



# Grant Progress Report

## SWCD Local Capacity Services 2022

**Grant Title:** 2022 - SWCD Local Capacity Services (Sherburne SWCD)

**Grant Award (\$):** \$132,509.00

**Grant Execution Date:** 12/08/2021

**Grant ID:** P22-6151

**Required Match (%):** 0

**Grant End Date:** 12/31/2024

**Grantee:** Sherburne SWCD

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

**Fiscal Agent:**

**Grant Day-to-Day Contact:** Francine Larson

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$132,509.00	\$132,509.00	\$0.00
Match Funds	\$0.00	\$0.00	\$0.00
Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$132,509.00</b>	<b>\$132,509.00</b>	<b>\$0.00</b>

\*Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

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

Activity Name	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
Riparian Zone - Education	Education/Information	Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$30,000.00	\$30,000.00	\$0.00	N

<i>Activity Name</i>	<i>Category</i>	<i>Source Type</i>	<i>Source Description</i>	<i>Budgeted</i>	<i>Spent</i>	<i>Balance Remaining</i>	<i>Match Fund?</i>
Well Sealing	Groundwater	Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$813.70	\$813.75	(\$0.05)	N
Soil Erosion - BMP Cost Share - Non Structural	Non-Structural Management Practices	Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$2,426.64	\$2,426.64	\$0.00	N
Excess Nutrients - BMP Cost Share - Structural	Streambank or Shoreline Protection	Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$3,240.34	\$3,240.34	\$0.00	N
Riparian - Supplies / Equipment	Supplies/Equipment	Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$12,509.00	\$12,509.00	\$0.00	N
Excess Nutrient - Prioritization & Targeting Studies	Technical/Engineering Assistance	Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$8,604.69	\$8,604.69	\$0.00	N
Excess Nutrients - Staff	Technical/Engineering Assistance	Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$21,395.31	\$21,395.31	\$0.00	N
WST - Habitat Restoration – Staff	Technical/Engineering Assistance	Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$20,000.00	\$20,000.00	\$0.00	N
Soil Erosion – Staff	Technical/Engineering Assistance	Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$30,000.00	\$30,000.00	\$0.00	N
BMP Cost Share - Stormwater	Urban Stormwater Management Practices	Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$3,519.32	\$3,519.27	\$0.05	N

## Indicator Summary

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
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<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Wind Erosion (Reduction Estimates)	Soil (Est. Savings)	29.448	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	39.27	Lbs/Yr
Water Pollution (Reduction Estimates)	Total Suspended Solids (TSS)	46.2	Mg/L
Stormwater Management	Volume Reduced (Acre- Feet/Year)	3.55	Acre-Feet/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	2.89	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	0.263	Tons/Yr

## Grant Activities

<b>Activity Name: BMP Cost Share - Stormwater</b>	
<b>Activity Category:</b> Urban Stormwater Management Practices	<b>Staff time?:</b> No
<b>Description:</b> Funds will be used towards urban stormwater practices.	
<b>Budget Details</b>	

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$3,519.32	\$3,519.27	\$0.05	11/09/2024	N

### Actual Results

#### Results

#### Date Added

The remaining funds from the FY2022 Capacity were dedicated to a bio-retention basin project in conjunction with street reconstruction in Livonia Township. The bio-retention basin was installed to collect stormwater runoff from the nearby street and filter out excess nutrients before entering West Hunter Lake. This project will remove 96% of total phosphorus and reduce water volume by 69%.

11/22/2024 7:32:06 AM

### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	2.89	Lbs/Yr
Sediment (Tss)	0.263	Tons/Yr
Volume Reduced (Acre-Feet/Year)	3.55	Acre-Feet/Yr

Activity Action Name:	#2024-03-01 - Livonia	Activity Count: 1
Practice Type:	712M - Bioretention Basin	Size/Units: 7000 - Square Feet
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Bioretention basin installed during street reconstruction project, this basin will divert and infiltrate stormwater runoff before it enters West Hunter Lake.	Install Date: 10/24/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	2.89	MIDS	West Hunter Lake
Sediment (Tss)	Tons/Yr	0.263	MIDS	West Hunter Lake
Volume Reduced (Acre-Feet/Year)	Acre-Feet/Yr	3.55	MIDS	West Hunter Lake

