



## Grant All-Detail Report SWCD Local Capacity Services 2016

**Grant Title** - 2016 - SWCD Local Capacity Services (Waseca SWCD)

**Grant ID** - P16-6073

**Organization** - Waseca SWCD

Original Awarded Amount	<b>\$120,337.00</b>	Grant Execution Date	<b>4/14/2016</b>
Required Match Amount	\$0.00	Original Grant End Date	12/31/2018
Required Match %	0%	Grant Day To Day Contact	Mark Schaetzke
Current Awarded Amount	\$120,337.00	Current End Date	12/31/2018

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$120,337.00	\$120,337.00	\$0.00
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$10,500.00	\$10,500.00	\$0.00
<b>Total</b>	<b>\$130,837.00</b>	<b>\$130,837.00</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.

### Budget Details

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Education, Outreach, and Marketing Staff time	Education/Information	Current State Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)	\$6,920.61	\$6,920.61	9/30/2018	N
Education, Outreach, and Marketing Supplies	Education/Information	Current State Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)	\$3,613.24	\$3,613.24	12/13/2018	N
Office Assistant	Agricultural Practices	Current State Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)	\$7,765.77	\$7,765.77	1/9/2017	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Soil Erosion - Computer	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)	\$1,919.26	\$1,919.26	12/15/2016	N
Soil Erosion - Conservation Farmer Signs	Education/Information	Current State Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)	\$343.60	\$343.60	10/24/2017	N
Soil Erosion - Cover Crop Cost Share	Agricultural Practices	Current State Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)	\$56,414.00	\$56,414.00	12/17/2018	N
Soil Erosion - Cover Crop Cost Share T/A	Technical/Engineering Assistance	Current State Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)	\$3,569.15	\$3,569.15	12/31/2018	N
Soil Erosion - Ranger	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)	\$6,659.00	\$6,659.00	9/15/2016	N
Soil Erosion - Ranger	Supplies/Equipment	Other Funds	2016 - Buffer Law (Waseca SWCD)	\$1,500.00	\$1,500.00	9/15/2016	N
Soil Erosion - Ranger	Supplies/Equipment	Other Funds	2016 - Easement Delivery (Waseca SWCD)	\$500.00	\$500.00	9/15/2016	N
Soil Erosion - Soil Health Outreach	Education/Information	Current State Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)	\$2,000.00	\$2,000.00	9/30/2018	N
Soil Erosion - Trailer	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)	\$3,325.88	\$3,325.88	9/23/2016	N
Soil Erosion - Trailer	Supplies/Equipment	Other Funds	2016 - Buffer Law (Waseca SWCD)	\$500.00	\$500.00	9/23/2016	N
Soil Erosion - Trailer	Supplies/Equipment	Other Funds	2016 - Easement Delivery (Waseca SWCD)	\$500.00	\$500.00	9/23/2016	N
Water Storage and Treatment - VRS Survey Equipment	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)	\$25,830.09	\$25,830.09	7/21/2016	N
Water Storage and Treatment - VRS Survey Equipment	Supplies/Equipment	Other Funds	2016 - Buffer Law (Waseca SWCD)	\$7,500.00	\$7,500.00	7/21/2016	N
Water Storage and Treatment - Staff Training	Administration/Coordination	Current State Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)	\$1,976.40	\$1,976.40	6/24/2018	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
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Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
340 - Cover Crop	3	3	100 AC	AC
340 - Cover Crop	1	1	34 AC	AC
340 - Cover Crop	2	2	30 AC	AC
340 - Cover Crop	2	2	60 AC	AC
340 - Cover Crop	1	1	50 AC	AC
340 - Cover Crop	1	1	43 AC	AC
340 - Cover Crop	1	2	48 AC	AC
340 - Cover Crop	2	2	104 AC	AC
340 - Cover Crop	1	1	40 AC	AC
340 - Cover Crop	1	1	61.8 AC	AC
340 - Cover Crop	1	1	53.42 AC	AC
340 - Cover Crop	3	3	120 AC	AC
340 - Cover Crop	3	3	88 AC	AC
340 - Cover Crop	2	2	42 AC	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
<b>SOIL (EST. SAVINGS)</b>	2,035.83	TONS/YR
<b>SEDIMENT (TSS)</b>	983.24	TONS/YR
<b>PHOSPHORUS (EST. REDUCTION)</b>	1,449.34	LBS/YR

## Grant Activity

Grant Activity - Education, Outreach, and Marketing Staff time			
Description	For staff time for education such as county fair booth, New Richland Farm and City Days, outreach to schools, and prep and demonstration of rainfall simulator. Also for sub-watershed meetings focused on Iosco Creek and Bull Run Creek. Expenses may also include facility or equipment rental fees.		
Category	EDUCATION/INFORMATION		
Start Date	5-Jun-18	End Date	31-Dec-18
Has Rates and Hours?	Yes		
Actual Results	<p>2018</p> <p>3rd qtr</p> <p>Cheri Brummund 46.5 hrs @ \$27.84/hr=\$1294.56 delivering water conservation coloring books to Kindergartens and 1st graders in Waseca County Schools, setting up and distributing materials to landowners and conservation minded persons at Waseca County Fair, Farmamerica and SROC events.</p> <p>Mark Schaetzke 85 hours @ \$48.97/hr=\$4162.45 doing rain simulator demonstrations at New Richland Farm City Days, and Waseca County Fair. Outreach at Fair and Farmamerica events and New Richland Farm &amp; City Days.</p> <p>Tyler Polster 28 hrs @ \$32.95/hr=\$939.08 Outreach at Waseca County Fair and SROC Events.</p> <p>2nd Qtr</p> <p>Cheri Brummund 5 hours @ \$27.40/hr=\$137.00 searching and ordering supplies for landowner outreach activities and education supplies.</p> <p>Mark- 8 hours @ \$48.44/hr=\$387.52 outreach/education activities.</p>		

