



## Grant All-Detail Report SWCD Local Capacity Services 2017

**Grant Title** - 2017 - SWCD Local Capacity Services (Freeborn SWCD)

**Grant ID** - P17-5259

**Organization** - Freeborn SWCD

Original Awarded Amount	<b>\$118,000.00</b>	Grant Execution Date	<b>3/14/2017</b>
Required Match Amount	\$0.00	Original Grant End Date	12/31/2019
Required Match %	0%	Grant Day To Day Contact	Brenda Lageson
Current Awarded Amount	\$118,000.00	Current End Date	12/31/2019

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$118,000.00	\$118,000.00	\$0.00
Total Match Amount	\$18,000.00	\$18,000.00	\$0.00
Total Other Funds	\$9,410.78	\$9,410.78	\$0.00
<b>Total</b>	<b>\$145,410.78</b>	<b>\$145,410.78</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	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Excess Nutrients - 2017 soil health promotion	Education/Information	Current State Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)	\$5,000.00	\$5,000.00	12/30/2018	N
Riparian Zone Management - 2017 Administration	Education/Information	Current State Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)	\$3,500.00	\$3,500.00	5/31/2019	N
Riparian Zone Management - 2017 Administration	Education/Information	Current State Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)	\$6,000.00	\$6,000.00	12/31/2017	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Riparian Zone Management - 2017 Technician	Technical/Engineering Assistance	Current State Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)	\$53,000.00	\$53,000.00	12/30/2018	N
Riparian Zone Management - 2017 technology	Supplies/Equipment	Local Fund	County funds	\$12,807.32	\$12,807.32	11/8/2018	Y
Soil Erosion - 2017 Cedar 1W1P	Planning and Assessment	Current State Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)	\$1,300.00	\$1,300.00	12/31/2017	N
Soil Erosion - 2017 Flexible Choice Cover Crops	Agricultural Practices	Local Fund	County Funds	\$5,192.68	\$5,192.68	12/12/2019	Y
Soil Erosion - 2017 Flexible Choice Cover Crops	Agricultural Practices	Other Funds	2017 - State Cost-Share Fund (Freeborn SWCD)	\$4,810.38	\$4,810.38	11/8/2019	N
Soil Erosion - 2017 buffer cost share	Agricultural Practices	Current State Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)	\$0.00			N
Soil Erosion - 2017 public relations	Education/Information	Current State Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)	\$2,500.00	\$2,500.00	12/12/2019	N
Soil Erosion - 2017 soil health cost share	Agricultural Practices	Current State Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)	\$24,700.00	\$24,700.00	12/12/2019	N
Soil Erosion - 2017 soil health cost share	Agricultural Practices	Other Funds	2017 - State Cost-Share Fund (Freeborn SWCD)	\$4,600.40	\$4,600.40	10/10/2019	N
Soil Erosion - 2017 technical assistance	Technical/Engineering Assistance	Current State Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)	\$20,000.00	\$20,000.00	12/31/2018	N
Water Storage and Treatment - 2017 training	Education/Information	Current State Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)	\$2,000.00	\$2,000.00	12/31/2017	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
340 - Cover Crop	16	16	1 COUNT	1 COUNT
340 - Cover Crop	1	5	180 AC	180 AC

## Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
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## Final Indicators Summary

Indicator Name	Total Value	Unit
SOIL (EST. SAVINGS)	98.02	TONS/YR
SEDIMENT (TSS)	80.08	TONS/YR
PREVENTION	3.00	COUNT
PHOSPHORUS (EST. REDUCTION)	148.66	LBS/YR

