



# Grant Progress Report

## Watershed Based Implementation JAN 2021

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

**Grant ID:** C21-1746

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

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

**Grantee:** Carver SWCD

**Required Match (%):** 10

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

**Fiscal Agent:** Carver SWCD

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

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

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$40,000.00	\$38,982.85	\$1,017.15
Match Funds	\$4,000.00	\$5,350.20	(\$1,350.20)
Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$44,000.00</b>	<b>\$44,333.05</b>	<b>(\$333.05)</b>

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

<b>Project Abstract</b>	A sub-watershed analysis was completed for the lakeshed that drains to Lake Waconia that identified a total of 84 projects that could be installed to improve water quality. This grant will target the top 15 projects for BMP installation based on cost-benefit. Lake Waconia is just under the state impairment threshold so this grant will go a long way to protecting the highest priority lake in Carver County.
<b>Proposed Measurable Outcomes</b>	If each of the top 15 BMP's are installed the grant will successfully fund projects that reduce TP discharging to Lake Waconia by 434 pounds. Results may vary based on landowner participation.

## Budget Details

<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>
Lake Waconia BMP's	Agricultural Practices	Local Fund	Carver WMO and/or landowner match	\$4,000.00	\$5,350.20	(\$1,350.20)	Y
Lake Waconia BMP's	Agricultural Practices	Current State Grant	2021 Metro WBIF – Lower MN North – Carver SWCD – Lake Waconi..	\$40,000.00	\$38,982.85	\$1,017.15	N

## Indicator Summary

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

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	186.98	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	123.78	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.  
 \*Added workplan amendment - CRP incentive to landowners that enroll in the Continuous Conservation Reserve Program. The incentive payment will be consistent with the CRP Incentive Policy adopted by the Carver SWCD Board and will address cropland runoff within the watershed that drains to Lake Waconia. Field conversions to perennial deep-rooted vegetation through programs such as CRP represent a rare combination of landowner willingness, and program eligibility, to reduce nutrient loading to Lake Waconia.

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**

<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>
Local Fund	Carver WMO and/or landowner match	\$4,000.00	\$5,350.20	(\$1,350.20)	11/17/2025	Y
Current State Grant	2021 Metro WBIF – Lower MN North – Carver SWCD – Lake Waconi..	\$40,000.00	\$38,982.85	\$1,017.15	11/17/2025	N

**Actual Results**

<u>Results</u>	<u>Date Added</u>
	3/8/2021 2:14:26 PM
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.	1/4/2024 2:21:46 PM
1/22/2025 - This is a progress report for 2024. In 2024 two additional grassed waterways were installed, along with two soil health/cover	1/22/2025 2:43:04 PM

**Results**

**Date Added**

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.

1/05/2026 - In 2025 there was a workplan amendment to allow for incentive payment for CRP enrollment, consistent with our policy for the CRP Statewide Incentive Grant. All grant activities are now completed, this is the final grant report. 1/5/2026 1:30:17 PM

**Final Indicators**

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Soil (Est. Savings)	16.35	Tons/Yr
Sediment (Tss)	123.78	Tons/Yr
Phosphorus (Est. Reduction)	186.98	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:	CRP07-Rademacher Marvin	Activity Count: 1
Practice Type:	327 - Conservation Cover	Size/Units: 10.06 - Acres
TA Provider/JAA:	NRCS	Lifespan: 10 Years
Practice Description:	Continuous CRP - Restoration of Rare or Declining Communities, Upland Wildlife Habitat Management.	Install Date: 11/17/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	4.41	Bwsr Calc (Filter Strip)	Lake Waconia
Phosphorus (Est. Reduction)	Lbs/Yr	9.59	Bwsr Calc (Filter Strip)	Lake Waconia

Activity Action Name:	CRP08-Rademacher Joann	Activity Count: 1
Practice Type:	327 - Conservation Cover	Size/Units: 38.16 - Acres
TA Provider/JAA:	NRCS	Lifespan: 10 Years
Practice Description:	Continuous CRP - Restoration of Rare or Declining Communities, Upland Wildlife Habitat Management.	Install Date: 11/17/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	29.72	Bwsr Calc (Filter Strip)	Lake Waconia
Phosphorus (Est. Reduction)	Lbs/Yr	57.54	Bwsr Calc (Filter Strip)	Lake Waconia

Activity Action Name:	CRP09-Peters Marilu	Activity Count: 1
Practice Type:	327 - Conservation Cover	Size/Units: 1.62 - Acres
TA Provider/JAA:	NRCS	Lifespan: 10 Years
Practice Description:	CRP - Restoration of Rare or Declining Communities, Upland Wildlife Habitat Management.	Install Date: 11/17/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	1.35	Bwsr Calc (Filter Strip)	Lake Waconia
Sediment (Tss)	Tons/Yr	0.6	Bwsr Calc (Filter Strip)	Lake Waconia

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: Yes

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 - 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:	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