**Grant Activity - Education, Outreach, and Marketing Supplies**

<p><b>Description</b></p>	<p>\$1000 for purchase of pens, paper pads, and other marketing items to be distributed at county fair, office, and other meetings and events. Includes booth/rental fees for county fair and other events.                  \$600 to purchase conservation themed coloring books for all the kindergarten and 1st grade students in the county.                  \$400 for new folders and other supplies to update our landowner files. Our files include old tile maps and BMP design information that have not been updated to new owners names. Supplies would make it feasible to update the records to make it easier for landowners and staff to find the information.                  \$700 for truck and trailer lettering for name, website, logo, slogan, and/or basic artwork. This will provide an outreach opportunity to let landowners know who we are when we are doing site visits. Our office lacks a visible sign from the nearby heavily traveled Hwy 13. The trailer with large lettering will provide a good marketing opportunity for people to see our name.</p>		
<p><b>Category</b></p>	<p>EDUCATION/INFORMATION</p>		
<p><b>Start Date</b></p>	<p>5-Jun-18</p>	<p><b>End Date</b></p>	
<p><b>Has Rates and Hours?</b></p>	<p>No</p>		
<p><b>Actual Results</b></p>	<p>2018                  \$804.00 Four Seasons for shirts for board and employees and jackets for employees to be worn at outreach events and meetings. 11/13/18 see attachments for invoice                  \$950.00 Wet Signs &amp; Murals for signage on truck, trailer, building and door. Job#6051 ck#11081 pd 11/9/18 (see attachments for pictures of signage)                  \$385.23 August 20 2018-invoice for filing supplies and outreach Inv#IN2164723 to Innovative Office Solutions pd ck#11056                  \$75-July 11- Outdoor Booth Rental for Rain Simulator Demonstrations at the Waseca County Fair. The demonstrations were given daily to help educate and inform landowners and others on different types of soils and covers and how it effects rain water flows.                  \$416.81-July 17 Supplies for Landowner Meetings and Activities (Notepads)                  \$11.84-July 5 Supplies for Display and presentations                  \$277.47-June 2018-Supplies for Landowner Outreach Meetings &amp; Activities-invoice included in attachments. (Pens)                  \$692.89-June 2018-Education Materials for K-1 graders for fall of 2018 (Coloring /Activity Books on Conservation)</p>		

**Grant Activity - Office Assistant**

<p><b>Description</b></p>	<p>Office Assistant            GOAL 2:            MAINTAIN AND ENHANCE THE COUNTY'S            DRAINAGE SYSTEM AND WETLAND RESOURCES            2015 AMENDMENTS            Pages 51 &amp; 52            Objective 2: Preserve and restore wetlands.            Implementation Steps:            27. Ensure installation of 50 ft average, 30 ft minimum vegetative buffer strips width along all public waters by November, 2017. Continue to inspect buffers after this deadline, and issue correction letters/administrative penalties when noncompliance identified. Create County map of those waters in compliance.            28. Ensure installation of 16.5 ft minimum width vegetative buffer strips or alternative practices for public ditches or non-public waters by November, 2018. Continue to inspect buffers after this deadline, and issue correction letters/administrative penalties when non-compliance is identified.            31. Regulate flood waters associated with drainage systems through the construction and maintenance of structures including water and sediment retention basins, 2-stage ditches or other structures that lower drainage water levels. Install flood mitigation structures on 2.5% of total Le Sueur River Watershed and 2.5% of total Cannon River watershed.            33. Implement grass waterways on 2% of total Le Sueur River Watershed coverage. Also implement conservation cover on 2.4% of total watershed coverage. Reference percentages for flow reduction goals in Cannon River Watershed WRAPS once completed. Normalize acreage for percentage of watersheds within County. Compile log of practice percentages across watersheds.</p>		
<p><b>Category</b></p>	<p>AGRICULTURAL PRACTICES</p>		
<p><b>Start Date</b></p>	<p>14-Apr-16</p>	<p><b>End Date</b></p>	<p>31-Dec-18</p>
<p><b>Has Rates and Hours?</b></p>	<p>Yes</p>		
<p><b>Actual Results</b></p>	<p>4/2016-1/2017            These funds were spent on staff hours from October through December for the new District Office Assistant. The addition of another employee allows better service for local landowners.            261.12 hours @ \$29.74/hour</p>		