## Grant Activity

Grant Activity - Excess Nutrients - 2017 soil health promotion			
Description	Excess Nutrients - 2017 soil health promotion Freeborn County Comprehensive Water Plan (Goal 7 - protect and preserve topsoil) To promote soil health practices, local soil health team events, and local data collection.		
Category	EDUCATION/INFORMATION		
Start Date	14-Mar-17	End Date	31-Dec-18
Has Rates and Hours?	Yes		
Actual Results	<p>Funds spent on staff time. Promotion of soil health through participation in and support of the Freeborn Area Soil Health Team. Participated in and prepared for 10 soil health team meetings. Helped host a winter workshop, two inter-seeding demonstrations, and a cover crop plot. Had approximately 200 total participants in the events above. Provided an opportunity for peer to peer learning to advance our collective knowledge and experience. Continuance of activities of 2017. Soil Health Workshop, Fall Field Day and monthly soil health team meetings. Flyers and newsletter for several events area wide.</p> <p>2018 continuation of Soil Health team meetings, shop talks, workshop, fliers and newsletter. 10 hours @ \$40.38.</p>		

**Grant Activity - Riparian Zone Management - 2017 Administration**

<b>Description</b>	Riparian Zone Management - 2017 Administration Freeborn County Comprehensive Water Plan (Goal 8 - control soil erosion) Funds will be spent by SWCD staff for training new Manager. Developing management skills to supervise staff and the general management duties to carry our the SWCD mission.		
<b>Category</b>	EDUCATION/INFORMATION		
<b>Start Date</b>	1-Jan-19	<b>End Date</b>	31-Dec-19
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	Funds re-allocated from the public relations activity. Funds were used to administer staff and this grant. BWSR billable rate of \$56.81 x 62.5 hours = \$3500.00		

**Grant Activity - Riparian Zone Management - 2017 Technician**

<p><b>Description</b></p>	<p>Riparian Zone Management - 2017 Technician                  Freeborn County Comprehensive Water Plan(Goal 7 - protect and preserve topsoil, Goal 8 - control soil erosion, Goal 15 - protect surface waters from storm water drainage e of sediment, nutrients, and chemicals, Goal 16 - Manage watersheds to reduce bacteria, nutrients, chemicals, and sediment from entering surface waters, Goal 17 - manage watershed s to control surface water runoff, Goal 20 - protect shoreland areas).                  Funds will be used to hire a qualified individual with appropriate technical abilities to work with landowners to implement conservation practices within Freeborn County. 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.</p>		
<p><b>Category</b></p>	<p>TECHNICAL/ENGINEERING ASSISTANCE</p>		
<p><b>Start Date</b></p>	<p>14-Mar-17</p>	<p><b>End Date</b></p>	<p>30-Dec-18</p>
<p><b>Has Rates and Hours?</b></p>	<p>Yes</p>		
<p><b>Actual Results</b></p>	<p>Worked on providing CRP planning assistance to several landowners and participated in Soil Health team as member, outreach committee, and taking minutes. Assisted customers with buffer law and erosion concerns. Provided assistance to 3 landowners interested in applying for CREP. Attended BWSR academy and pursued entry level ecological JAA. 2017 hours - 1,144.5 @ \$31.19 = \$36,521 using BWSR billable rate calculator.                   Continuation of activities in 2018. Received JAA in ecological sciences. Pursuing Certified Conservation Planner and entry level JAA in engineering. Also attends Blue Earth Civic Engagement meetings, Shell Rock River &amp; Cedar River Advisory meetings. 2018 hours - 408.5 @ \$40.38 = \$16,478.89</p>		

**Grant Activity - Riparian Zone Management - 2017 technology**

<b>Description</b>	Riparian Zone Management - 2017 technology Freeborn County Comprehensive Water Plan (Goal 7 protect and preserve topsoil, Goal 15 protect surface waters from storm water drainage of sediment, nutrients, and chemicals.) Funds will be used to purchase technology upgrades to increase the quality and efficiency of service to our customers. Technology upgrades such as total station or GPS grade surveying equipment. Use \$12,337.00 of 2016 capacity funds.		
<b>Category</b>	SUPPLIES/EQUIPMENT		
<b>Start Date</b>	14-Mar-17	<b>End Date</b>	31-Dec-19
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	No funds spent in 2017. Working with partners and peers to determine the best survey equipment to purchase.  2018 funds were spent on the balance of a survey grade GPS with tablet \$9,579.65. Two laptop computers were also purchased for \$3,227.67.		

