



# Grant Progress Report

## Watershed Based Implementation JAN 2021

**Grant Title:** 2021 Metro WBIF – Lower MN North – Carver SWCD – Lake Waconia SWA Implementation

**Grant Award (\$):** \$40,000.00

**Grant Execution Date:** 03/24/2021

**Grant ID:** C21-1746

**Required Match (%):** 10

**Grant End Date:** 12/31/2025

**Grantee:** Carver SWCD

**Required Match (\$):** \$4,000.00

**Fiscal Agent:** Carver SWCD

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

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$40,000.00	\$28,370.85	\$11,629.15
Match Funds	\$4,000.00	\$2,485.65	\$1,514.35
Other Funds	\$0.00	\$0.00	\$0.00
Total	\$44,000.00	\$30,856.50	\$13,143.50

\*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?
Lake Waconia BMP's	Agricultural Practices	Local Fund	Carver WMO and/or landowner match	\$4,000.00	\$2,485.65	\$1,514.35	Y
Lake Waconia BMP's	Agricultural Practices	Current State Grant	2021 Metro WBIF – Lower MN North – Carver SWCD – Lake Waconi..	\$40,000.00	\$28,370.85	\$11,629.15	N

## Indicator Summary

Indicator Category	Proposed Indicator	Total Value	Unit
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	434	Lbs/Yr

Indicator Category	Final Indicator	Total Value	Unit
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	118.5	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	89.05	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	16.35	Tons/Yr

## Grant Activities

### Activity Name: Lake Waconia BMP's

**Activity Category:** Agricultural Practices

**Staff time?:** No

**Description:** Provide cost share assistance to landowners for installation of BMP's identified in the SWA.

Milestones - Spring/Summer 2021 = outreach to landowners identified in SWA to get project commitments

Fall 2021 - Fall 2022 = project installations

Spring 2023 - Fall 2023 = finish all grant expenditures and reporting requirements.

### Budget Details

Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Local Fund	Carver WMO and/or landowner match	\$4,000.00	\$2,485.65	\$1,514.35	11/21/2024	Y
Current State Grant	2021 Metro WBIF – Lower MN North – Carver SWCD – Lake Waconi..	\$40,000.00	\$28,370.85	\$11,629.15	12/30/2024	N

## Actual Results

1/4/2024 - A repair was made to the grassed waterways installed in the fall of 2022. The fast snow melt and heavy rains in spring of 2023 caused some erosion issues that needed to be fixed on the newly installed waterways.

Another grassed waterway was scheduled to be installed in the fall of 2023, but was delayed due to weather. This waterway will be installed in 2024.

1/22/2025 - This is a progress report for 2024. In 2024 two additional grassed waterways were installed, along with two soil health/cover crop contracts. The details of these BMPs are included in the activity details. This grant received a one year extension with a new expiration date of 12/31/2025. Landowner match funds are reported under the Local Fund activity and grant dollar funds are reported under the Current State Grant activity.

## Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Soil (Est. Savings)	16.35	Tons/Yr
Sediment (Tss)	89.05	Tons/Yr
Phosphorus (Est. Reduction)	118.5	Lbs/Yr

Activity Action Name:	Steiner 1997 Real Estate LP	Activity Count: 2
Practice Type:	412 - Grassed Waterway and Swales	Size/Units: 1275 - Linear Feet
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	The purpose of this project is to construct two grassed waterways totaling 1,275 linear feet to address gully erosion that is occurring in the cropland. Substantial erosion is occurring adjacent to two old waterways that have become overgrown. These projects were identified in the Waconia Subwatershed Assessment and ranked as project #14 and #25 in the project priority ranking. Construction of the waterways will result in an estimated annual reduction of 36.6 tons of sediment and 34.3 lbs of phosphorus from entering a wetland that drains to Lake Waconia.	Install Date: 11/07/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	34.3	Bwsr Calc (Sheet And Rill)	Lake Waconia
Sediment (Tss)	Tons/Yr	36.6	Bwsr Calc (Sheet And Rill)	Lake Waconia

Activity Action Name:	Jennifer Siewert Cover Crop	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 50 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	The cover crop mix will be planted in August as prevent plant acres due to the wet spring conditions. The cover crop will not be terminated until spring of 2025, prior to establishing a cash crop of corn and soybeans.	Install Date: 08/19/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	37.6	Rusle2 (Updated)	Lake Waconia
Sediment (Tss)	Tons/Yr	22.6	Rusle2 (Updated)	Lake Waconia

Activity Action Name:	Hoese Dairy Cover Crop	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 50 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Eric Hoese is establishing a multi-species cover crop mix of oats and radish on 50 acres. The cover crop mix will be planted in August as prevent plant acres due to the wet spring conditions. The cover crop will not be terminated until spring of 2025, prior to establishing a cash crop of corn and soybeans.	Install Date: 08/19/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	13.5	Rusle2 (Updated)	Lake Waconia
Phosphorus (Est. Reduction)	Lbs/Yr	25	Rusle2 (Updated)	Lake Waconia

Activity Action Name:	BMP - Grasses Waterway	Activity Count: 3
Practice Type:	412 - Grassed Waterway and Swales	Size/Units:
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:		Install Date:
		Mapped: No

Activity Action Name:	BMP - Wetland Restoration	Activity Count: 1
Practice Type:	635 - Vegetated Treatment Area	Size/Units:
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	Note - Wetland restoration (657) does not show up in the "Practice" list above. Chose the closest practice instead	Install Date:
		Mapped: No

Activity Action Name:	Jennifer Siewert	Activity Count: 2
Practice Type:	412 - Grassed Waterway and Swales	Size/Units: 890 - Acres
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	The purpose of this project is to construct two grassed waterways totaling 890 linear feet to address ephemeral and gully erosion that is occurring in the cropland. Erosion is occurring in areas of cropland with slopes between 5% and 18%.	Install Date: 10/28/2024
		Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	16.35	Bwsr Calc (Filter Strip)	Lake Waconia
Phosphorus (Est. Reduction)	Lbs/Yr	21.6	Bwsr Calc (Filter Strip)	Lake Waconia
Sediment (Tss)	Tons/Yr	16.35	Bwsr Calc (Filter Strip)	Lake Waconia

Activity Action Name:	BMP - Buffer/Filter Strip	Activity Count: 10
Practice Type:	393 - Filter Strip	Size/Units:
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:		Install Date:
		Mapped: No