**Grant Activity - Soil Erosion - Computer**

<p><b>Description</b></p>	<p>Soil Erosion - Computer                  A computer with increased capabilities is needed to keep up with mapping and modeling programs, engineering programs for erosion control practices, ..</p> <p>Goal, Objective, Implementation Step, Page in the Waseca County 2009-18 Comprehensive Local Water Management Plan                  Goal 1: Protect and Improve the Quality of Water Resources throughout the County                  Objective 4: Reduce erosion and sediment loading of surface water resources                  Step 2: Reduce total nitrogen and total phosphorus concentrations through nutrient management procedures (including manure)/reduced applications on 20% of normalized acreage of total Le Sueur River Watershed. Once completed, utilize Cannon River WRAPS to determine rate applicable for Cannon River Watershed.                  Page: 45</p> <p>Goal, Objective, Implementation Step, Page in the Water Plan                  Goal 1: Protect and Improve the Quality of Water Resources throughout the County                  Objective 4: Reduce erosion and sediment loading of surface water resources                  Step 17: Offer subsidies (minimum 5 per year) to farmer willing to participate in total suspended solid reduction strategies, including the construction of two-stage ditches and sediment retention ponds                  Page: 49</p> <p>Goal, Objective, Implementation Step, Page in the Water Plan                  Goal 2: Maintain and Enhance the County’s Drainage System and Wetland Resources                  Objective 1: Properly manage the County’s drainage system and Objective 2: Preserve and restore wetlands                  Step 32: Achieve 22,700 new adoption acres of conservation tillage and 8,900 new adoption acres of cover crops in the Le Sueur River Watershed to act as part of the WRAPS 10-year 5% reduced flow goal.                  Page: 52</p>		
<p><b>Category</b></p>	<p>SUPPLIES/EQUIPMENT</p>		
<p><b>Start Date</b></p>	<p>14-Apr-16</p>	<p><b>End Date</b></p>	<p>30-Dec-16</p>
<p><b>Has Rates and Hours?</b></p>	<p>No</p>		
<p><b>Actual Results</b></p>	<p>2016                  The District purchased 2 computer to replace the outdated ones that it currently had. These computers will allow staff to more efficiently perform tasks such as mapping buffers and creating documents.</p>		

**Grant Activity - Soil Erosion - Conservation Farmer Signs**

<p><b>Description</b></p>	<p>Soil Erosion - Conservation Farmer Signs</p> <p>These signs will be presented to the Conservation Farmer of the year recipient to help promote effective conservation and awareness of the assistance available through the SWCD.</p> <p>Goal, Objective, Implementation Step, Page in the Waseca County 2009-18 Local Water Management Plan                      Goal 1: Protect and Improve the Quality of Water Resources throughout the County                      Objective 4: Reduce erosion and sediment loading of surface water resources                      Step 2: Reduce total nitrogen and total phosphorus concentrations through nutrient management procedures (including manure)/reduced applications on 20% of normalized acreage of total Le Sueur River Watershed. Once completed, utilize Cannon River WRAPS to determine rate applicable for Cannon River Watershed.                      Page: 45</p> <p>Goal, Objective, Implementation Step, Page in the Water Plan                      Goal 2: Maintain and Enhance the County’s Drainage System and Wetland Resources                      Objective 1: Properly manage the County’s drainage system and Objective 2: Preserve and restore wetlands                      Step 32: Achieve 22,700 new adoption acres of conservation tillage and 8,900 new adoption acres of cover crops in the Le Sueur River Watershed to act as part of the WRAPS 10-year 5% reduced flow goal.                      Page: 52</p>		
<p><b>Category</b></p>	<p>EDUCATION/INFORMATION</p>		
<p><b>Start Date</b></p>	<p>1-Apr-16</p>	<p><b>End Date</b></p>	<p>31-Dec-18</p>
<p><b>Has Rates and Hours?</b></p>	<p>No</p>		
<p><b>Actual Results</b></p>	<p>2017</p> <p>Conservation Farmer Signs purchased \$343.60 from Sign Pro-Owatonna MN. 4 of these signs will be distributed to Gene &amp; Mary Scheffert, Brett &amp; Lianne Possin, and Jeff &amp; Dale Huelsniutz (2) for present and past Conservation farmers. The remaining will be distributed as they become available.</p> <p>2016</p>		



No activity in this category

**Grant Activity - Soil Erosion - Cover Crop Cost Share**

<p><b>Description</b></p>	<p>Cover Crop Cost Share</p> <p>Purpose: Implement cover crops in order to reduce soil erosion rates, increase residue cover, increase infiltration rates, increase soil organic carbon, recycle nutrients and fix nitrogen, and improve wildlife habitat and landscape aesthetics. We need a local program to show the benefits of covers. There is a federal program but it is very difficult to get approved and most cooperators decide not to participate. Our program will target primarily canning crop producers. These are the least risk, highest return crops to target because of seeding timing. We will follow NRCS specs on mixes, rates, and similar payments. C-S will be flat rates of \$30/ac single sp. and \$40/ac multi sp. with a 160 ac limit. There will be no fall tillage. This program will educate not only the producer applying the practice but also all other producers in the area. The best way to promote new ideas is to have the first adopters prove to others the practice will work and be profitable in this area.</p> <p>Goal, Objective, Implementation Step, Page in the Water Plan          Goal 1: Protect and Improve the Quality of Water Resources throughout the County          Objective 4: Reduce erosion and sediment loading of surface water resources          Step 2: Reduce total nitrogen and total phosphorus concentrations through nutrient management procedures (including manure)/reduced applications on 20% of normalized acreage of total Le Sueur River Watershed.          Page: 45</p> <p>Goal, Objective, Implementation Step, Page in the Water Plan          Goal 2: Maintain and Enhance the County’s Drainage System and Wetland Resources          Objective 1: Properly manage the County’s drainage system and Objective 2: Preserve and restore wetlands          Step 32: Achieve 22,700 new adoption acres of conservation tillage and 8,900 new adoption acres of cover crops in the Le Sueur River Watershed to act as part of the WRAPS 10-year 5% reduced flow goal.          Page: 52</p>		
<p><b>Category</b></p>	<p>AGRICULTURAL PRACTICES</p>		
<p><b>Start Date</b></p>	<p>21-Apr-16</p>	<p><b>End Date</b></p>	<p>31-Dec-18</p>
<p><b>Has Rates and Hours?</b></p>	<p>No</p>		
<p><b>Actual</b></p>	<p>2018</p>		

