



# Grant Progress Report

## Projects and Practices 2020

**Grant Title:** 2020 Crow River Gully Stabilization to Reduce Turbidity Phase Four **Grant Award (\$):** \$175,000.00

**Grant Execution Date:** 04/23/2020

**Grant ID:** C20-7289

**Required Match (%):** 25

**Grant End Date:** 12/31/2023

**Grantee:** Wright SWCD

**Required Match (\$):** \$43,750.00

**Fiscal Agent:** Wright SWCD

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

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$175,000.00	\$134,126.99	\$40,873.01
Match Funds	\$44,000.00	\$146,533.82	(\$102,533.82)
Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$219,000.00</b>	<b>\$280,660.81</b>	<b>(\$61,660.81)</b>

\*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?
North Fork Crow River Structural Erosion Control Practices- Wright SWCD Admin/Coordination	Administration/Coordination	Current State Grant	2020 Crow River Gully Stabilization to Reduce Turbidity Phase Four	\$3,000.00	\$3,000.00	\$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>
North Fork Crow River Structural Erosion Control Practices	Agricultural Practices	Current State Grant	2020 Crow River Gully Stabilization to Reduce Turbidity Phase Four	\$140,000.00	\$101,964.49	\$38,035.51	N
North Fork Crow River Structural Erosion Control Practices	Agricultural Practices	Federal Funds	Federal Match	\$26,500.00	\$94,580.23	(\$68,080.23)	Y
North Fork Crow River Structural Erosion Control Practices	Agricultural Practices	Landowner Fund	Landowner Match	\$17,500.00	\$51,953.59	(\$34,453.59)	Y
North Fork Crow River Structural Erosion Control Practices–Wright SWCD Project Develop	Project Development	Current State Grant	2020 Crow River Gully Stabilization to Reduce Turbidity Phase Four	\$9,000.00	\$6,162.50	\$2,837.50	N
North Fork Crow River Structural Erosion Control Practices- Wright SWCD Technical/Eng	Technical/Engineering Assistance	Current State Grant	2020 Crow River Gully Stabilization to Reduce Turbidity Phase Four	\$23,000.00	\$23,000.00	\$0.00	N

<i>Activity Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Agricultural Practices	Water Pollution (Reduction Estimates)	210	Sediment (Tss)
Agricultural Practices	Water Pollution (Reduction Estimates)	280	Phosphorus (Est. Reduction)
Agricultural Practices	Water Pollution (Reduction Estimates)	400	Soil (Est. Savings)

<i>Activity Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Agricultural Practices	Water Pollution (Reduction Estimates)	46.07	Sediment (Tss)
Agricultural Practices	Water Pollution (Reduction Estimates)	150.5	Soil (Est. Savings)
Agricultural Practices	Water Pollution (Reduction Estimates)	83.75	Phosphorus (Est. Reduction)
Agricultural Practices	Water Pollution (Reduction Estimates)	37.67	Sediment (Tss)
Agricultural Practices	Water Pollution (Reduction Estimates)	54.25	Soil (Est. Savings)
Agricultural Practices	Water Pollution (Reduction Estimates)	65.85	Phosphorus (Est. Reduction)
Agricultural Practices	Water Pollution (Reduction Estimates)	2.53	Sediment (Tss)
Agricultural Practices	Water Pollution (Reduction Estimates)	7.23	Soil (Est. Savings)
Agricultural Practices	Water Pollution (Reduction Estimates)	2.07	Sediment (Tss)
Agricultural Practices	Water Pollution (Reduction Estimates)	2.5	Soil (Est. Savings)
Agricultural Practices	Water Pollution (Reduction Estimates)	3.37	Phosphorus (Est. Reduction)

<i>Activity Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Agricultural Practices	Water Pollution (Reduction Estimates)	2.91	Phosphorus (Est. Reduction)
Agricultural Practices	Water Pollution (Reduction Estimates)	6.08	Sediment (Tss)
Agricultural Practices	Water Pollution (Reduction Estimates)	24.5	Soil (Est. Savings)
Agricultural Practices	Water Pollution (Reduction Estimates)	10.89	Phosphorus (Est. Reduction)

## Grant Activities

<b>Activity Name: North Fork Crow River Structural Erosion Control Practices</b>						
<b>Activity Category:</b> Agricultural Practices					<b>Has Rates and Hours?:</b> Yes	
<b>Description:</b> Seven gully sites will be addressed utilizing BMPs such as 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.						
<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>
Federal Funds	Federal Match	\$26,500.00	\$94,580.23	(\$68,080.23)	07/11/2022	Y
Current State Grant	2020 Crow River Gully Stabilization to Reduce Turbidity Phase Four	\$140,000.00	\$101,964.49	\$38,035.51	10/11/2022	N
Landowner Fund	Landowner Match	\$17,500.00	\$51,953.59	(\$34,453.59)	10/11/2022	Y

## Actual Results

1/27/2022

Six water and sediment control basins along with one waterway was installed by 12/3/2021.

