



# Grant Progress Report

## SWCD Local Capacity Services 2021

**Grant Title:** 2021 - SWCD Local Capacity Services (Carver SWCD)

**Grant Award (\$):** \$122,548.00

**Grant Execution Date:** 02/01/2021

**Grant ID:** P21-2689

**Required Match (%):** 0

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

**Grantee:** Carver SWCD

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

**Fiscal Agent:**

**Grant Day-to-Day Contact:** Mike Wanous

	Total Budgeted	Total Spent	Balance Remaining*
<b>Grant Funds</b>	\$122,548.00	<b>\$118,345.60</b>	\$4,202.40
<b>Match Funds</b>	\$0.00	<b>\$0.00</b>	\$0.00
<b>Other Funds</b>	\$0.00	<b>\$0.00</b>	\$0.00
<b>Total</b>	\$122,548.00	<b>\$118,345.60</b>	\$4,202.40

\*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	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
Soil Erosion - 2021 Soil Health cost share	Agricultural Practices	Current State Grant	2021 - SWCD Local Capacity Services (Carver SWCD)	\$20,000.00	\$19,890.85	\$109.15	N
WST - 2021 Pollinator Cost Share	Special Projects	Current State Grant	2021 - SWCD Local Capacity Services (Carver SWCD)	\$20,000.00	\$15,906.75	\$4,093.25	N
WST - 2021 Pollinator	Technical/Engineering	Current State Grant	2021 - SWCD Local Capacity Services	\$22,548.00	\$22,548.00	\$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>
Staff	Assistance		(Carver SWCD)				
WST - 2021 technical assistance staff	Technical/Engineering Assistance	Current State Grant	2021 - SWCD Local Capacity Services (Carver SWCD)	\$40,000.00	\$40,000.00	\$0.00	N
Soil Erosion - 2021 Soil Health staff	Technical/Engineering Assistance	Current State Grant	2021 - SWCD Local Capacity Services (Carver SWCD)	\$20,000.00	\$20,000.00	\$0.00	N

### Indicator Summary

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
---------------------------	---------------------------	--------------------	-------------

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Pathogens (E. Coli)	35.6	Cfu
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	78.95	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	102.75	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	7.5	Lbs/Yr

## Grant Activities

### Activity Name: Soil Erosion - 2021 Soil Health cost share

**Activity Category:** Agricultural Practices

**Staff time?:** No

**Description:** Provide cost share and incentives for landowners enrolling in the soil health program

#### 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	2021 - SWCD Local Capacity Services (Carver SWCD)	\$20,000.00	\$19,890.85	\$109.15	12/26/2023	N

#### Actual Results

In 2023, projects funded under this activity included cover crop contracts and a WASCOB/grassed waterway project. See results in the activity details section.

#### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	102.75	Tons/Yr
Phosphorus (Est. Reduction)	78.95	Lbs/Yr
Pathogens (E. Coli)	35.6	Cfu

Activity Action Name:	Joel Vinkemeier	Activity Count: 1
Practice Type:	410 - Grade Stabilization Structure	Size/Units: 520 - Cfu
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	The purpose of this project is to construct a water and sediment basin totaling 460 linear feet, and a grade stabilization embankment totaling 60 linear feet to address gully erosion that is occurring adjacent to cropland. This project will eliminate a head-cut from advancing into the cropland which is contributing sediment loading to the South Fork Crow River. Construction of the water and sediment basin and grade stabilization will result in an estimated annual reduction of 26.2 tons of sediment and 35.6 lbs of phosphorus.	Install Date: 11/21/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Pathogens (E. Coli)	Cfu	35.6	Bwsr Calc (Filter Strip)	Crow River, South Fork
Sediment (Tss)	Tons/Yr	26.2	Bwsr Calc (Filter Strip)	Crow River, South Fork

Activity Action Name:	Elmer Hartmann	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 63 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Elmer Hartmann established a cover crop of Winter Cereal Rye on 63 acres as a green manure for his 2023 crop. The cover crop mix was seeded following corn and soybean harvest on November 5th, 2022 at 1.6 bu. per acre to improve soil health. This cover crop will also improve soil structure, add and scavenge nutrients, compete with weeds and provide additional water quality benefits as well.	Install Date: 11/05/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	1	Unknown	Bevens Creek