**Results** The District had 4 cover crop final payments to make, they are as follows:  
 16(16)CC=48 acres =\$2880.00 to Tom Bauman  
 17(16)CC=100 acres=\$4500.00 to Jon Roemhildt  
 18(16)CC=104 acres=\$6240.00 to Jason Norton  
 19(16)CC=53 acres=\$3205.00 to Tom Bauman  
 2017  
 The District has 4 cover crop contracts. Half payments made December 14th, 2017 and the remaining will be paid December 2018. The following are the half payments that were made December 15, 2017:  
 16(16)CC-48Acres=\$2880.00 Tom Bauman, 17(16)CC-100 Acres =\$4500.00 Jon Roemhildt, 18(16)CC-104 Acres=\$6240.00 Jason Norton,19(16)CC-53.4175 Acres=\$3205.00 Tom Bauman  
 2016  
 The District had 12 completed cover crop contracts totaling 718.8 acres. A total of \$22,764 was paid to the participating producers.  
 2(16)CC=\$4800;10(16)CC=\$900;5(16)CC=\$1290;14(16)CC=\$3600;1(16)CC=\$1854;7(16)CC=\$1260;13(16)CC=\$2640;9(16)CC=\$1200;3(16)CC=\$1020;15(16)CC=\$1500;4(16)CC=\$1800;11(16)CC=\$900

Activity Action - 1(16)CC			
Practice	340 - Cover Crop	Count of Activities	1
Description			
Proposed Size / Units	61.80 AC	Lifespan	1 Year
Actual Size/Units	AC	Installed Date	
Mapped Activities	1 Polygon(s)		

Final Indicator for 1(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.79
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River Watershed		
Final Indicator for 1(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	.11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River Watershed		
Final Indicator for 1(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River Watershed		

Activity Action - 2(16)CC			
Practice	340 - Cover Crop	Count of Activities	1
Description			
Proposed Size / Units	120.00 AC	Lifespan	1 Year
Actual Size/Units	AC	Installed Date	
Mapped Activities	1 Polygon(s)		

Final Indicator for 2(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	38.14
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		
Final Indicator for 2(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	136.80
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueuer River Watershed		
Final Indicator for 2(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	73.16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		

Activity Action - 3(16)CC			
Practice	340 - Cover Crop	Count of Activities	1
Description			
Proposed Size / Units	34.00 AC	Lifespan	1 Year
Actual Size/Units	AC	Installed Date	
Mapped Activities	1 Polygon(s)		

Final Indicator for 3(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	38.14
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		
Final Indicator for 3(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	38.76
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		

Final Indicator for 3(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	73.16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		

Activity Action - 4(16)CC			
Practice	340 - Cover Crop	Count of Activities	2
Description			
Proposed Size / Units	60.00 AC	Lifespan	1 Year
Actual Size/Units	AC	Installed Date	
Mapped Activities	2 Polygon(s)		

Final Indicator for 4(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	27.88
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		

Final Indicator for 4(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	44.40
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		

Final Indicator for 4(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	52.94
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		

Activity Action - 5(16)CC			
Practice	340 - Cover Crop	Count of Activities	1
Description			
Proposed Size / Units	43.00 AC	Lifespan	1 Year
Actual Size/Units	AC	Installed Date	
Mapped Activities	1 Polygon(s)		

Final Indicator for 5(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	89.85
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River Watershed		

Final Indicator for 5(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	146.20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River Watershed		
Final Indicator for 5(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	108.36
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River Watershed		

Activity Action - 7(16)CC			
Practice	340 - Cover Crop	Count of Activities	2
Description			
Proposed Size / Units	42.00 AC	Lifespan	1 Year
Actual Size/Units	AC	Installed Date	
Mapped Activities	2 Polygon(s)		

Final Indicator for 7(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	83.80
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		
Final Indicator for 7(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	51.66
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueuer River Watershed		
Final Indicator for 7(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	47.09
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		

Activity Action - 9(16)CC			
Practice	340 - Cover Crop	Count of Activities	1
Description			
Proposed Size / Units	40.00 AC	Lifespan	1 Year
Actual Size/Units	AC	Installed Date	
Mapped Activities	1 Polygon(s)		

Final Indicator for 9(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	38.67
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		
Final Indicator for 9(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	48.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSeuer River Watershed		
Final Indicator for 9(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	75.41
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		

Activity Action - 10(16)CC			
Practice	340 - Cover Crop	Count of Activities	1
Description			
Proposed Size / Units	30.00 AC	Lifespan	1 Year
Actual Size/Units	AC	Installed Date	
Mapped Activities	1 Polygon(s)		

Final Indicator for 10(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	36.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		
Final Indicator for 10(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	30.63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		

Final Indicator for 10(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	62.58
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		

Activity Action - 11(16)CC			
Practice	340 - Cover Crop	Count of Activities	1
Description			
Proposed Size / Units	30.00 AC	Lifespan	1 Year
Actual Size/Units	AC	Installed Date	
Mapped Activities	1 Polygon(s)		

Final Indicator for 11(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	40.16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		

Final Indicator for 11(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	67.98
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		

Final Indicator for 11(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	45.90
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueuer River Watershed		