**Grant Activity - Soil Erosion - 2017 Cedar 1W1P**

<b>Description</b>	Soil Erosion - 2017 Cedar 1W1P Freeborn County Comprehensive Water Plan (all goals) Staff time to represent Freeborn SWCD at Cedar 1W1P Policy meetings, Planning Work Group, Advisory Committee, and public meetings. This is up and above our normal water planning efforts.		
<b>Category</b>	PLANNING AND ASSESSMENT		
<b>Start Date</b>	14-Mar-17	<b>End Date</b>	31-Dec-19
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	Funds used for staff time to attend planning work group, policy board, and advisory committee meetings, review information, and provide comments. Mgr. 27.5 hours @ \$64.25 = \$1,766.88 as per BWSR billable rate calculator.		

**Grant Activity - Soil Erosion - 2017 Flexible Choice Cover Crops**

<b>Description</b>	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.		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	14-Mar-17	<b>End Date</b>	31-Dec-19
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>Created policy for new program and began to advertise.</p> <p>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.</p> <p>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.</p>		

Activity Action - Besier FY17-CAP-CC-07			
<b>Practice</b>	340 - Cover Crop	<b>Count of Activities</b>	1
<b>Description</b>	Cover crops		
<b>Proposed Size / Units</b>	180.00 AC	<b>Lifespan</b>	3 Years
<b>Actual Size/Units</b>	180.00 AC	<b>Installed Date</b>	8-Nov-19
<b>Mapped Activities</b>	5 Polygon(s)		

Final Indicator for Besier FY17-CAP-CC-07			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	59.40
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	County Ditch 23		

Final Indicator for Besier FY17-CAP-CC-07			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	91.98
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	County Ditch 23		

Final Indicator for Besier FY17-CAP-CC-07			
Indicator Name	SEDIMENT (TSS)	Value	49.52
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	County Ditch 23		

Grant Activity - Soil Erosion - 2017 buffer cost share			
Description	<p>Soil Erosion - 2017 buffer cost share            Freeborn County Comprehensive Water Plan            (Goal 16 - Manage watersheds to reduce bacteria, nutrients, chemicals, and sediment from entering surface waters, Goal 17 - manage watersheds to control surface water runoff, Goal 20 - protect shoreland areas).</p> <p>Provide cost share to establish buffers with a flat rate of \$200/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.</p>		
Category	AGRICULTURAL PRACTICES		
Start Date	14-Mar-17	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	Amended work plan to shift all funds (\$10,000) to cover crop cost share due to landowner demand. Buffer cost share became available to fill this niche after the 2017 capacity workplan was created.		



**Grant Activity - Soil Erosion - 2017 public relations**

<p><b>Description</b></p>	<p>Soil Erosion - 2017 public relations                  Freeborn County Comprehensive Water Plan (Goal 15 - protect surface waters from storm water drainage of sediment, nutrients, and chemicals)                  Install "Entering/exiting Freeborn County Soil and Water Conservation District" signs on major county or state highways in Freeborn County. Number of signs to be determined by cost. Final locations to be determined by SWCD and road authorities. Upgrade digital camera to be able to take better photos for public relations such as annual plan, website, newsletter, and fairbooth. Estimate of \$500 for camera depending on brand, style, and accessories.</p>		
<p><b>Category</b></p>	<p>EDUCATION/INFORMATION</p>		
<p><b>Start Date</b></p>	<p>14-Mar-17</p>	<p><b>End Date</b></p>	<p>31-Dec-19</p>
<p><b>Has Rates and Hours?</b></p>	<p>No</p>		
<p><b>Actual Results</b></p>	<p>2019 promo items were purchased which will be handed out at the Soil Health I90 Tour, Fairbooth, and available at our counter for the public to use. Pens, hand sanitizers and notepads. \$837.96. Cover crop signs for producers were purchased \$994.14 with balance being paid by county match of \$305.86.</p> <p>2018 a large fairbooth display with accessories was purchased to update an old wooden one that was difficult to change up with new programs that are being offered. This one works so much better and we had many people stop by with great compliments. We also purchased magnetic name tags for supervisors and staff to be worn at events and meetings for public awareness. Total cost was \$668.50.</p> <p>\$3,500 of these funds were re-allocated for staff training and meetings for new manager.</p> <p>no activity in 2017</p>		