Activity Action Name:	Kevin Sons	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 22 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Kevin Sons established a multi-species cover crop mix of wheat, turnips and radish on 22 acres to diversify current management practices. The Cover crop mix was seeded in late August following wheat harvest to improve soil health and will be terminated by means of winterkill or by herbicide in the spring of 2024. This mix will also improve soil structure, scavenge nutrients, compete with weeds and provide additional water quality benefits as well.	Install Date: 08/24/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	22	Other	MN River
Phosphorus (Est. Reduction)	Lbs/Yr	22	Other	MN River

Activity Action Name:	Jeff Sons - Year 3	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 34 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Jeff Sons established a multi-species cover crop blend on 34.0 acres to diversify current management practices. The Cover crop mix will improve soil health by improving soil structure, scavenging nutrients, compete with weeds and provide additional water quality benefits as well. No-till seeding is occurred immediately after soybean harvest and was planted in October, 2023.	Install Date: 10/12/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	34	Other	MN River
Sediment (Tss)	Tons/Yr	34	Other	MN River

Activity Action Name:	Dennis Schrupp WASCOB	Activity Count: 2
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 330 - Acre-Feet/Yr
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	The purpose of this project is to construct a water and sediment control basin and grassed waterway (totaling 330 linear feet) to address gully erosion that is occurring in the cropland. Ephemeral and gully erosion has been occurring in the cropland following recent rain events which has been contributing a significant sediment load to downstream areas. Construction of the waterway and water & sediment control will result in an estimated annual reduction of 20.55 tons of sediment and 21.95 lbs of phosphorus.	Install Date: 11/06/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	21.95	Bwsr Calc (Filter Strip)	South Fork Crow River
Sediment (Tss)	Tons/Yr	20.55	Bwsr Calc (Filter Strip)	South Fork Crow River

<b>Activity Name: Soil Erosion - 2021 Soil Health staff</b>	
<b>Activity Category:</b> Technical/Engineering Assistance	<b>Staff time?:</b> Yes
<b>Description:</b> Technical assistance for implementing the soil health program	
<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	2021 - SWCD Local Capacity Services (Carver SWCD)	\$20,000.00	\$20,000.00	\$0.00	02/13/2023	N

**Actual Results**

Under this activity in 2023 staff time was spent providing technical assistance under the soil health category. Staff time was: Ben = 3 hours, Terry = 54.5 hours

**Activity Name: WST - 2021 Pollinator Cost Share**

**Activity Category:** Special Projects

**Staff time?:** No

**Description:** Provide cost share for the Pollinator program for landowners and LGU's to convert areas to pollinator friendly habitat.

**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	2021 - SWCD Local Capacity Services (Carver SWCD)	\$20,000.00	\$15,906.75	\$4,093.25	11/20/2023	N

**Actual Results**

under this activity, 5 additional native planting projects were funded in 2023, see details in activity details.

**Final Indicators**

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	7.5	Lbs/Yr

Activity Action Name:	Minnewashta Landings Assoc.	Activity Count: 1
Practice Type:	390 - Riparian Herbaceous Cover	Size/Units: 387 - Cfu/Yr
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	The Minnewashta Landings Association will be converting turf along the shoreline to a native plant shoreline. Currently there is a large amount of water that flows through the turf area directly into Lake Minnewashta. The buffer will provide filtering and enhance infiltration before the water enters the lake. The buffer will be an example to residents around the lake of an alternative to a turf shoreline. The planting will be maintained regularly by professionals.	Install Date: 11/01/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	1	Literature Value	Lake Minnewashta

Activity Action Name:	Maria Knight	Activity Count: 1
Practice Type:	390 - Riparian Herbaceous Cover	Size/Units: 1350 - Cfu/Yr
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	The homeowners replaced 1,350 SF of turf shoreline with a native plant habitat. Shoreline turf was killed with aquatic safe herbicide and planted with native plugs 18" on center throughout the area. Plants were selected to provide nectar sources throughout the entire growing season. The buffer area is approximately 15' wide and 90' long providing an excellent runoff filter for surrounding road and turf areas. The homeowners have contracted 2 years of maintenance with Natural Shore Technologies to assure establishment.	Install Date: 11/07/2022
		Mapped: Yes



Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	1	Literature Value	Lake Minnewashta

<p>Activity Action Name: Pollinator-Cathy Black</p> <p>Practice Type: 390 - Riparian Herbaceous Cover</p> <p>TA Provider/JAA: SWCD</p> <p>Practice Description: Cathy replaced her Kentucky bluegrass turf shoreline with a native shoreline habitat. The lawn area previously flowed directly into Lake Minnewashta. Now the 10' bufer will help flter runoff from the house and lawn before it gets into the lake. The plants selected are well suited for the area and provide a variety of blooms throughout the growing season.</p> <p>The homeowner is excited to have finally replaced the turf with something that will provide an example to neighbors of a healthy shoreline.</p>	<p>Activity Count: 1</p> <p>Size/Units:</p> <p>Lifespan: 10 Years</p> <p>Install Date: 08/31/2023</p> <p>Mapped: Yes</p>
---	--

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	1	Literature Value	Lake Minnewashta

Activity Action Name:	Judy Hart	Activity Count: 1
Practice Type:	645 - Upland Wildlife Habitat Management	Size/Units: 1.5 - Acres
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Judy Hart increased an existing prairie in a formerly mowed clover field. The new prairie area was planted directly north of an existing 2 acre prairie, which was put in 5 years ago. Resource Environmental Services was contracted to complete prep work as well as seeding. Judy also added diversity with collected seeds from Fall of 2022. This project is an excellent expansion of an existing native planting and will be a great example for people that want to do large residential pollinator projects.	Install Date: 06/30/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	1.5	Literature Value	MN River

Activity Action Name:	Pollinator-St. Hubert	Activity Count: 1
Practice Type:	645 - Upland Wildlife Habitat Management	Size/Units:
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	St. Hubert's have been integrating native plantings throughout the church campus. They have a large turf area that they converted into a pollinator habitat. They also regraded the area, to hold more snow runoff. Excess soil was used to create berms along the city sidewalk.	Install Date: 08/31/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	1	Literature Value	MN River

Activity Action Name:	Pollinator-Tracy Peterson	Activity Count: 1
Practice Type:	645 - Upland Wildlife Habitat Management	Size/Units:
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Homeowners have replaced a grass strip in their front yard to create additional pollinator habitat. The strip of sod was removed with a sod cutter and replaced with a combination of native seed and plugs. The homeowners have experience creating native plant gardens having established another one in their backyard. They hope the new front yard garden serves as a neighborhood example of an alternative to a typical turf yard.	Install Date: 07/31/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	1	Literature Value	MN River

Activity Action Name:	Pollinator-Campbell	Activity Count: 1
Practice Type:	645 - Upland Wildlife Habitat Management	Size/Units: 0.31 - Acres
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	The homeowners want to improve habitat and water quality around their house. They plan to remove existing turf and ash trees and establish a native meadow.	Install Date: 08/16/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	1	Literature Value	Lake Minnetonka

## Activity Name: WST - 2021 Pollinator Staff

Activity Category: Technical/Engineering Assistance

Staff time?: Yes

Description: Staff technical assistance for implementing the pollinator program.

### 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	2021 - SWCD Local Capacity Services (Carver SWCD)	\$22,548.00	\$22,548.00	\$0.00	07/31/2022	N

### Actual Results

no new activity for 2023, funds spent.

## Activity Name: WST - 2021 technical assistance staff

Activity Category: Technical/Engineering Assistance

Staff time?: Yes

Description: Staff technical assistance working with landowners to identify and implement ideal locations for BMP's to hold and treat stormwater.

### 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	2021 - SWCD Local Capacity Services (Carver SWCD)	\$40,000.00	\$40,000.00	\$0.00	05/31/2022	N

### Actual Results

No new activity for 2023, funds spent.