Activity Action - 13(16)CC			
Practice	340 - Cover Crop	Count of Activities	3
Description			
Proposed Size / Units	88.00 AC	Lifespan	1 Year
Actual Size/Units	AC	Installed Date	
Mapped Activities	3 Polygon(s)		

Final Indicator for 13(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	607.20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon Rlver Watershed		



Final Indicator for 13(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	201.07
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River Watershed		
Final Indicator for 13(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	181.11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River Watershed		

Activity Action - 14(16)CC			
Practice	340 - Cover Crop	Count of Activities	2
Description			
Proposed Size / Units	120.00 AC	Lifespan	1 Year
Actual Size/Units	AC	Installed Date	
Mapped Activities	2 Polygon(s)		

Final Indicator for 14(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	66.79
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		
Final Indicator for 14(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	33.63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		
Final Indicator for 14(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	58.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueuer River Watershed		

Activity Action - 15(16)CC			
Practice	340 - Cover Crop	Count of Activities	1
Description			
Proposed Size / Units	50.00 AC	Lifespan	1 Year
Actual Size/Units	AC	Installed Date	
Mapped Activities	1 Polygon(s)		

Final Indicator for 15(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	38.70
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		
Final Indicator for 15(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	59.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		
Final Indicator for 15(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	75.22
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River Watershed		

Activity Action - 16(16)CC			
Practice	340 - Cover Crop	Count of Activities	1
Description			
Proposed Size / Units	48.00 AC	Lifespan	3 Years
Actual Size/Units	AC	Installed Date	
Mapped Activities	2 Polygon(s)		

Final Indicator for 16(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	96.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Little LeSueur River		
Final Indicator for 16(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	18.58
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Little LeSueur River		

Final Indicator for 16(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	25.22
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Little LeSueur River		

Activity Action - 17(16)CC			
Practice	340 - Cover Crop	Count of Activities	3
Description			
Proposed Size / Units	100.00 AC	Lifespan	3 Years
Actual Size/Units	AC	Installed Date	
Mapped Activities	3 Polygon(s)		

Final Indicator for 17(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	70.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River		

Final Indicator for 17(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	14.85
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River		

Final Indicator for 17(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	28.29
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River		

Final Indicator for 17(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	8.14
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River		

Final Indicator for 17(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	45.30
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River		

Final Indicator for 17(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	16.48
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River		

Final Indicator for 17(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	22.43
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River		
Final Indicator for 17(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	12.04
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River		
Final Indicator for 17(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	42.60
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River		

Activity Action - 18(16)CC			
Practice	340 - Cover Crop	Count of Activities	2
Description			
Proposed Size / Units	104.00 AC	Lifespan	3 Years
Actual Size/Units	AC	Installed Date	
Mapped Activities	2 Polygon(s)		

Final Indicator for 18(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	293.09
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Moonan Marsh/Clear Lake		
Final Indicator for 18(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	330.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Moonan Marsh/Clear Lake		
Final Indicator for 18(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	236.54
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Moonan Marsh/Clear Lake		
Final Indicator for 18(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	37.54
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Moonan Marsh/Clear Lake		

Final Indicator for 18(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	55.62
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Moonan Marsh/Clear Lake		
Final Indicator for 18(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	127.60
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Moonan Marsh/Clear Lake		

Activity Action - 19(16)CC			
Practice	340 - Cover Crop	Count of Activities	1
Description			
Proposed Size / Units	53.42 AC	Lifespan	3 Years
Actual Size/Units	AC	Installed Date	
Mapped Activities	1 Polygon(s)		

Final Indicator for 19(16)CC			
Indicator Name	SEDIMENT (TSS)	Value	51.30
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River		
Final Indicator for 19(16)CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	66.95
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River		
Final Indicator for 19(16)CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	51.30
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	LeSueur River		

**Grant Activity - Soil Erosion - Cover Crop Cost Share T/A**

<p><b>Description</b></p>	<p>Soil Erosion - Cover Crop Cost Share T/A</p> <p>Purpose: Implement cover crops in order to reduce soil erosion rates, increase residue cover, increase infiltration rates, increase soil organic carbon, recycle nutrients and fix nitrogen, and improve wildlife habitat and landscape aesthetics. This T/A may also be used for other engineering projects as needed.</p> <p>Goal, Objective, Implementation Step, Page in the Waseca County 2009-18 Local Water Management Plan          Goal 1: Protect and Improve the Quality of Water Resources throughout the County          Objective 4: Reduce erosion and sediment loading of surface water resources          Step 2: Reduce total nitrogen and total phosphorus concentrations through nutrient management procedures (including manure)/reduced applications on 20% of normalized acreage of total Le Sueur River Watershed. Once completed, utilize Cannon River WRAPS to determine rate applicable for Cannon River Watershed.          Page: 45</p> <p>Goal, Objective, Implementation Step, Page in the Water Plan          Goal 1: Protect and Improve the Quality of Water Resources throughout the County          Objective 4: Reduce erosion and sediment loading of surface water resources          Step 17: Offer subsidies (minimum 5 per year) to farmer willing to participate in total suspended solid reduction strategies, including the construction of two-stage ditches and sediment retention ponds          Page: 49</p> <p>Goal, Objective, Implementation Step, Page in the Water Plan          Goal 2: Maintain and Enhance the County’s Drainage System and Wetland Resources          Objective 1: Properly manage the County’s drainage system and Objective 2: Preserve and restore wetlands          Step 32: Achieve 22,700 new adoption acres of conservation tillage and 8,900 new adoption acres of cover crops in the Le Sueur River Watershed to act as part of the WRAPS 10-year 5% reduced flow goal.          Page: 52</p>		
<p><b>Category</b></p>	<p>TECHNICAL/ENGINEERING ASSISTANCE</p>		
<p><b>Start Date</b></p>	<p>16-Sep-16</p>	<p><b>End Date</b></p>	<p>31-Dec-18</p>
<p><b>Has Rates and Hours?</b></p>	<p>Yes</p>		
<p><b>Actual Results</b></p>	<p>2018-Rates will change during 2018 qtrs. due to different insurance policy and leave hours taken (vacation, sick days, holiday)</p>		

