



Grant Progress Report

Watershed Based Implementation JAN 2021

Grant Title: 2021 Metro WBIF – South Fork Crow – Carver SWCD – Eagle Lake SWA Implementation

Grant ID: C21-7506

Grant Award (\$): \$60,000.00

Grant Execution Date: 03/24/2021

Grantee: Carver SWCD

Required Match (%): 10

Grant End Date: 12/31/2025

Fiscal Agent: Carver SWCD

Required Match (\$): \$6,000.00

Grant Day-to-Day Contact: Mike Wanous

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$60,000.00	\$60,000.00	\$0.00
Match Funds	\$6,180.40	\$6,887.10	(\$706.70)
Other Funds	\$0.00	\$0.00	\$0.00
Total	\$66,180.40	\$66,887.10	(\$706.70)

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

Project Abstract	The Carver SWCD completed a Sub-Watershed Analysis (SWA) for the watershed draining to Eagle Lake. The SWA identified Best Management Practices (BMPs) that could be implemented to help improve water quality in the lake. The grant will be used to implement those BMPs identified in the SWA. BMPs have been prioritized by cost benefit analysis, landowners will be contacted starting with the highest ranking BMP first. This grant will target the top 26 identified BMPs.
Proposed Measurable Outcomes	This grant will be used to target the top 26 BMP sites for the Eagle Lake watershed. If all BMPs are installed, the total phosphorus reduction over a ten year period would be 308.4 pounds.

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>
Eagle Lake BMPs	Agricultural Practices	Local Fund	WMO	\$4,376.40	\$5,083.10	(\$706.70)	Y
Wetland restorations	Wetland Restoration/Creation	Local Fund	Carver County WMO	\$1,804.00	\$1,804.00	\$0.00	Y
Eagle Lake BMPs	Agricultural Practices	Current State Grant	2021 Metro WBIF – South Fork Crow – Carver SWCD – Eagle Lake..	\$43,764.00	\$43,764.00	\$0.00	N
Wetland restorations	Wetland Restoration/Creation	Current State Grant	2021 Metro WBIF – South Fork Crow – Carver SWCD – Eagle Lake SWA Implementation	\$16,236.00	\$16,236.00	\$0.00	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)	30.84	Lbs/Yr

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	37.19	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	35.04	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	35.04	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	8.8	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	9.6	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	9.2	Tons/Yr

Grant Activities

Activity Name: Eagle Lake BMPs

Activity Category: Agricultural Practices **Staff time?:** No

Description: Install BMPs on sites identified in the SWA.

Grant funds will be used to pay for BMPs.

Milestones - Spring/summer 2021 = landowner outreach to get commitment to projects.

Fall 2021 - Fall 2022 = Project installations

Spring 2023 - Fall 2023 = Finalize projects and grant reporting.

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 Metro WBIF – South Fork Crow – Carver SWCD – Eagle Lake..	\$43,764.00	\$43,764.00	\$0.00	12/19/2025	N
Local Fund	WMO	\$4,376.40	\$5,083.10	(\$706.70)	12/19/2025	Y

Actual Results

<u>Results</u>	<u>Date Added</u>
1/10/2023 - Staff have been engaging with landowners on potential BMPs. More work to be done in 2023.	3/10/2021 2:53:34 PM
1/4/2024 - Engineering designs are being completed for a bioreactor and a terrace in the Eagle Lake watershed. A grant amendment was approved to allow for project installations in 2024. Although we are behind schedule, we are confident that BMP's will go in the ground in 2024.	1/4/2024 1:16:39 PM
1/23/2025 - progress report for 2024. A large terrace/WASCOB structure was ready for construction but got delayed - it should be completed in 2025. The grant deadline was extended to 12/31/2025.	1/23/2025 8:40:40 AM
1/05/2026 - The two large terrace systems (water and sediment control structures built on the contour) are now installed and completed. Other projects were completed in this sub-watershed of Eagle Lake, but they were done with funding through the South Fork Crow River 1W1P and will not be reported through this grant. The match for this particular project was provided by the landowner.	1/5/2026 10:48:55 AM

Final Indicators		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	37.19	Lbs/Yr
Soil (Est. Savings)	35.04	Tons/Yr
Sediment (Tss)	35.04	Tons/Yr

Activity Action Name:	Ed Lind WASCB	Activity Count: 2
Practice Type:	600 - Terrace	Size/Units: 1850 - Linear Feet
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	The purpose of this project is to construct 2 Water & Sediment Control Basins (terraces) totaling 1,850 linear feet, to address ephemeral and gully erosion that is occurring in the cropland. Signification erosion has been occurring and the installation of a WASCB/terrace system is needed to eliminate further erosion.	Install Date: 12/15/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	35.04	Bwsr Calc (Filter Strip)	South Fork Crow River
Phosphorus (Est. Reduction)	Lbs/Yr	37.19	Bwsr Calc (Filter Strip)	South Fork Crow River
Sediment (Tss)	Tons/Yr	35.04	Bwsr Calc (Filter Strip)	South Fork Crow River

Activity Action Name:	BMP - WASCOB	Activity Count: 2
Practice Type:	638 - Water and Sediment Control Basin	Size/Units:
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:		Install Date:
		Mapped: No

Activity Action Name: BMP - Buffers	Activity Count: 7
Practice Type: 393 - Filter Strip	Size/Units:
TA Provider/JAA: SWCD	Lifespan: 10 Years
Practice Description:	Install Date:
	Mapped: No

Activity Action Name: BMP - Grassed waterways	Activity Count: 8
Practice Type: 412 - Grassed Waterway and Swales	Size/Units:
TA Provider/JAA: SWCD	Lifespan: 10 Years
Practice Description:	Install Date:
	Mapped: No

Activity Name: Wetland restorations						
Activity Category: Wetland Restoration/Creation					Staff time?: No	
Description: Wetland and adjacent upland restoration.						
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 Metro WBIF – South Fork Crow – Carver SWCD – Eagle Lake SWA Implementation	\$16,236.00	\$16,236.00	\$0.00	12/19/2024	N
Local Fund	Carver County WMO	\$1,804.00	\$1,804.00	\$0.00	12/19/2024	Y
Actual Results						
<u>Results</u>	<u>Date Added</u>					
Wetland restorations and adjacent upland prairie restoration was completed in the fall of 2024 on the Dunbar property with funding from this 4/24/2025 1:12:57 PM						

Results**Date Added**

grant and local funds from the WMO.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	8.8	Lbs/Yr
Sediment (Tss)	9.6	Tons/Yr
Soil (Est. Savings)	9.2	Tons/Yr

Activity Action Name: Dunbar wetland restoration	Activity Count: 1
Practice Type: 657 - Wetland Restoration	Size/Units: 48.5 - Acres
TA Provider/JAA: SWCD	Lifespan: 10 Years
Practice Description: Wetland restorations and adjacent upland prairie restoration on the William Dunbar property.	Install Date: 11/29/2024
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	8.8	Bwsr Calc (Filter Strip)	Crow River
Soil (Est. Savings)	Tons/Yr	9.2	Bwsr Calc (Filter Strip)	Crow River
Sediment (Tss)	Tons/Yr	9.6	Bwsr Calc (Filter Strip)	Crow River