## Activity Name: Excess Nutrient - Prioritization & Targeting Studies

**Activity Category:** Technical/Engineering Assistance

**Staff time?:** Yes

**Description:** Staff will utilize these funds to develop and complete assessments related to multiple natural resources. The outcomes of these assessments will include maps and reports that will assist in developing prioritized and targeted projects across the county.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$8,604.69	\$8,604.69	\$0.00	02/17/2024	N

### Actual Results

<u>Results</u>	<u>Date Added</u>
	11/2/2021 3:27:10 PM
Funds were used to develop and complete assessments related to multiple natural resources. The outcomes of these assessments will include maps and reports that will assist in developing prioritized and targeted projects across the county. A portion of the funds were used to support staff in developing a Landscape Stewardship Plan (LSP) which is a mapping exercise to prioritize forestry plantings and protection efforts.	1/25/2024 2:57:54 PM

## Activity Name: Excess Nutrients - BMP Cost Share - Structural

**Activity Category:** Streambank or Shoreline Protection

**Staff time?:** No

**Description:** Financial Assistance towards projects and plans that address rural and urban water runoff and groundwater quality and quantity.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$3,240.34	\$3,240.34	\$0.00	12/21/2023	N

### Actual Results

<u>Results</u>	<u>Date Added</u>
	11/2/2021 3:22:51 PM
#2023-09-02 – Parris - The Sherburne SWCD provided a partial payment to Leslie Parris for a streambank stabilization project along 75 linear feet of the Elk River. Installation consisted of cedar revetments, brush bundles and willow live stakes. (split with SCS)	1/25/2024 2:59:35 PM

### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Total Suspended Solids (TSS)	46.2	Mg/L
Phosphorus (Est. Reduction)	39.27	Lbs/Yr

Activity Action Name:	#2023-09-02 - Parris	Activity Count: 1
Practice Type:	580 - Streambank and Shoreline Protection	Size/Units: 70 - Linear Feet
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	Cedar revetment and brush bundles coupled with live stakes and potted plants to stabilize a bend in the river.	Install Date: 10/08/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	39.27	Winslamm	Elk River
Total Suspended Solids (TSS)	Mg/L	46.2	Winslamm	Elk River

## Activity Name: Excess Nutrients - Staff

**Activity Category:** Technical/Engineering Assistance **Staff time?:** Yes

**Description:** Funds will be used towards technical assistance for projects and plans that address rural and urban water runoff, groundwater quality and quantity, vegetative management, water storage and infiltration.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$21,395.31	\$21,395.31	\$0.00	04/27/2024	N

### Actual Results

<u>Results</u>	<u>Date Added</u>
Funds were used towards technical assistance for projects and plans that address rural and urban water runoff, groundwater quality and quantity, vegetative management, water storage and infiltration.	11/2/2021 3:19:08 PM
Funds were used towards technical assistance for projects and plans that address rural and urban water runoff, groundwater quality and quantity, vegetative management, water storage and infiltration.	1/25/2024 3:00:18 PM

## Activity Name: Riparian - Supplies / Equipment

Activity Category: Supplies/Equipment

Staff time?: No

Description: Fund will be used towards design/engineering software utilized by technical staff for BMP 's. (Vectorworks / ESRI / QuickBase / Creative Cloud)

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$12,509.00	\$12,509.00	\$0.00	01/21/2023	N

### Actual Results

<u>Results</u>	<u>Date Added</u>
	11/2/2021 3:25:09 PM
With BC approval, funds were used towards the purchase of a District Truck.	1/25/2024 3:01:17 PM

## Activity Name: Riparian Zone - Education

Activity Category: Education/Information

Staff time?: Yes

Description: Funds will be used towards staff time and direct expenses for the District's education and outreach programs.

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$30,000.00	\$30,000.00	\$0.00	02/04/2023	N

### Actual Results

<u>Results</u>	<u>Date Added</u>
	11/2/2021 3:21:40 PM

**Results**

**Date Added**

Funds were used towards staff time and direct expenses for the District’s education and outreach programs.