4th qtr 2018

T Polster 28.4574 hrs @\$34.65=\$986.05 cover crops T/A

3rd qtr 2018

M Schaetzke- 3 hrs @ \$48.97=\$146.91 cover crops TA 3rd qtr 2018

Tyler P- 6 hrs @ \$32.95=197.70 cover crops TA 3rd qtr 2018

2nd qtr 2018

April 1, 2018-June 24, 2018 Mark Schaetzke 9 hrs @ \$48.44/hr=\$435.96 Cover Crops 2nd qtr

April 1, 2018 - June 24, 2018 Tyler Polster 4.2745 hrs @ \$31.71/hr = \$135.54 Cover Crops 2nd qtr

1st qtr 2018

January 1, 2018 - March 31, 2018 Tyler Polster 13 hrs @ \$30.25/hr = \$393.25 Cover Crops

2017

April 1, 2017-June 30, 2017 2nd qtr

Tyler Polster 5 hrs @ \$32.66/hr=\$163.30 Cover Crops

July 1, 2017-September 30, 2017 3rd qtr

Tyler Polster 15 hrs @\$32.66/hr=\$489.90 Cover Crops

October 1, 2017-December 31, 2017 4th qtr

Tyler Polster 19hrs @ \$\$32.66/hr=620.54 Cover Crops

**Grant Activity - Soil Erosion - Ranger**

<p><b>Description</b></p>	<p>Soil Erosion - Ranger</p> <p>\$7000 will be used from this grant, \$1500 will be used from the FY16 Buffer Law grant, and \$500 will come from the Easement Delivery grant to purchase this equipment.</p> <p>The Ranger will allow SWCD staff to more efficiently assist landowners with tasks such as evaluation of potential project sites and easement checks and maintenance.</p> <p>Goal, Objective, Implementation Step, Page in the Waseca County 2009-18 Local Water Management Plan          Goal 1: Protect and Improve the Quality of Water Resources throughout the County          Objective 4: Reduce erosion and sediment loading of surface water resources          Step 2: Reduce total nitrogen and total phosphorus concentrations through nutrient management procedures (including manure)/reduced applications on 20% of normalized acreage of total Le Sueur River Watershed. Once completed, utilize Cannon River WRAPS to determine rate applicable for Cannon River Watershed.          Page: 45</p> <p>Goal, Objective, Implementation Step, Page in the Water Plan          Goal 1: Protect and Improve the Quality of Water Resources throughout the County          Objective 4: Reduce erosion and sediment loading of surface water resources          Step 17: Offer subsidies (minimum 5 per year) to farmer willing to participate in total suspended solid reduction strategies, including the construction of two-stage ditches and sediment retention ponds          Page: 49</p> <p>Goal, Objective, Implementation Step, Page in the Water Plan          Goal 2: Maintain and Enhance the County’s Drainage System and Wetland Resources          Objective 1: Properly manage the County’s drainage system and Objective 2: Preserve and restore wetlands          Step 32: Achieve 22,700 new adoption acres of conservation tillage and 8,900 new adoption acres of cover crops in the Le Sueur River Watershed to act as part of the WRAPS 10-year 5% reduced flow goal.          Page: 52</p>		
<p><b>Category</b></p>	<p>SUPPLIES/EQUIPMENT</p>		
<p><b>Start Date</b></p>	<p>14-Apr-16</p>	<p><b>End Date</b></p>	<p>15-Sep-16</p>



Has Rates and Hours?	No
Actual Results	2016 The District purchased a Ranger to allow staff to more effectively do site visits and perform easement inspections.

**Grant Activity - Soil Erosion - Soil Health Outreach**

<p><b>Description</b></p>	<p>Soil Health Outreach</p> <p>Purpose: Expand the public’s knowledge of the positive benefits of improving soil health in hopes of increasing the initiation of practices that increase soil health. We will speak to cooperators about soil health topics. The grant will also cover staff hours preparing newsletters and other promotional materials. In the past we promoted reduced tillage but not soil health. We will also become active with soil health teams in neighboring counties.</p> <p>Goal, Objective, Implementation Step, Page in the Waseca County 2009-18 Local Water Management Plan          Goal 1: Protect and Improve the Quality of Water Resources throughout the County          Objective 4: Reduce erosion and sediment loading of surface water resources          Step 1: Implement the Le Sueur River WRAPS 10-year targets for pollutant/stressor reduction within the watershed. Conduct bi-yearly monitoring of parameters for a minimum of 70% of all watershed waters and public 5 year updates, showing progress towards goal reductions.          Page: 45</p> <p>Goal, Objective, Implementation Step, Page in the Water Plan          Goal 1: Protect and Improve the Quality of Water Resources throughout the County          Objective 4: Reduce erosion and sediment loading of surface water resources          Step 2: Reduce total nitrogen and total phosphorus concentrations through nutrient management procedures (including manure)/reduced applications on 20% of normalized acreage of total Le Sueur River Watershed. Once completed, utilize Cannon River WRAPS to determine rate applicable for Cannon River Watershed.          Page: 45</p> <p>Goal, Objective, Implementation Step, Page in the Water Plan          Goal 4: Increase Awareness on Key Water Planning Issues</p>		
<p><b>Category</b></p>	<p>EDUCATION/INFORMATION</p>		
<p><b>Start Date</b></p>	<p>14-Apr-16</p>	<p><b>End Date</b></p>	<p>31-Dec-18</p>
<p><b>Has Rates and Hours?</b></p>	<p>Yes</p>		
<p><b>Actual Results</b></p>	<p>2018 Rate changes due to change in insurance, vacation, sick time and holidays.</p>		

