



# Grant Progress Report

## SWCD Local Capacity Services 2018

**Grant Title:** 2018 - SWCD Local Capacity Services (Freeborn SWCD)

**Grant Award (\$):** \$114,400.00

**Grant Execution Date:** 10/31/2017

**Grant ID:** P18-2906

**Required Match (%):** 0

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

**Grantee:** Freeborn SWCD

**Required Match (\$):** \$0.00

**Fiscal Agent:**

**Grant Day-to-Day Contact:** Lindsey Cornell

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$114,400.00	\$114,400.00	\$0.00
Match Funds	\$14,400.00	\$14,400.00	\$0.00
Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$128,800.00</b>	<b>\$128,800.00</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.

<b>Proposed Measurable Outcomes</b>	The grant targets four resource concern areas - Soil Erosion, Riparian Zone Management, Water Storage and Treatment, and Excess Nutrients - and supports increased capacity by funding expenses in the following categories: Staffing, Cost Share/Incentives, Technology/Capital Equipment, and Operations.
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### Budget Details

Activity Name	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
Water Storage and Treatment - 2018 CREP	Technical/Engineering Assistance	Local Fund	County match	\$14,400.00	\$14,400.00	\$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>
Implementation							
Riparian Zone Management - 2018 Administration	Administration/Coordination	Current State Grant	2018 - SWCD Local Capacity Services (Freeborn SWCD)	\$8,000.00	\$8,000.00	\$0.00	N
Soil Erosion - 2018 Cost Share	Non-Structural Management Practices	Current State Grant	2018 - SWCD Local Capacity Services (Freeborn SWCD)	\$18,000.00	\$18,000.00	\$0.00	N
Soil Erosion - 2018 Cedar 1W1P	Planning and Assessment	Current State Grant	2018 - SWCD Local Capacity Services (Freeborn SWCD)	\$4,800.00	\$4,800.00	\$0.00	N
Excess Nutrients - 2018 SWCD Policy and Employee Handbook update	Special Projects	Current State Grant	2018 - SWCD Local Capacity Services (Freeborn SWCD)	\$0.00		\$0.00	N
Riparian Zone Management - 2018 Technology	Supplies/Equipment	Current State Grant	2018 - SWCD Local Capacity Services (Freeborn SWCD)	\$1,000.00	\$1,000.00	\$0.00	N
Riparian Zone Management - 2018 Technician	Technical/Engineering Assistance	Current State Grant	2018 - SWCD Local Capacity Services (Freeborn SWCD)	\$82,600.00	\$82,600.00	\$0.00	N

## Indicator Summary

Indicator Category	Proposed Indicator	Total Value	Unit
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Indicator Category	Final Indicator	Total Value	Unit
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	45.27	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	22.07	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	104.4	Tons/Yr

## Grant Activities

### Activity Name: Excess Nutrients - 2018 SWCD Policy and Employee Handbook update

**Activity Category:** Special Projects

**Staff time?:** No

**Description:** Hire a private consultant to update SWCD policy and Employee Handbook to reflect current policy and clarify ambiguous language. Also to confirm that all policies meet current State and Federal regulations. Total cost is unknown at this time. Freeborn County Comprehensive Water Plan Surface Waters Concerns -all Goals.

#### 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 - SWCD Local Capacity Services (Freeborn SWCD)	\$0.00		\$0.00		N

#### Actual Results

**Results** **Date Added**

As of 12/31/2019 no grant funds have been expended on this item. Our board still feels that this is important to get done. We have been in contact with another district that has a recently approved policy handbook that we may incorporate into ours. 3/23/2018 10:47:53 AM

## Activity Name: Riparian Zone Management - 2018 Administration

Activity Category: Administration/Coordination

Staff time?: No

### Description: Riparian Zone Management - 2018 Administration

Freeborn County Comprehensive Water Plan (Soil Erosion and Soil Quality Concerns - Goal #2 - control soil erosion)

Funds will be spent by SWCD staff to complete administration of the grant. Administration includes, but is not limited to, completing eLINK reporting, supervision of staff hired with this grant, and coordination of activities necessary to complete this grant. Activities include coordination of any purchasing, training of staff, and SWCD board updates.

### 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 - SWCD Local Capacity Services (Freeborn SWCD)	\$8,000.00	\$8,000.00	\$0.00	12/31/2018	N

### Actual Results

#### Results Date Added

2018 Activities were spent administering this grant, eLINK reporting and time tracking, supervision of staff, and SWCD Board updates. 10/3/2017 8:24:31 AM  
Manager/Tech. 42 hours @ \$69.22, and Office Manager 95 hours @ \$53.75 per BWSR billable rates.

## Activity Name: Riparian Zone Management - 2018 Technician

**Activity Category:** Technical/Engineering Assistance

**Staff time?:** No

**Description:** Riparian Zone Management - 2018 Technician

Freeborn County Comprehensive Water Plan Surface Waters Concerns - Goal #2 - manage watersheds to reduce bacteria, nutrients, chemicals, and sediments from entering surface waters; Goal #7 - protect and preserve existing shorelands.

