



# Grant Progress Report

## Projects and Practices 2023

**Grant Title:** 2023 - Twelve Mile Creek Conservation Practice Implementation

**Grant ID:** C23-9488

**Grantee:** Wright SWCD

**Fiscal Agent:** Wright SWCD

**Grant Day-to-Day Contact:** Luke Johnson

**Grant Award (\$):** \$420,000.00

**Required Match (%):** 25

**Required Match (\$):** \$105,000.00

**Grant Execution Date:** 08/09/2023

**Grant End Date:** 12/31/2026

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$420,000.00	\$268,282.73	\$151,717.27
Match Funds	\$150,000.00	\$132,867.49	\$17,132.51
Other Funds	\$187,000.00	\$126,846.04	\$60,153.96
<b>Total</b>	<b>\$757,000.00</b>	<b>\$527,996.26</b>	<b>\$229,003.74</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>	<p>Wright Soil and Water Conservation District is requesting funding to implement targeted practices identified within the Twelve Mile Creek Subwatershed, a contributing area to the North Fork Crow River within the Upper Mississippi River Basin. This subwatershed has been identified as a priority in the North Fork Crow River Comprehensive Watershed Management Plan (CWMP) and selected for a MPCA Section 319 Small Watershed Focus grant. Identified restoration goals include meeting the sediment and phosphorus water quality standards, primarily for reaches of Twelve Mile Creek, as well as the interconnected Ann, Dog, Dutch, Emma, Howard, and Little Waverly lakes.</p> <p>In 2021, the District completed a subwatershed assessment to identify the most effective locations for water quality improvement projects within the HUC 12 (070102040605) area. The goal for proposed practices is to improve the quality of water entering the North Fork Crow River from Twelve Mile Creek by reducing sediment and total phosphorous, which in turn</p>
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will help elevate dissolved oxygen levels through construction of targeted best management practices (BMPs). The District selected and ranked 24 potential project areas for additional field evaluation, design and construction. Priority practices include water and sediment control basins (WASCOBs), grassed waterways and filtration practices. Additional practices include, but are not limited to, cover crops, conservation tillage, nutrient management, shoreland restorations, sediment basins and critical area plantings.

This funding request seeks to implement approximately 13 targeted projects consisting of multiple BMPs. Proposed practices are estimated to reduce 2,898.4 tons of sediment and 584.1 lbs. of phosphorus based on PTMApp/ACPF estimates.

**Proposed Measurable Outcomes**

Reduce 2,898.4 tons of sediment per year (31% of 10-yr goal) and reduce 584.1 pounds of total phosphorus per year (9.95% of 10-yr goal) implementing approximately 13 projects consisting of multiple BMPs.

**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>
Admin/Coordination	Administration/Coordination	Current State Grant	2023 - Twelve Mile Creek Conservation Practice Implementation	\$8,000.00	\$7,850.50	\$149.50	N
Structural Practices Implementation	Agricultural Practices	Current State Grant	2023 - Twelve Mile Creek Conservation Practice Implementation	\$153,723.36	\$153,723.36	\$0.00	N
CWF Structural Practices Implementation	Agricultural Practices	Current State Grant	2023 - Twelve Mile Creek Conservation Practice Implementation	\$132,276.64	\$41,964.37	\$90,312.27	N
Non-Structural Practices Implementation	Non-Structural Management Practices	Current State Grant	2023 - Twelve Mile Creek Conservation Practice Implementation	\$28,000.00	\$1,850.00	\$26,150.00	N
Project Development	Project Development	Current State Grant	2023 - Twelve Mile Creek Conservation Practice Implementation	\$21,000.00	\$14,777.00	\$6,223.00	N
Technical/Engineering	Technical/Engineering	Current State Grant	2023 - Twelve Mile Creek Conservation	\$55,000.00	\$48,117.50	\$6,882.50	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>
Assistance	Assistance		Practice Implementation				
Consulting Technical/Engineering	Technical/Engineering Assistance	Current State Grant	2023 - Twelve Mile Creek Conservation Practice Implementation	\$22,000.00		\$22,000.00	N
Structural Practices Implementation - match	Agricultural Practices	Federal Funds	Federal Financial Assistance	\$80,000.00	\$70,090.15	\$9,909.85	Y
Structural Practices Implementation	Agricultural Practices	Federal Funds		\$187,000.00	\$126,846.04	\$60,153.96	Y
CWF Structural Practices Implementation	Agricultural Practices	Federal Funds	Federal Match	\$5,000.00		\$5,000.00	Y
Structural Practices Implementation	Agricultural Practices	Landowner Fund	Landowner Contribution	\$50,000.00	\$48,789.21	\$1,210.79	Y
CWF Structural Practices Implementation	Agricultural Practices	Landowner Fund	Landowner Contribution	\$15,000.00	\$13,988.13	\$1,011.87	Y

