



# Grant Progress Report

## Watershed-Based Funding Pilot 2018

**Grant Title:** North Fork Crow River 1W1P Implementation

**Grant ID:** C18-1322

**Grantee:** Middle Fork Crow River WD

**Fiscal Agent:** Middle Fork Crow River WD

**Grant Day-to-Day Contact:** Dan Coughlin

**Grant Award (\$):** \$642,377.00

**Required Match (%):** 10

**Required Match (\$):** \$64,237.70

**Grant Execution Date:** 05/15/2019

**Grant End Date:** 12/31/2021

	Total Budgeted	Total Spent	Balance Remaining*
<b>Grant Funds</b>	\$642,327.27	<b>\$640,859.45</b>	\$1,517.55
<b>Match Funds</b>	\$164,237.60	<b>\$278,534.48</b>	(\$114,296.88)
<b>Other Funds</b>	\$622,914.00	<b>\$748,536.57</b>	(\$125,622.57)
<b>Total</b>	\$1,429,478.87	<b>\$1,667,930.50</b>	(\$238,401.90)

\*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?
Objective 7: Grant Coordination & Fiscal Management	Administration/Coordination	Local Fund	LOCAL MATCH	\$14,517.60	\$18,616.50	(\$4,098.90)	Y
Objective 7: Grant Coordination & Fiscal Management	Administration/Coordination	Current State Grant	Noth Fork Crow River 1W1P Implementation	\$18,230.09	\$16,762.27	\$1,467.82	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>
Management							
Swan: Agricultural BMP Implementation	Agricultural Practices	Current State Grant	North Fork Crow River 1W1P Implementation	\$7,500.00	\$7,500.00	\$0.00	N
Alama: Agricultural BMP Implementation	Agricultural Practices	Other Funds	2018 - SWCD Local Capacity Services (Wright SWCD)	\$0.00	\$3,469.84	(\$3,469.84)	N
Alama: Agricultural BMP Implementation	Agricultural Practices	Other Funds	2020 - State Cost-Share Fund (Wright SWCD)	\$12,638.00	\$12,638.00	\$0.00	N
Alama: Agricultural BMP Implementation	Agricultural Practices	Current State Grant	North Fork Crow River 1W1P Implementation	\$49,500.00	\$49,500.00	\$0.00	N
Nelson: Agricultural BMP Implementation	Agricultural Practices	Current State Grant	North Fork Crow River 1W1P Implementation	\$39,000.00	\$39,000.00	\$0.00	N
Nelson: Agricultural BMP Implementation	Agricultural Practices	Other Funds	2018 - SWCD Local Capacity Services (Wright SWCD)	\$0.00	\$19,984.44	(\$19,984.44)	N
Elfmann: Agricultural BMP Implementation	Agricultural Practices	Other Funds	Crow River Gully Stabilization to Reduce Turbidity Phase Thr..	\$0.00	\$8,156.61	(\$8,156.61)	N
Elfmann: Agricultural BMP Implementation	Agricultural Practices	Other Funds	2020 - SWCD Local Capacity Services (Wright SWCD)	\$0.00	\$12,987.78	(\$12,987.78)	N
Elfmann: Agricultural BMP Implementation	Agricultural Practices	Current State Grant	North Fork Crow River 1W1P Implementation	\$3,206.65	\$3,206.65	\$0.00	N
CD 10 BMP Inventory - Implementation - Practices	Agricultural Practices	Other Funds	CD 10 BMP Inventory - Implementation	\$195,000.00	\$198,937.00	(\$3,937.00)	N
CD 10 BMP Inventory - Implementation -	Agricultural Practices	Current State Grant	North Fork Crow River 1W1P Implementation	\$49,500.00	\$49,500.00	\$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>
Practices							
Objective 1: Agricultural BMP Implementation	Agricultural Practices	Current State Grant	Noth Fork Crow River 1W1P Implementation	\$255,737.19	\$255,737.19	\$0.00	N
Objective 1: Agricultural BMP Implementation	Agricultural Practices	Federal Funds	FEDERAL MATCH	\$50,000.00	\$133,439.87	(\$83,439.87)	Y
Objective 1: Agricultural BMP Implementation	Agricultural Practices	Landowner Fund	LANDOWNER MATCH	\$50,000.00	\$69,916.57	(\$19,916.57)	Y
Objective 6: Education Activities	Education/Information	Local Fund	LOCAL MATCH	\$6,000.00	\$21,400.16	(\$15,400.16)	Y
Objective 5: Data Gaps	Inventory/Mapping	Current State Grant	Noth Fork Crow River 1W1P Implementation	\$41,058.40	\$41,058.40	\$0.00	N
Objective 2: Agricultural Managment Practices	Non-Structural Management Practices	Current State Grant	Noth Fork Crow River 1W1P Implementation	\$26,250.00	\$26,250.00	\$0.00	N
Objective 4: Project Development	Project Development	Local Fund	LOCAL MATCH	\$43,720.00	\$35,161.38	\$8,558.62	Y
Objective 8: Coordination of Partnership	Project Development	Current State Grant	North Fork Crow River 1W1P Implementation	\$86,270.29	\$86,270.29	\$0.00	N
Objective 3: Technical Assistance	Technical/Engineering Assistance	Current State Grant	Noth Fork Crow River 1W1P Implementation	\$66,074.65	\$66,074.65	\$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)	2	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	11	Tons/Yr
Water Pollution (Reduction Estimates)	Nitrogen	35	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	66	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	1	Lbs/Yr