**Grant Activity - Soil Erosion - 2017 soil health cost share**

<b>Description</b>	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.		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	15-Aug-17	<b>End Date</b>	31-Dec-19
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>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.</p> <p>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.</p> <p>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.</p>		

Activity Action - Bangert FY17-CAP-CC-01			
<b>Practice</b>	340 - Cover Crop	<b>Count of Activities</b>	3
<b>Description</b>	3rd year of 3 years		
<b>Proposed Size / Units</b>	1.00 COUNT	<b>Lifespan</b>	3 Years
<b>Actual Size/Units</b>	1.00 COUNT	<b>Installed Date</b>	15-Sep-19
<b>Mapped Activities</b>	3 Polygon(s)		

Final Indicator for Bangert FY17-CAP-CC-01			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	0.40
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Upper Twin Lake		

Final Indicator for Bangert FY17-CAP-CC-01			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	0.17
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)

<b>Waterbody</b>	Upper Twin Lake		
<b>Final Indicator for Bangert FY17-CAP-CC-01</b>			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	0.07
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Upper Twin Lake		
<b>Final Indicator for Bangert FY17-CAP-CC-01</b>			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	.17
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Upper Twin Lake		
<b>Final Indicator for Bangert FY17-CAP-CC-01</b>			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	.40
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Upper Twin Lake		
<b>Final Indicator for Bangert FY17-CAP-CC-01</b>			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	.07
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Upper Twin Lake		
<b>Final Indicator for Bangert FY17-CAP-CC-01</b>			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	.07
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Upper Twin Lake		
<b>Final Indicator for Bangert FY17-CAP-CC-01</b>			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	.40
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Upper Twin Lake		
<b>Final Indicator for Bangert FY17-CAP-CC-01</b>			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	.17
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (SHEET AND RILL)
<b>Waterbody</b>	Upper Twin Lake		

Activity Action - Ness FY17-CAP-CC-02			
Practice	340 - Cover Crop	Count of Activities	3
Description	3rd year of 3 years		
Proposed Size / Units	1.00 COUNT	Lifespan	3 Years
Actual Size/Units	1.00 COUNT	Installed Date	15-Sep-19
Mapped Activities	3 Polygon(s)		

Final Indicator for Ness FY17-CAP-CC-02

Indicator Name	SOIL (EST. SAVINGS)	Value	3.13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Shell Rock River		

Final Indicator for Ness FY17-CAP-CC-02

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	5.3
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Shell Rock River		

Final Indicator for Ness FY17-CAP-CC-02

Indicator Name	SEDIMENT (TSS)	Value	2.48
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Shell Rock River		

Final Indicator for Ness FY17-CAP-CC-02

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	5.30
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Shell Rock River		

Final Indicator for Ness FY17-CAP-CC-02

Indicator Name	SOIL (EST. SAVINGS)	Value	3.13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Shell Rock River		

Final Indicator for Ness FY17-CAP-CC-02

Indicator Name	SEDIMENT (TSS)	Value	2.48
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Shell Rock River		

Final Indicator for Ness FY17-CAP-CC-02

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	5.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Shell Rock River		