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Sediment (Tss)	724.6	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	438.1	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	146	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	2173.8	Tons/Yr

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Nitrogen	609.46	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	45.68	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	244.4	Tons/Yr
Water Pollution (Reduction Estimates)	Nitrogen	168.85	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	8.35	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	39.76	Tons/Yr
Water Pollution (Reduction Estimates)	Nitrogen	27.31	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	2.1	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	10.73	Tons/Yr

Indicator Category	Final Indicator	Total Value	Unit
Estimates)			

## Grant Activities

Activity Name: Admin/Coordination						
Activity Category: Administration/Coordination					Staff time?: Yes	
<p><b>Description:</b> Wright SWCD will:</p> <ol style="list-style-type: none"> <li>1. Review and approve the grant agreement.</li> <li>2. Submit reports to BWSR as prescribed.</li> <li>3. Track hours put toward grant Initiatives in Excel spreadsheet.</li> <li>4. Prepare contract forms and gather signatures.</li> <li>5. Make any modification to the grant in eLINK as needed.</li> </ol>						
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	2023 - Twelve Mile Creek Conservation Practice Implementation	\$8,000.00	\$7,850.50	\$149.50	12/31/2025	N
Actual Results						
<u>Results</u>					<u>Date Added</u>	
2023 - money spent went towards staff working through three project contracts, vouchers, and reporting.					2/6/2024 9:25:03 PM	
2024 - money spent went towards staff working through five project contracts, vouchers, and reporting.					1/30/2025 8:38:28 AM	
2025 - money spent went towards 1 completed project (contract/voucher/payment) and working through a few projects with producers for contracts for 2026.					1/28/2026 3:58:54 PM	

## Activity Name: CWF Structural Practices Implementation

**Activity Category:** Agricultural Practices

**Staff time?:** No

**Description:** Ten sites will be addressed utilizing multiple BMPs such as, but not limited to grade stabilization structures and water & sediment control basins. Native grasses and flowers will be planted on the earthen berms, subsurface drains will be installed to reduce peak flow output and rock stilling basins will be placed at the outlets.

### 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>
Federal Funds	Federal Match	\$5,000.00		\$5,000.00		Y
Current State Grant	2023 - Twelve Mile Creek Conservation Practice Implementation	\$132,276.64	\$41,964.37	\$90,312.27	10/13/2025	N
Landowner Fund	Landowner Contribution	\$15,000.00	\$13,988.13	\$1,011.87	10/13/2025	Y

### Actual Results

<u>Results</u>	<u>Date Added</u>
2 water and sediment control basins were installed early Fall 2025	11/17/2025 10:56:25 AM

### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	10.73	Tons/Yr
Phosphorus (Est. Reduction)	2.1	Lbs/Yr
Nitrogen	27.31	Lbs/Yr

Activity Action Name: Dutch Lake Dairy	Activity Count: 2
Practice Type: 638 - Water and Sediment Control Basin	Size/Units: 0 - Count
TA Provider/JAA: SWCD	Lifespan: 10 Years
Practice Description:	Install Date: 10/13/2025
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	27.31	PTMApp - Catchment	Howard Lake
Phosphorus (Est. Reduction)	Lbs/Yr	2.1	PTMApp - Catchment	Howard Lake
Sediment (Tss)	Tons/Yr	10.73	PTMApp - Catchment	Howard Lake

## Activity Name: Consulting Technical/Engineering

**Activity Category:** Technical/Engineering Assistance

**Staff time?:** Yes

**Description:** The SWCD, City of Howard Lake, and their Engineer Bolton & Menk, are working towards solutions for the cities' contribution of Phosphorus via stormwater into Howard Lake.

### 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	2023 - Twelve Mile Creek Conservation Practice Implementation	\$22,000.00		\$22,000.00		N

### Actual Results

**Results** **Date Added**

2025 - no money spent, however the City of Howard Lake has completed work with their consultant. We expect an invoice for \$15,520.50 and 1/29/2026 9:18:56 AM payment in February or March.

## Activity Name: Non-Structural Practices Implementation

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

**Staff time?:** No

**Description:** Funds will be used as incentive payments for enrolling acres into eligible management practices such as, but not limited to, cover crops, tillage practices, etc. Payments will follow SWCD board policy and CWF policy requirements for rates.