Funds will be used to hire a qualified individual with appropriate technical abilities to work with landowners to implement conservation practices within Freeborn County. Estimate of around \$60,000 of capacity funds for the new staff person. Capacity funding allows for the hiring of this additional staff. New staff will complete some of the workload of existing staff, allowing existing staff to increase their capacity. Estimate this position will be 80% added capacity and 20% of re-delegation of duties from existing staff to allow them to increase capacity.

Technical assistance through existing staff. New district tech will absorb some of the duties of existing staff allowing existing staff with experience and expertise to effectively add capacity. Estimate of 20% of a FTE among existing staff for around \$20,000.

Use \$1000 for training of staff to increase their technical skills in order to provide better assistance to customers.

Use \$1600 in 2020 to pay for local match portion of CREP staff position. Estimated 25% FTE and total local cost of \$4200. Remainder to be paid by BWSR CREP outreach and implementation assistance grant.

**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 - SWCD Local Capacity Services (Freeborn SWCD)	\$82,600.00	\$82,600.00	\$0.00	12/31/2019	N

**Actual Results**

Results Date Added

2019 activities pretty much mirrored 2018 activities, although we had some hurdles with staff changes/shortages we were unable to pursue conservation planner status and a MDM grant with a grant deadline and unfavorable weather conditions made it a much challenging year: 2 10/3/2017 8:06:11 AM

**Results**

**Date Added**

Tech 93 hours @ \$44.77, 2 Tech 278 hours @ \$45.01, 3 Tech 8.5 hours @ \$44.62.

Worked on providing CRP planning assistance to several landowners- 19 conservation plans were completed, participated in Soil Health team - became a Team Lead, outreach committee, and taking minutes. Assisted customers with buffer law and erosion concerns. Attended BWSR academy and pursuing ecological and engineering JAA. Pursuing Certified Conservation Planner. Also attends Blue Earth Civic Engagement meetings, LeSueur Civic Engagement meetings, Shell Rock River & Cedar River Advisory meetings. Assists the WCPI conservation planner out of Martin County, Assists new NRCS staff with programs and training. (CRP planning and surveying basins and waterways).

2018 activities: 2 Tech 536 hours @ \$40.38, 3 Tech 417.5 hours @ \$33.24, Manager/Tech. 32.5 hours @ \$69.22, Manager 9 hours @ \$53.75.

Worked on providing CRP planning assistance to several landowners and participated in Soil Health team as members, outreach committee, and taking minutes. Assisted customers with buffer law and erosion concerns. Provided assistance several landowners interested in applying for CREP (which resulted in 5 contracts @ 335 acres). Attended BWSR academy and pursuing ecological and engineering JAA. Pursuing Certified Conservation Planner. Also attends Blue Earth Civic Engagement meetings, Shell Rock River & Cedar River Advisory meetings. Assists new NRCS staff with programs and training. (CRP planning and surveying basins and waterways).

**Activity Name: Riparian Zone Management - 2018 Technology**

**Activity Category:** Supplies/Equipment

**Staff time?:** No

**Description:** Purchase a tablet for field use. Freeborn County Comprehensive Water Plan Surface Waters Concerns - Goal #7 - Protect and preserve existing shorelands. Final cost to be determined by product purchased. For use in the field to fill out forms and document site inspections.

**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 - SWCD Local Capacity Services (Freeborn SWCD)	\$1,000.00	\$1,000.00	\$0.00	12/31/2019	N

#### Actual Results

<u>Results</u>	<u>Date Added</u>
Two iPads were purchased. One to help keep shared documents available at 1W1P meetings for following along and taking notes. The other our intention is using out in the field to have documents available to landowners, buffer inventories, anything else where an internet connection would be helpful, etc.	3/23/2018 10:38:45 AM

### Activity Name: Soil Erosion - 2018 Cedar 1W1P

**Activity Category:** Planning and Assessment

**Staff time?:** No

**Description:** Soil Erosion - 2018 Cedar 1W1P

Freeborn County Comprehensive Water Plan (all concerns and goals)

Staff time to prepare for and represent Freeborn SWCD at Cedar 1W1P Policy, Advisory, and Planning Work Group, and public meetings. Expenses are for efforts that are above and beyond normal water planning activities.

#### 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 - SWCD Local Capacity Services (Freeborn SWCD)	\$4,800.00	\$4,800.00	\$0.00	08/14/2020	N

#### Actual Results

<u>Results</u>	<u>Date Added</u>
2018 preparing for and attending Cedar 1W1P meetings and reporting back to SWCD board. Manager/Tech 4 hours @ \$69.22, Office Manager 32.5 hours @53.75.	10/3/2017 8:20:48 AM

## Activity Name: Soil Erosion - 2018 Cost Share

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

**Staff time?:** No

**Description:** To promote soil health practices by providing cost share for cover crops and reduced tillage (no-till and strip till). Prioritization, payment rates, and policy would be based on existing 2017 Freeborn SWCD NLMP. Provide cost share to establish buffers with a flat rate of \$300/acre. Plantings shall consist of native grass with wildflowers being optional. Reimburse SWCD for allowing free use of drill to implement buffers on public waters for the MN buffer law.