**Final Indicators**

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
METALS (MERCURY IN WATER COLUMN) - PPB	83.75	Ppb
BOD 5 - LBS/YR	6.08	Lbs/Yr
METALS (MERCURY IN WATER COLUMN) - PPB	10.89	Ppb
	150.5	
	7.23	
METALS (MERCURY IN WATER COLUMN) - PPB	2.91	Ppb
BOD 5 - LBS/YR	2.07	Lbs/Yr
BOD 5 - LBS/YR	37.67	Lbs/Yr
BOD 5 - LBS/YR	46.07	Lbs/Yr
	2.5	
	54.25	
	24.5	
METALS (MERCURY IN WATER COLUMN) - PPB	3.37	Ppb
METALS (MERCURY IN WATER COLUMN) - PPB	65.85	Ppb
BOD 5 - LBS/YR	2.53	Lbs/Yr

Activity Action Name:	Dahlman WASCObS	Activity Count: 2
Practice Type:	638 - Water and Sediment Control Basin	Size/Units:
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:		Install Date: 09/29/2022
		Mapped: Yes

Indicator Name/Units	Value	Calculation Tool	Waterbody
BOD 5 - LBS/YR	6.08	Bwsr Calc (Sheet And Rill)	Unnamed Creek
	24.5	Bwsr Calc (Sheet And Rill)	Unnamed Creek
METALS (MERCURY IN WATER COLUMN) - PPB	10.89	Bwsr Calc (Sheet And Rill)	Unnamed Creek

Activity Action Name:	Munson 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: 09/16/2022
		Mapped: Yes

Indicator Name/Units	Value	Calculation Tool	Waterbody
BOD 5 - LBS/YR	2.07	Bwsr Calc (Sheet And Rill)	North Fork Crow River
	2.5	Bwsr Calc (Sheet And Rill)	North Fork Crow River
METALS (MERCURY IN WATER COLUMN) - PPB	3.37	Bwsr Calc (Sheet And Rill)	North Fork Crow River

Activity Action Name: Dahlman	Activity Count: 1
Practice Type: 638 - Water and Sediment Control Basin	Size/Units:
TA Provider/JAA: SWCD	Lifespan: 10 Years
Practice Description:	Install Date: 10/28/2022
	Mapped: No

Activity Action Name: Pfeifer WASCObS	Activity Count: 10
Practice Type: 638 - Water and Sediment Control Basin	Size/Units:
TA Provider/JAA: SWCD	Lifespan: 10 Years
Practice Description:	Install Date: 06/10/2022
	Mapped: Yes

Indicator Name/Units	Value	Calculation Tool	Waterbody
BOD 5 - LBS/YR	37.67	Bwsr Calc (Sheet And Rill)	12 Mile Creek
	54.25	Bwsr Calc (Sheet And Rill)	12 Mile Creek
METALS (MERCURY IN WATER COLUMN) - PPB	65.85	Bwsr Calc (Sheet And Rill)	12 Mile Creek



Activity Action Name:	Bersie Waterway	Activity Count: 1
Practice Type:	412 - Grassed Waterway and Swales	Size/Units: 1510 - Cfu
TA Provider/JAA:	NRCS	Lifespan: 10 Years
Practice Description:	Length: 1,510 FT Depth: 1.5' - 1.8'  30' bottom width 10:1 Side Slopes	Install Date: 12/03/2021
		Mapped: Yes

Indicator Name/Units	Value	Calculation Tool	Waterbody
BOD 5 - LBS/YR	2.53	Bwsr Calc (Gully Stabilization)	North Fork Crow River
	7.23	Bwsr Calc (Gully Stabilization)	North Fork Crow River
METALS (MERCURY IN WATER COLUMN) - PPB	2.91	Bwsr Calc (Gully Stabilization)	North Fork Crow River

Activity Action Name:	Bersie WASCObS	Activity Count: 6
Practice Type:	638 - Water and Sediment Control Basin	Size/Units:
TA Provider/JAA:	NRCS	Lifespan: 10 Years
Practice Description:		Install Date: 12/03/2021
		Mapped: Yes

Indicator Name/Units	Value	Calculation Tool	Waterbody
BOD 5 - LBS/YR	46.07	Bwsr Calc (Sheet And Rill)	North Fork Crow River
	150.5	Bwsr Calc (Sheet And Rill)	North Fork Crow River
METALS (MERCURY IN WATER COLUMN) - PPB	83.75	Bwsr Calc (Sheet And Rill)	North Fork Crow River

## Activity Name: North Fork Crow River Structural Erosion Control Practices-Wright SWCD Admin/Coordination

**Activity Category:** Administration/Coordination

**Has Rates and Hours?:** Yes

**Description:** Wright SWCD will:

1. Review and approve the grant agreement.
2. Submit reports to BWSR as prescribed.
3. Track hours put toward grant Initiatives in Excel spreadsheet.
4. Prepare contract forms and gather signatures.
5. Make any modification to the grant in eLINK as needed.

### 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	2020 Crow River Gully Stabilization to Reduce Turbidity Phase Four	\$3,000.00	\$3,000.00	\$0.00	12/31/2022	N

### Actual Results

## Activity Name: North Fork Crow River Structural Erosion Control Practices-Wright SWCD Technical/Eng

**Activity Category:** Technical/Engineering Assistance

**Has Rates and Hours?:** 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:

410 - Grade Stabilization Structure

620 - Underground Outlet

606 - Subsurface Drain

638 - Water and Sediment Control Basin

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	2020 Crow River Gully Stabilization to Reduce Turbidity Phase Four	\$23,000.00	\$23,000.00	\$0.00	12/31/2022	N
<b>Actual Results</b>						

## Activity Name: North Fork Crow River Structural Erosion Control Practices–Wright SWCD Project Develop

**Activity Category:** Project Development **Has Rates and Hours?:** 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	2020 Crow River Gully Stabilization to Reduce Turbidity Phase Four	\$9,000.00	\$6,162.50	\$2,837.50	12/31/2022	N

### Actual Results