### 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	2023 - Twelve Mile Creek Conservation Practice Implementation	\$28,000.00	\$1,850.00	\$26,150.00	12/09/2024	N

### Actual Results

<u>Results</u>	<u>Date Added</u>
2024 - two contracts completed with 37 acres of cover crops being planted	1/29/2025 6:57:20 AM
2025 - no money spent	1/29/2026 9:18:03 AM

### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Nitrogen	168.85	Lbs/Yr
Phosphorus (Est. Reduction)	8.35	Lbs/Yr
Sediment (Tss)	39.76	Tons/Yr

Activity Action Name:	Chanlore Farm	Activity Count:	1
Practice Type:	340 - Cover Crop	Size/Units:	22 - Acres
TA Provider/JAA:	SWCD	Lifespan:	1 Year
Practice Description:	Cover Crop after silage	Install Date:	09/20/2024
		Mapped:	Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	26.02	PTMApp - Catchment	Private ditch
Nitrogen	Lbs/Yr	100.39	PTMApp - Catchment	private ditch
Phosphorus (Est. Reduction)	Lbs/Yr	4.96	PTMApp - Catchment	Private ditch

Activity Action Name:	Pat Bakeberg	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 15 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Cover crop after silage	Install Date: 09/22/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	68.46	PTMApp - Catchment	Lauzer's Lake
Phosphorus (Est. Reduction)	Lbs/Yr	3.39	PTMApp - Catchment	Lauzer's Lake
Sediment (Tss)	Tons/Yr	13.74	PTMApp - Catchment	Lauzers Lake

## Activity Name: Project Development

**Activity Category:** Project Development

**Staff time?:** Yes

**Description:** Wright SWCD will:

1. Contact prospective landowners to make them aware of grant funds and determine their interest in participating in the program.
2. Conduct preliminary site assessments to determine which conservation practices would be feasible and to generate a preliminary cost estimate.
3. Work with landowners on cost share options and grant requirements.
4. Work with partnering agencies to acquire other cost share funds.

### 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	2023 - Twelve Mile Creek Conservation Practice Implementation	\$21,000.00	\$14,777.00	\$6,223.00	12/31/2025	N

### Actual Results

<u>Results</u>	<u>Date Added</u>
2023 - making a list of projects, prioritizing, and started calling producers. Also trying to make the grant match within the first year of the grant by using MPCA 319 and EQIP funds which we achieved.	2/6/2024 9:12:34 PM
2024 - following up with the producer list made in 2023 to try and move to design phase.	1/30/2025 8:34:17 AM
2025 - following up with producers on interest and bring our engineering team out to meet them with preliminary designs. Also working with the Wright County Drainage Authority on more projects along CD 10.	1/28/2026 4:07:03 PM

## Activity Name: Structural Practices Implementation

Activity Category: Agricultural Practices

Staff time?: No

**Description:** Thirteen sites will be addressed utilizing multiple BMPs such as, but not limited to grade stabilization structures and water & sediment control basins. Native grasses and flowers will be planted on the earthen berms, subsurface drains will be installed to reduce peak flow output and rock stilling basins will be placed at the outlets.

### 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>
Landowner Fund	Landowner Contribution	\$50,000.00	\$48,789.21	\$1,210.79	12/31/2024	Y
Federal Funds		\$187,000.00	\$126,846.04	\$60,153.96	01/13/2025	Y
Current State Grant	2023 - Twelve Mile Creek Conservation Practice Implementation	\$153,723.36	\$153,723.36	\$0.00	01/13/2025	N

### Actual Results

<u>Results</u>	<u>Date Added</u>
13 water and sediment control basins were installed Fall of 2023	1/29/2024 9:26:06 AM
1 grassed waterway, 1 grade stabilization structure, 1 water and sediment control basin were installed in the Fall of 2024	1/29/2025 6:44:58 AM
No money spent in 2025	1/29/2026 9:11:15 AM

### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	45.68	Lbs/Yr
Nitrogen	609.46	Lbs/Yr
Sediment (Tss)	244.4	Tons/Yr

Activity Action Name:	Groos WaSCOBs	Activity Count: 1
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 1 - Count
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:		Install Date: 11/15/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	2.3	PTMApp - Catchment	County Ditch 10
Phosphorus (Est. Reduction)	Lbs/Yr	0.15	PTMApp - Catchment	County Ditch 10
Nitrogen	Lbs/Yr	2.89	PTMApp - Catchment	County Ditch 10