3rd qtr

Mark Schaetzke 18.537 hrs @ \$48.97/hr=\$907.76 on landowner soil health outreach

2nd Qtr

Mark Schaetzke spent 8.5 hours @ \$48.44/hr=\$411.74 on landowner soil health outreach.

2017

1ST QTR-

Tyler Polster spent 4 hours at \$31.32/hr=\$125.28 Soil Health

3RD QTR-

Tyler Poslter 13 hrs @ \$32.66/hr =\$424.58 Outreach

Tyler Polster 4 hours @ 32.66/hr=\$130.64 Soil Health

2016

No activity in this catagory

**Grant Activity - Soil Erosion - Trailer**

<p><b>Description</b></p>	<p>Soil Erosion - Trailer                  \$4000 will be used from this grant, \$500 will be used from the FY16 Buffer Law grant, and \$500 will come from the Easement Delivery grant to purchase this trailer.                  The trailer will be used to move the Ranger from one site to another safely and efficiently. This will allow SWCD staff to more efficiently assist landowners with tasks such as evaluation of potential project sites and easement checks and maintenance.</p> <p>Goal, Objective, Implementation Step, Page in the Waseca County 2009-18 Local Water Management Plan                  Goal 1: Protect and Improve the Quality of Water Resources throughout the County                  Objective 4: Reduce erosion and sediment loading of surface water resources                  Step 2: Reduce total nitrogen and total phosphorus concentrations through nutrient management procedures (including manure)/reduced applications on 20% of normalized acreage of total Le Sueur River Watershed. Once completed, utilize Cannon River WRAPS to determine rate applicable for Cannon River Watershed.                  Page: 45</p> <p>Goal, Objective, Implementation Step, Page in the Water Plan                  Goal 1: Protect and Improve the Quality of Water Resources throughout the County                  Objective 4: Reduce erosion and sediment loading of surface water resources                  Step 17: Offer subsidies (minimum 5 per year) to farmer willing to participate in total suspended solid reduction strategies, including the construction of two-stage ditches and sediment retention ponds                  Page: 49</p> <p>Goal, Objective, Implementation Step, Page in the Water Plan                  Goal 2: Maintain and Enhance the County’s Drainage System and Wetland Resources                  Objective 1: Properly manage the County’s drainage system and Objective 2: Preserve and restore wetlands                  Step 32: Achieve 22,700 new adoption acres of conservation tillage and 8,900 new adoption acres of cover crops in the Le Sueur River Watershed to act as part of the WRAPS 10-year 5% reduced flow goal.                  Page: 52</p>		
<p><b>Category</b></p>	<p>SUPPLIES/EQUIPMENT</p>		
<p><b>Start Date</b></p>	<p>14-Apr-16</p>	<p><b>End Date</b></p>	<p>23-Sep-16</p>
<p><b>Has Rates and Hours?</b></p>	<p>No</p>		
<p><b>Actual Results</b></p>	<p>2016</p>		

The District purchased a trailer to enable staff to move the Ranger from one site to another.

Grant Activity - Water Storage and Treatment - VRS Survey Equipment

<b>Description</b>	<p>VRS Survey Equipment and data service</p> <p>Purpose: To be used for buffer implementation, erosion control practices, wetland restoration, and accounting for soil erosion rates. The cost of equipment is split between Capacity (\$25,720) and Buffer (\$7,500).</p> <p>Goal, Objective, Implementation Step, Page in the Waseca County Local Water Management Plan Goal 1: Protect and Improve the Quality of Water Resources throughout the County Objective 4: Reduce erosion and sediment loading of surface water resources Step 1: Implement the Le Sueur River WRAPS 10-year targets for pollutant/stressor reduction within the watershed. Conduct bi-yearly monitoring of parameters for a minimum of 70% of all watershed waters and public 5 year updates, showing progress towards goal reductions. *I have attached the 10-year targets for you to reference in your narrative Page: 45</p> <p>Goal, Objective, Implementation Step, Page in the Water Plan Goal 2: Maintain and Enhance the County’s Drainage System and Wetland Resources Objective 2: Properly manage the County’s drainage system Step 27: Ensure installation of 50 ft average, 30 ft minimum vegetative buffer strips width along all public waters by November 2017. Continue to inspect buffers after this deadline, and issue correction letters/administrative penalties when noncompliance is identified. Create County map of those waters in compliance. Page: 51</p> <p>Goal, Objective, Implementation Step, Page in the Water Plan Goal 2: Maintain and Enhance the County’s Drainage System and Wetland Resources Objective 2: Properly manage the County’s drainage system Step 28: Ensure installation of 16.5 ft minimum width vegetative buffer strips or alternative practices for public ditches or non-public waters by November 2018. Continue to inspect buffers after this deadline, and issue correction letters/administrative penalties when non-compliance is identified. Page: 51</p>
<b>Category</b>	SUPPLIES/EQUIPMENT

<b>Start Date</b>	14-Apr-16	<b>End Date</b>	21-Jul-16
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	2016 The District purchased VRS Survey Equipment to allow the District Technician to more effectively and efficiently perform surveys needed to plan conservation practices.		