1/25/2024 3:02:42 PM

**Activity Name: Soil Erosion - BMP Cost Share - Non Structural**

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

**Staff time?:** No

**Description:** Funds will be used to cost share the installation of soil health and water quality conservation practices. Practices will reduce erosion, increase habitat and maintain and enhance water storage and infiltration.

**Budget Details**

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$2,426.64	\$2,426.64	\$0.00	06/08/2023	N

**Actual Results**

**Results** **Date Added**

11/2/2021 3:23:53 PM

#2022-11-01 - Carlson - The Sherburne SWCD provided cost share for upland short dry native prairie mix on 2.25 acres.

1/26/2024 1:30:29 PM

#2022-10-02 - Davis - The Sherburne SWCD provided cost share for tallgrass native prairie mix on 9 acres.

**Final Indicators**

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Soil (Est. Savings)	29.448	Tons/Yr

Activity Action Name: #2022-10-02-Davis, A	Activity Count: 1
Practice Type: 643 - Restoration and Management of Declining Habitats	Size/Units: 9 - Acres
TA Provider/JAA: SWCD	Lifespan: 10 Years
Practice Description: Prairie restoration, 643, planted upland dry prairie in partnership with USFWS.	Install Date: 11/15/2022
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	27	WEPS (Wind Erosion Prediction System)	Elk River

Activity Action Name: #2022-11-01-Carlson, Nic	Activity Count: 1
Practice Type: 643 - Restoration and Management of Declining Habitats	Size/Units:
TA Provider/JAA: SWCD	Lifespan: 10 Years
Practice Description:	Install Date: 05/22/2023
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	2.448	WEPS (Wind Erosion Prediction System)	Rum River

**Activity Name: Soil Erosion – Staff**

**Activity Category:** Technical/Engineering Assistance **Staff time?:** Yes

**Description:** Funds will be used towards technical assistance for the establishment of native habitat that is less likely to erode from wind or water. This would include urban and rural landscapes and target native prairies.

**Budget Details**

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$30,000.00	\$30,000.00	\$0.00	10/01/2022	N
<b>Actual Results</b>						
<u>Results</u>						<u>Date Added</u>
Funds were used towards technical assistance for the establishment of native habitat. This includes urban and rural landscapes and targeted native prairies.						11/2/2021 3:20:39 PM
						1/25/2024 3:11:08 PM

<b>Activity Name: WST - Habitat Restoration – Staff</b>						
<b>Activity Category:</b> Technical/Engineering Assistance					<b>Staff time?:</b> Yes	
<b>Description:</b> Funds will be used to assist private and public landowners in maintaining a healthy ecosystem with a focus on forest management, vegetative disease and invasive species control/mitigation, climate change resilience and vegetative quality						
<b>Budget Details</b>						
<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$20,000.00	\$20,000.00	\$0.00	11/26/2022	N
<b>Actual Results</b>						
<u>Results</u>						<u>Date Added</u>
1/27/2022 - Funds were used to assist private and public landowners in maintaining a healthy ecosystem with a focus on forest management, vegetative disease and invasive species control/mitigation, climate change resilience and vegetative quality.						11/2/2021 3:19:56 PM

## Activity Name: Well Sealing

Activity Category: Groundwater

Staff time?: No

Description: funds will be used to seal unused or abandoned wells - 50% cost share not to exceed \$1000

### Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2022 - SWCD Local Capacity Services (Sherburne SWCD)	\$813.70	\$813.75	(\$0.05)	11/16/2023	N

### Actual Results

Results Date Added

The Sherburne SWCD worked with two landowners to seal unused wells.

1/26/2024 1:28:10 PM

Activity Action Name: Herbst - FY23-WS-14	Activity Count: 1
Practice Type: 351 - Well Decommissioning	Size/Units: 1 - Count
TA Provider/JAA: Private Consultant	Lifespan: In Perpetuity
Practice Description: Well Sealing of abandoned unused well	Install Date: 09/13/2023
	Mapped: Yes

Activity Action Name: Carver - FY23-WS-15	Activity Count: 1
Practice Type: 351 - Well Decommissioning	Size/Units:
TA Provider/JAA: Private Consultant	Lifespan: In Perpetuity
Practice Description: Well Decommissioning	Install Date: 11/16/2023
	Mapped: Yes