



## 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

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

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$120,337.00	\$75,678.48	\$44,658.52
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>\$86,178.48</b>	<b>\$44,658.52</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
Office Assistant	Agricultural Practices	Current State Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)	\$7,765.77	\$7,765.77	1/9/2017	N
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)	\$320.00	\$320.00	10/24/2017	N
Soil Erosion - Cover Crop Cost Share	Agricultural Practices	Current State Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)	\$56,413.60	\$22,764.00	12/15/2016	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Soil Erosion - Cover Crop Cost Share T/A	Technical/Engineering Assistance	Current State Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)	\$14,103.40	\$6,344.20	9/30/2017	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	\$125.28	3/31/2017	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)	\$2,000.00	\$625.00	7/21/2016	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
340 - Cover Crop	1	1	61.8 AC	0 AC
340 - Cover Crop	1	1	40 AC	0 AC
340 - Cover Crop	3	3	120 AC	0 AC
340 - Cover Crop	2	2	42 AC	0 AC
340 - Cover Crop	3	3	88 AC	0 AC

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
340 - Cover Crop	1	1	50 AC	0 AC
340 - Cover Crop	2	1	30 AC	0 AC
340 - Cover Crop	1	1	34 AC	0 AC
340 - Cover Crop	2	2	60 AC	0 AC
340 - Cover Crop	1	1	43 AC	0 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
SEDIMENT (TSS)	604.25	TONS/YR
PHOSPHORUS (EST. REDUCTION)	941.26	LBS/YR
SOIL (EST. SAVINGS)	1,273.03	TONS/YR

## Grant Activity

Grant Activity - Office Assistant			
<b>Description</b>	<p>Office Assistant</p> <p>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>		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	14-Apr-16	<b>End Date</b>	31-Dec-18
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>2016</p> <p>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.</p> <p>261.12 hours @ \$29.74/hour</p>		

## Grant Activity - Soil Erosion - Computer

<b>Description</b>	<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>		
<b>Category</b>	SUPPLIES/EQUIPMENT		
<b>Start Date</b>	14-Apr-16	<b>End Date</b>	30-Dec-16
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	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.		

**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>		

**Actual Results**

2017

Conservation Farmer Signs purchased \$320.00 from Sign Pro-Owatonna MN. 4 of these signs will be distributed to Gene & Mary Scheffert, Brett & Lianne Possin, and Jeff & Dale Huelsniutz (2) for present and past Conservation farmers. The remaining will be distributed as they become available.

2016

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>		



<b>Actual Results</b>	<b>2017</b>
	The District has 4 cover crop contracts. Half payments will be made December 15th, 2017 and the remaining will be paid December 2018. The following are the half payments that will be made December 15, 2017: 16(16)CC=48Acres=\$2880.00, 17(16)CC=100 Acres=\$4500.00, 18(16)CC=104 Acres=\$6240.00,19(16)CC=53.42 Acres=\$3205.00
	<b>2016</b>
	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	SEDIMENT (TSS)	Value	.25
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	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	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		

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	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		
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		

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	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		
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		

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	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		

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		

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	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		
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	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		

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	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		

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		

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 River 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	SOIL (EST. SAVINGS)	Value	58.50
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	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		

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	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		
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		



**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>21-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>		

Actual Results

2017

April 1-June 30 T/A Tyler Polster 2nd qtr

5 hours @ \$32.66=\$163.30 time spent on tech and admin activities

July 1-Sept 30 T/A Tyler Polster 3rd qtr

15 hrs @ \$32.66 = \$489.90 time spent on tech activities

2016

The District used \$5,691.00 to cover the cost of the staff time spent on technical and administrative duties related to the 12 completed cover crop contracts: 2(16)CC-T/A=\$1200.00;10(16)CC-T/A=\$255.00;5(16)CC-T/A=\$322.50;14(16)CC-T/A=\$900.00;1(16)CC-T/A=\$463.50;7(16)CC-T/A=\$315.00;13(16)CC-T/A=\$660.00;9(16)CC-T/A=\$300.00;3(16)CC-T/A\$255.00;15(16)CC-T/A=\$375.00;4(16)CC-T/A=\$450.00;11(16)CC-T/A=\$225.00

**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				
Description	Soil Health Outreach			
	<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>			
Category	EDUCATION/INFORMATION			
	Start Date	14-Apr-16	End Date	31-Dec-18
	Has Rates and Hours?	Yes		

Actual Results

2016

There was no activity in this category

2017

1ST QTR-Tyler Polster spent 4 hours at \$31.32/hr on soil health issues.

**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 od 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>		

Actual Results

2016

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

### Description

VRS Survey Equipment and data service

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).

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

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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.

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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.

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### Category

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

<b>Description</b>	<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>		
<b>Category</b>	ADMINISTRATION/COORDINATION		
<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. The technician received training on the use of this equipment.		

## Grant Attachments

Document Name	Document Type	Description
<b>2016 Local Capacity Financial Report</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)

Document Name	Document Type	Description
<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>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 - 04/13/2017
<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 - 05/17/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/26/2017
<b>Amendment executed</b>	Grant Agreement	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)
<b>Correction Action Plan_Waseca_SWCD Response</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>Corrective Action Plan_Waseca</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>Ranger Invoice</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>SWCD Capacity Amendment - Waseca SWCD.docx</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>SignPro Invoice</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>Trailer Invoice</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>VRS Invoice</b>	Grant	2016 - SWCD Local Capacity Services (Waseca SWCD)
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 07/15/2016
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 04/05/2016
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 11/30/2015
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/24/2017