Final Indicator for Ness FY17-CAP-CC-02			
Indicator Name	SOIL (EST. SAVINGS)	Value	2.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Shell Rock River		
Final Indicator for Ness FY17-CAP-CC-02			
Indicator Name	SEDIMENT (TSS)	Value	2.30
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Shell Rock River		

Activity Action - Stadheim FY17-CAP-CC-03			
Practice	340 - Cover Crop	Count of Activities	3
Description	3rd year of 3 years		
Proposed Size / Units	1.00 COUNT	Lifespan	3 Years
Actual Size/Units	1.00 COUNT	Installed Date	19-Sep-19
Mapped Activities	3 Polygon(s)		

Final Indicator for Stadheim FY17-CAP-CC-03			
Indicator Name	SOIL (EST. SAVINGS)	Value	3.58
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Fountain Lake		

Final Indicator for Stadheim FY17-CAP-CC-03			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	5.82
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Fountain Lake		

Final Indicator for Stadheim FY17-CAP-CC-03			
Indicator Name	SEDIMENT (TSS)	Value	3.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Fountain Lake		

Final Indicator for Stadheim FY17-CAP-CC-03			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	5.65
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Fountain Lake		

Final Indicator for Stadheim FY17-CAP-CC-03			
Indicator Name	SOIL (EST. SAVINGS)	Value	4.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Fountain Lake		

Final Indicator for Stadheim FY17-CAP-CC-03			
Indicator Name	SEDIMENT (TSS)	Value	4.46
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Fountain Lake		
Final Indicator for Stadheim FY17-CAP-CC-03			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	5.82
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Fountain Lake		
Final Indicator for Stadheim FY17-CAP-CC-03			
Indicator Name	SEDIMENT (TSS)	Value	3.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Fountain Lake		
Final Indicator for Stadheim FY17-CAP-CC-03			
Indicator Name	SOIL (EST. SAVINGS)	Value	3.58
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Fountain Lake		

Activity Action - WangenZ FY17-CAP-CC-04			
Practice	340 - Cover Crop	Count of Activities	3
Description	Year 2 of 3 years		
Proposed Size / Units	1.00 COUNT	Lifespan	3 Years
Actual Size/Units	1.00 COUNT	Installed Date	19-Sep-19
Mapped Activities	3 Polygon(s)		

Final Indicator for WangenZ FY17-CAP-CC-04			
Indicator Name	SEDIMENT (TSS)	Value	4.21
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Geveva Lake		
Final Indicator for WangenZ FY17-CAP-CC-04			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	8.11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Geneva Lake		
Final Indicator for WangenZ FY17-CAP-CC-04			
Indicator Name	SOIL (EST. SAVINGS)	Value	5.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Geneva Lake		

Final Indicator for WangenZ FY17-CAP-CC-04			
Indicator Name	SEDIMENT (TSS)	Value	4.21
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Geneva Lake		
Final Indicator for WangenZ FY17-CAP-CC-04			
Indicator Name	SOIL (EST. SAVINGS)	Value	5.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Geneva Lake		
Final Indicator for WangenZ FY17-CAP-CC-04			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	8.11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Geneva Lake		
Final Indicator for WangenZ FY17-CAP-CC-04			
Indicator Name	SEDIMENT (TSS)	Value	3.71
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Geneva Lake		
Final Indicator for WangenZ FY17-CAP-CC-04			
Indicator Name	SOIL (EST. SAVINGS)	Value	8.0
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Geneva Lake		
Final Indicator for WangenZ FY17-CAP-CC-04			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7.06
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Tributary to Geneva Lake		

Activity Action - Redman FY17-CAP-CC-05			
Practice	340 - Cover Crop	Count of Activities	4
Description	3rd year of 3 years		
Proposed Size / Units	1.00 COUNT	Lifespan	3 Years
Actual Size/Units	1.00 COUNT	Installed Date	14-Sep-19
Mapped Activities	4 Polygon(s)		

