



## Grant All-Detail Report Cost Share 2019

**Grant Title** - 2019 - State Cost-Share Fund (Sherburne SWCD)

**Grant ID** - P19-3621

**Organization** - Sherburne SWCD

<b>Original Awarded Amount</b>	<b>\$7,493.00</b>	<b>Grant Execution Date</b>	<b>12/4/2017</b>
<b>Required Match Amount</b>	\$1,873.25	<b>Original Grant End Date</b>	12/31/2020
<b>Required Match %</b>	25%	<b>Grant Day To Day Contact</b>	Francine Larson
<b>Current Awarded Amount</b>	\$7,493.00	<b>Current End Date</b>	12/31/2020

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$7,493.00	\$7,493.00	\$0.00
Total Match Amount	\$1,498.60	\$1,498.60	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$8,991.60</b>	<b>\$8,991.60</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
FY 19 Non-Structural Cost Share	Agricultural Practices	Current State Grant	2019 - State Cost-Share Fund (Sherburne SWCD)	\$0.00	\$2,336.39	12/17/2020	N
FY19 - Technical Engineering & Assistance	Technical/Engineering Assistance	Current State Grant	2019 - State Cost-Share Fund (Sherburne SWCD)	\$1,498.60	\$1,498.60	12/31/2020	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
FY19 State Cost Share Assistance	Streambank or Shoreline Protection	Current State Grant	2019 - State Cost-Share Fund (Sherburne SWCD)	\$5,994.40	\$3,658.01	7/9/2020	N
FY19 State Cost Share Assistance	Streambank or Shoreline Protection	Landowner Fund	FY19 State Cost Share Assistance	\$1,498.60	\$1,498.60	7/9/2020	Y

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
342 - Critical Area Planting	1	1	0.05 AC	0.05 AC
342 - Critical Area Planting	1	1	0.04 AC	0.04 AC
340 - Cover Crop	1	1	170 AC	170 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)	1.32	TONS/YR
PHOSPHORUS (EST. REDUCTION)	1.13	LBS/YR
SOIL (EST. SAVINGS)	510.00	TONS/YR

## Grant Activity

Grant Activity - FY 19 Non-Structural Cost Share			
Description	For the installation of non-structural best management practices as defined by the district's NSLM Plan.		
Category	AGRICULTURAL PRACTICES		
Start Date	1-Jan-19	End Date	14-Jan-21
Has Rates and Hours?	No		
Actual Results	Funds used towards an aerial cover crop seeding on 170 acres, this was a multi species mix. The cover crop will help reduce soil loss by 510 tons/year. A secondary benefits will be the added pollinator habitat, which is essential to many of our threatened pollinators including the rusty patched bumblebee.		

Activity Action - Diamond A - Cover Crops			
Practice	340 - Cover Crop	Count of Activities	1
Description	Aerial fall seeding of multispecies cover crop into soybean stubble.		
Proposed Size / Units	170.00 AC	Lifespan	3 Years
Actual Size/Units	170.00 AC	Installed Date	20-Sep-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Diamond A - Cover Crops			
Indicator Name	SOIL (EST. SAVINGS)	Value	510
Indicator Subcategory/Units	WIND EROSION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Literature Value
Waterbody	Long Lake		

Grant Activity - FY19 - Technical Engineering & Assistance			
Description	Staff time towards technical engineering and assistance with 2019 BMP cost share projects.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	6-Dec-17	End Date	14-Jan-21
Has Rates and Hours?	Yes		
Actual Results	Staff time towards technical engineering and assistance with BMP cost share projects.		

**Grant Activity - FY19 State Cost Share Assistance**

<p><b>Description</b></p>	<p>2019 BMP Cost Share Practices</p> <p>Funds will be used towards:</p> <p>Structural Practices – District Staff will work with property owners with water erosion issues. Practices include rain gardens, shoreline restorations, stormwater mitigation. The goal of the program is to reduce soil and pollution transport. Funding levels are depending upon site location and the type of practice installed; generally, projects are funded up to a level of \$2,000. Application deadlines are April 1st and August 1st</p> <p>Non Structural Practices - District Staff will work with landowners installing cover crops and native prairie habitat. Operators planting cover crops must plant three or more species to be eligible and adopt a higher level of management. Cost share is available up to \$2000. Landowners installing or enhancing native prairie habitat are required to work with staff on proper site prep, planting, and local eco type mixes. Cost share is 75% of seed not to exceed \$600/acre. Application deadlines are March 1st and August 1st</p>		
<p><b>Category</b></p>	<p>STREAMBANK OR SHORELINE PROTECTION</p>		
<p><b>Start Date</b></p>	<p>1-Jan-19</p>	<p><b>End Date</b></p>	<p>14-Jan-21</p>
<p><b>Has Rates and Hours?</b></p>	<p>No</p>		
<p><b>Actual Results</b></p>	<p>Q42020 - During the 2019 state cost share grant period the Sherburne SWCD was able to fund 3 projects through our cost share assistance program. Two of these projects were mainly focused around shoreline erosion control, the third project was an agricultural best management practice. There was a total of 205 linear feet of shoreline restored and over 4,055 square feet of upland planted to native vegetation. The last project partially funded an aerial cover crop seeding on 170 acres, this was a multi species mix. Most of these projects are located on or near impaired bodies of water. The shoreline projects will help reduce phosphorus by 1.13 lbs/year and suspended solids by 1.32 tons/year. The cover crop will help reduce soil loss by 510 tons/year. A secondary benefit to all these projects will be the added pollinator habitat, which is essential to many of our threatened pollinators including the rusty patched bumblebee.</p>		

Activity Action - Fuller-Shoreline Restoration			
Practice	342 - Critical Area Planting	Count of Activities	1
Description	Toe stabilization with coir logs. Upland plating with native seed and shrubs.		
Proposed Size / Units	0.05 AC	Lifespan	10 Years
Actual Size/Units	0.05 AC	Installed Date	30-Oct-19
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Fuller-Shoreline Restoration

Indicator Name	SEDIMENT (TSS)	Value	.22
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lake Orono		

Final Indicator for Fuller-Shoreline Restoration

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.19
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lake Orono		

Activity Action - Struble-Erosion Control			
Practice	342 - Critical Area Planting	Count of Activities	1
Description	Restoration of steep slope leading to Lake Orono. Planted with native forb/grass seed, forb/grass plugs and shrubs.		
Proposed Size / Units	0.04 AC	Lifespan	10 Years
Actual Size/Units	0.04 AC	Installed Date	29-Jun-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Struble-Erosion Control

Indicator Name	SEDIMENT (TSS)	Value	1.10
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lake Orono		

Final Indicator for Struble-Erosion Control

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.94
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Lake Orono		

## Grant Attachments

Document Name	Document Type	Description
<b>2018/2019 Programs and Operations Grants</b>	Grant Agreement	2018/2019 SWCD Programs and Operations Grants - Sherburne SWCD
<b>2018/2019 Programs and Operations Grants executed</b>	Grant Agreement	2018/2019 SWCD Programs and Operations Grants - Sherburne SWCD
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/11/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/29/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/07/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/05/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/03/2020
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/16/2020
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/05/2021
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/16/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/15/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/06/2018
<b>FY19 SCS Final Financial Report</b>	Grant	2019 - State Cost-Share Fund (Sherburne SWCD)
<b>final closeout</b>	Grant	2019 - State Cost-Share Fund (Sherburne SWCD)