**Grant Activity - Water Storage and Treatment - Staff Training**

<p><b>Description</b></p>	<p>Various Training Elements</p> <p>Staff will seek out training to better accomplish the goals laid out in the water plan. Training may involve MECA events on BMP's, sediment reduction practices, U of M Extension events, tech courses to better utilize GPS-survey equipment, ... .</p> <p>Goal, Objective, Implementation Step, Page in the Waseca County Local Water Management Plan                      Goal 1: Protect and Improve the Quality of Water Resources throughout the County                      Objective 4: Reduce erosion and sediment loading of surface water resources                      Step 2: Reduce total nitrogen and total phosphorus concentrations through nutrient management procedures (including manure)/reduced applications on 20% of normalized acreage of total Le Sueur River Watershed. Once completed, utilize Cannon River WRAPS to determine rate applicable for Cannon River Watershed.                      Page: 45</p> <p>Goal, Objective, Implementation Step, Page in the Water Plan                      Goal 2: Maintain and Enhance the County's Drainage System and Wetland Resources                      Objective 1: Properly manage the County's drainage system and Objective 2: Preserve and restore wetlands                      Step 32: Achieve 22,700 new adoption acres of conservation tillage and 8,900 new adoption acres of cover crops in the Le Sueur River Watershed to act as part of the WRAPS 10-year 5% reduced flow goal.                      Page: 52</p>		
<p><b>Category</b></p>	<p>ADMINISTRATION/COORDINATION</p>		
<p><b>Start Date</b></p>	<p>14-Apr-16</p>	<p><b>End Date</b></p>	<p>31-Dec-18</p>
<p><b>Has Rates and Hours?</b></p>	<p>Yes</p>		
<p><b>Actual Results</b></p>	<p>2018 Quarterly Rate changes due to difference in insurance policy, cost of leave (Vacation, Sick Days, Holidays)                      April 2018-June 24, 2018 Mark training 8 hours @ \$48.44/hr = \$387.52                      April 1, 2018-June 24, 2018 Tyler Polster training 13.2255 hrs @ \$31.71= \$419.38                      Jan 1, 2018-March 31, 2018 Tyler Polster training 18 hrs @ \$30.25/hr = \$544.50 1st qtr</p> <p>2016                      The District purchased VRS Survey Equipment to allow the District Technician to more effectively and efficiently perform surveys needed to plan conservation practices. The technician received training on the use of this equipment. cost \$625.00</p>		



## Grant Attachments

Document Name	Document Type	Description
<b>10(16)CC Roemhildt</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>11(16)CC Roemhildt</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>16(16)CC Voucher T Bauman</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>17(16)CC Voucher J Roemhildt</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>18(16)CC Voucher J Norton</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>19(16)CC Voucher T Bauman</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>2016 Capacity Amendment email</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>2016 Local Capacity Financial Report</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>2016 SWCD Board Meeting Minutes-CC approvals</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>2016 SWCD Local Capacity Financial Report</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>2016 SWCD Local Capacity Services</b>	Grant Agreement	2016 SWCD Local Capacity Services - Waseca SWCD
<b>2016 SWCD Local Capacity Services executed</b>	Grant Agreement	2016 SWCD Local Capacity Services - Waseca SWCD
<b>2016 SWCD Local Financial Report</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>2017 Board Meeting Approval</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>9(16)CC Roemhildt</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/26/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/23/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/11/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/13/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 05/17/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/20/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/26/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/20/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/12/2018
<b>Amendment executed</b>	Grant Agreement	2016 SWCD Local Capacity Services - Waseca SWCD
<b>ApprovedWorkPlanRevision_waseca16capacity</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>CapacityRequestApproved_MarketingOutreach/Truck</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>Computers Invoice</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>Computers Invoice #2</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)

Document Name	Document Type	Description
Correction Action Plan_Waseca_SWCD Response	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Corrective Action Plan_Waseca	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
December Minutes-CC payment approvals	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Education Supplies Invoice	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Fair Receipt	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Logo and signage pictures	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
NonComplianceLetter	Journal	Journal Dated - 02/06/2018
Outreach Invoice 2	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Outreach Supplies Invoice	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Outreach Supply Receipt	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Outreach-Farm America	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Outreach-Waseca Cty Fair July 11-15, 2018	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
P16-6073 Reconciliation Checklist	Journal	Journal Dated - 02/06/2018
Ranger Invoice	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
SROC Open House 2018	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
SWCD Capacity Amendment - Waseca SWCD.docx	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
ShirtApproval	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Shirts Invoice	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
SignPro Invoice	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Supplies-Outreach and Files	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Trailer Invoice	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
VRS Invoice	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Voucher Jason Norton 18(16)CC final payment	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Voucher Jon Roemhildt 17(16)CC final payment	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Voucher Tom Bauman 16(16)CC final payment	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Voucher Tom Bauman 19(16)CC final voucher	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Vouchers for 2016 CC Payments	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Waseca16CapacityApproval	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Wet Signs & Murals Invoice	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 11/30/2015

Document Name	Document Type	Description
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 04/05/2016
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 07/15/2016
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 07/10/2018
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/24/2018
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 05/23/2018
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/24/2017