Final Indicator for Redman FY17-CAP-CC-05			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Stream in the LeSueur Watershed		

Final Indicator for Redman FY17-CAP-CC-05			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Stream in the LeSueur Watershed		
Final Indicator for Redman FY17-CAP-CC-05			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Stream in the LeSueur Watershed		

Grant Activity - Soil Erosion - 2017 technical assistance			
Description	<p>Soil Erosion - 2017 technical assistance</p> <p>Freeborn County Comprehensive Water Plan(Goal 7 - protect and preserve topsoil, Goal 8 - control soil erosion, Goal 15 - protect surface waters from storm water drainage e of sediment, nutrients, and chemicals, Goal 16 - Manage watersheds to reduce bacteria, nutrients, chemicals, and sediment from entering surface waters, Goal 17 - manage watershed s to control surface water runoff, Goal 20 - protect shoreland areas).</p> <p>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.</p>		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	14-Mar-17	End Date	31-Dec-18
Has Rates and Hours?	Yes		
Actual Results	<p>Drill program assisted local landowners in getting their cover crops, CRP plantings, buffer plantings, and pasture plantings completed effectively. Drill program assisted approximately 10 producers on 180 acres. Staff assisted 8 landowners in applying for and being accepted into CREP. Assisted another 10 in running eligibility and payment estimates for CREP. Spent hours being thankful for having one of the best board conservationists in the region, if not the state. Participated in 1W1P meetings and other planning efforts. Assisted in water plan amendment. Helped producers enroll and re-enroll in CRP. Assisted landowners with erosion or water quality issues in getting technical and financial assistance.</p> <p>2018 continued technical assistance with drill program, CRP assistance and planning, also worked with landowners resulting in 5 CREP applications being accepted for a total of 335 acres. Manager/Tech 28 hours @ \$69.99 and 3 Tech 107 hours @ \$33.24.</p>		



## Grant Activity - Water Storage and Treatment - 2017 training

<b>Description</b>	Water Storage and Treatment - 2017 training Freeborn County Comprehensive Water Plan (Goal 15 - protect surface waters from storm water drainage of sediment, nutrients, and chemicals, Goal 16 - Manage watersheds to reduce bacteria, nutrients, chemicals, and sediment from entering surface waters) To be spent on staff time, registration fees, and associated costs (lodging, ect) of training for staff to increase their knowledge and abilities.		
<b>Category</b>	EDUCATION/INFORMATION		
<b>Start Date</b>	14-Mar-17	<b>End Date</b>	31-Dec-17
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	Staff attended pertinent trainings including area employee meetings, BWSR Academy, conservation planning, and MASWCD Convention. Staff learned valuable skills to help provide effective assistance to landowners with up to date information.		

## Grant Attachments

Document Name	Document Type	Description
<b>2017 Expenditures</b>	Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)
<b>2017 SWCD Local Capacity Services</b>	Grant Agreement	2017 SWCD Local Capacity Services - Freeborn SWCD
<b>2017 SWCD Local Capacity Services executed</b>	Grant Agreement	2017 SWCD Local Capacity Services - Freeborn SWCD
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/04/2020
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/04/2020
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/29/2020
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 12/30/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/01/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/31/2019
<b>All Details Report</b>	Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/15/2018
<b>Computers</b>	Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)
<b>Equipment purchase</b>	Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)
<b>Final financial report for 17 CAP</b>	Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)
<b>Financial Report</b>	Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)

Document Name	Document Type	Description
<b>P17-5259 Reconciliation B Checklist</b>	Journal	Journal Dated - 07/01/2019
<b>Promotional items purchased</b>	Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)
<b>Public Relations</b>	Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)
<b>Redman cover crop indicator</b>	Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 08/10/2017
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/05/2017
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/25/2018
<b>Work plan and project email</b>	Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)