Activity Action Name:	Forsman Waterway	Activity Count: 1
Practice Type:	412 - Grassed Waterway and Swales	Size/Units: 0.64 - Acres
TA Provider/JAA:	NRCS	Lifespan: 10 Years
Practice Description:		Install Date: 10/21/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	4.71	PTMApp - Catchment	County Ditch 10
Phosphorus (Est. Reduction)	Lbs/Yr	0.61	PTMApp - Catchment	County Ditch 10
Nitrogen	Lbs/Yr	11.86	PTMApp - Catchment	County Ditch 10

Activity Action Name:	Kittock Grade Stab	Activity Count: 1
Practice Type:	410 - Grade Stabilization Structure	Size/Units: 1 - Count
TA Provider/JAA:	SWCD	Lifespan: 15 Years
Practice Description:		Install Date: 12/18/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	0.3	PTMApp - Catchment	Waverly Lake
Sediment (Tss)	Tons/Yr	4.48	PTMApp - Catchment	Waverly Lake
Nitrogen	Lbs/Yr	5.78	PTMApp - Catchment	Waverly Lake

Activity Action Name:	Bakeberg WaSCOBs	Activity Count: 9
Practice Type:	638 - Water and Sediment Control Basin	Size/Units:
TA Provider/JAA:	NRCS	Lifespan: 10 Years
Practice Description:		Install Date: 11/27/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	131.16	PTMApp - Catchment	12 Mile Creek
Sediment (Tss)	Tons/Yr	52.03	PTMApp - Catchment	12 Mile Creek
Phosphorus (Est. Reduction)	Lbs/Yr	9.41	PTMApp - Catchment	12 Mile Creek

Activity Action Name:	Gruenhagen WaSCOBs	Activity Count: 3
Practice Type:	638 - Water and Sediment Control Basin	Size/Units:
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:		Install Date: 12/07/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	34.22	PTMApp - Catchment	Howard Lake
Nitrogen	Lbs/Yr	444.09	PTMApp - Catchment	Howard Lake
Sediment (Tss)	Tons/Yr	175.16	PTMApp - Catchment	Howard Lake

Activity Action Name:	Brose WaSCOB	Activity Count: 1
Practice Type:	638 - Water and Sediment Control Basin	Size/Units:
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:		Install Date: 12/04/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	13.68	PTMApp - Catchment	County Ditch 10
Sediment (Tss)	Tons/Yr	5.72	PTMApp - Catchment	County Ditch 10
Phosphorus (Est. Reduction)	Lbs/Yr	0.99	PTMApp - Catchment	County Ditch 10

## Activity Name: Structural Practices Implementation - match

Activity Category: Agricultural Practices

Staff time?: No

Description: Match for grant

### 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>
Federal Funds	Federal Financial Assistance	\$80,000.00	\$70,090.15	\$9,909.85	12/31/2024	Y

## Activity Name: Technical/Engineering Assistance

Activity Category: Technical/Engineering Assistance

Staff time?: Yes

Description: Wright SWCD will:

1. Take part in the survey of the project sites for the participating landowners.
2. Assist in the engineered project design and drawing.
3. Be on-site for the practice implementation to verify proper installation.
4. Provide any necessary construction documentation and asbuilt information.

NRCS Practice Standards incorporated:

350 - Sediment Basin

378 - Pond

410 - Grade Stabilization Structure

620 - Underground Outlet

606 - Subsurface Drain

638 - Water and Sediment Control Basin

657 - Wetland Restoration

The staff working on the project include:

Michael Candler, SWCD Natural Resource Engineer

Dan Nadeau, SWCD Resource Conservationist

Luke Johnson, SWCD District Manager

Craig Peterson, NRCS Area Engineer

Katie Evans, NRCS Soil Conservation Technician

#### 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	2023 - Twelve Mile Creek Conservation Practice Implementation	\$55,000.00	\$48,117.50	\$6,882.50	12/31/2025	N

#### Actual Results

<u>Results</u>	<u>Date Added</u>
2023 - surveyed, designed, and watched construction on 13 water and sediment control basins.	2/6/2024 9:08:59 PM
2024 - surveyed, designed, watched construction on one grassed waterway, one grade stabilization structure, and one water and sediment control basin	1/30/2025 7:52:51 AM
2025 - surveyed, designed, watched construction on two water and sediment control basins and surveyed/started preliminary designs for 2026 projects	1/28/2026 4:40:06 PM