### 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 - SWCD Local Capacity Services (Freeborn SWCD)	\$18,000.00	\$18,000.00	\$0.00	12/10/2020	N

### Actual Results

**Results** **Date Added**

2 cover crop contracts were started in 2020 and will go through 2022 implementing cover crops over a combined 120 acres each year. In 2020 on both contracts, cover crop that was planted into standing corn consisted of winter cereal rye, radishes, and turnups. Then for cover crop that was planted into standing soybeans consisted of oats, rapeseed, and winter triticale. 10/20/2017 3:58:00 PM

### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	22.07	Tons/Yr
Soil (Est. Savings)	104.4	Tons/Yr
Phosphorus (Est. Reduction)	45.27	Lbs/Yr

Activity Action Name:	Sorensen, Lynn James FY18-CAP-CC-02	Activity Count: 3
Practice Type:	340 - Cover Crop	Size/Units: 60 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	A cover crop was planted in 2020 in conjunction with strip till. There will be another cover crop planted in 2021 and 2022.	Install Date: 09/13/2020
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	25.73	Bwsr Calc (Sheet And Rill)	Tributary to the LeSueur River.
Sediment (Tss)	Tons/Yr	13.84	Bwsr Calc (Sheet And Rill)	Tributary to the LeSueur River.
Soil (Est. Savings)	Tons/Yr	78	Bwsr Calc (Sheet And Rill)	Tributary to the LeSueur River.

Activity Action Name:	Sorensen, Jacob FY18-CAP-CC-01	Activity Count: 3
Practice Type:	340 - Cover Crop	Size/Units: 60 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	A cover crop was planted in 2020 in conjunction with strip till. There will be another cover crop planted in 2021 and 2022.	Install Date: 09/13/2020
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	8.23	Bwsr Calc (Sheet And Rill)	Tributary to the LeSueur River.
Phosphorus (Est. Reduction)	Lbs/Yr	19.54	Bwsr Calc (Sheet And Rill)	Tributary to the LeSueur River.
Soil (Est. Savings)	Tons/Yr	26.4	Bwsr Calc (Sheet And Rill)	Tributary to the LeSueur River.

## Activity Name: Soil Erosion - 2018 Technical Assistance

**Activity Category:** Technical/Engineering Assistance

**Staff time?:** No

**Description:** Soil Erosion - 2017 Technical Assistance

Freeborn County Comprehensive Water Plan Soil Erosion and Soil Quality Concerns - Goal #1 - Protect and preserve topsoil; Goal #2 - Control soil erosion.

Technical assistance through existing staff. New district tech will absorb some of the duties of existing staff allowing existing staff with experience and expertise to effectively add capacity. Estimate of 20% of a FTE among existing staff.

### Actual Results

Results Date Added

10/3/2017 8:15:43 AM

## Activity Name: Water Storage and Treatment - 2018 CREP Implementation

**Activity Category:** Technical/Engineering Assistance

**Staff time?:** No

**Description:** Accelerate staff capacity to deliver the MN CREP by hiring a consultant or an additional staff. Freeborn County Comprehensive Water Plan Drainage Concerns - Goal #2 - Preserve existing and create wetlands and Soil Erosion and Soil Quality Concerns Goal #1 - Protect and preserve topsoil. Majority of funds to come from BWSR CREP outreach and implementation assistance grant. Remainder to come from Capacity funds. Anticipate 25% FTE and \$4200 of expenses for 2018, 50% FTE and \$8400 of expenses for 2019, and 25% FTE and \$1800 of expenses for 2020.

### 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	\$14,400.00	\$14,400.00	\$0.00	09/30/2020	Y

### Actual Results

Results Date Added

This is a county match used for staffing a half time position to administer the CREP program along with general SWCD technical duties. He has shown continuous support in all aspects of CREP everything from outreach to a completed closed restored easement. Freeborn currently

3/23/2018 10:24:32 AM

**Results**

**Date Added**

has 23 accepted CREP easements in different stages of restoration/easement closing. Full restoration was completed on 5 RIM/CREP easements of approximately 415 ac. (construction completed/vegetation established). 5 RIM/CREP easements of approximately 615 ac. were closed ahead of the next spring deadline. Submitted CREP applications (2 have been accepted for funding as of now). Construction was completed on 8 RIM/CREP easements (All CREP easements with final plans received prior to end of field season were completed). 61 hrs. @50.92 =3106.12 in 2019, 235 hrs. @48.50 in 2020.