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Sediment (Tss)	10.5	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	463.84	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	344.75	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	546.57	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	271	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	514	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	146.57	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	81.18	Tons/Yr

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	52.5	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	81	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	44.75	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	122.4	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	21.33	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	9.75	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	38.5	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	3.36	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	1.57	Tons/Yr

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Estimates)			
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	16	Tons/Yr

## Grant Activities

<b>Activity Name: Alama: Agricultural BMP Implementation</b>						
<b>Activity Category:</b> Agricultural Practices					<b>Staff time?:</b> No	
<b>Description:</b> Luke should fill this in. Unless BWSR is not requiring this be filled in.						
<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>
Current State Grant	2018 - SWCD Local Capacity Services (Wright SWCD)	\$0.00	\$3,469.84	(\$3,469.84)	12/14/2020	N
Current State Grant	2020 - State Cost-Share Fund (Wright SWCD)	\$12,638.00	\$12,638.00	\$0.00	12/14/2020	N
Current State Grant	North Fork Crow River 1W1P Implementation	\$49,500.00	\$49,500.00	\$0.00	12/14/2020	N
<b>Actual Results</b>						
1/25/2021						
Seven water and sediment control basins were installed as designed. Construction was completed 11/9/20 and final payments from FY20 State Cost-Share (\$12,638), FY18 Capacity (\$3,469.84), and FY18 1W1P (\$49,500.00) were all approved on 12/14/2020. All three of those grants were linked as to not duplicate reporting.						

<b>Final Indicators</b>		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	81.18	Tons/Yr
Soil (Est. Savings)	52.5	Tons/Yr
Phosphorus (Est. Reduction)	146.57	Lbs/Yr

Activity Action Name: Alama Basins	Activity Count: 7
Practice Type: 638 - Water and Sediment Control Basin	Size/Units: 7 - Acre-Feet/Yr
TA Provider/JAA: SWCD	Lifespan: 10 Years
Practice Description:	Install Date: 12/14/2020
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	81.18	Bwsr Calc (Sheet And Rill)	Camp Lake
Soil (Est. Savings)	Tons/Yr	52.5	Bwsr Calc (Sheet And Rill)	Camp Lake
Phosphorus (Est. Reduction)	Lbs/Yr	146.57	Bwsr Calc (Sheet And Rill)	Camp Lake

## Activity Name: CD 10 BMP Inventory - Implementation - Practices

**Activity Category:** Agricultural Practices

**Staff time?:** No

**Description:** It is anticipated that six (6) Grade Stabilization Structures (Code 410), one (1) Grassed Waterway (Code 412), and eight (8) WASCOS (Code 638) will be implemented.

Other eligible practices will be considered depending on site specific information obtained during project development.

January 2019 Work Plan Amendment

Construction of one Storage and Treatment Wetland Restoration to reduce peak flows, erosion, and sediment transport to receiving waters. A perpetual easement will be provided to the 103E drainage authority.

### 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	CD 10 BMP Inventory - Implementation	\$195,000.00	\$198,937.00	(\$3,937.00)	08/10/2020	N
Current State Grant	North Fork Crow River 1W1P Implementation	\$49,500.00	\$49,500.00	\$0.00	08/10/2020	N

### Actual Results

Note: this activity is part of Objective 1 under the North Fork Crow River FY18 1W1P Implementation Grant

In January of 2019 an amendment to the work plan was added. Construction of one sediment basin to reduce peak flows, erosion, and sediment transport to receiving waters. A perpetual easement will be provided to the 103E drainage authority.

One, 10 acre sediment basin (350) was design and installed as planned in early 2020.



**Final Indicators**

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	271	Lbs/Yr
Sediment (Tss)	514	Tons/Yr

Activity Action Name: County Ditch 10 Pond	Activity Count: 1
Practice Type: 350 - Sediment Basin	Size/Units: 10 - Acres
TA Provider/JAA: Private Consultant	Lifespan: 20 Years
Practice Description:	Install Date: 02/28/2020
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	514	Other	County Ditch 10
Phosphorus (Est. Reduction)	Lbs/Yr	271	Other	County Ditch 10

**Activity Name: Elfmann: Agricultural BMP Implementation**

<b>Activity Category:</b> Agricultural Practices	<b>Staff time?:</b> No
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**Description:** Luke should fill this in unless BWSR does not require it.

**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	Crow River Gully Stabilization to Reduce Turbidity Phase Thr..	\$0.00	\$8,156.61	(\$8,156.61)	12/14/2020	N
Current State Grant	2020 - SWCD Local Capacity Services (Wright SWCD)	\$0.00	\$12,987.78	(\$12,987.78)	12/14/2020	N
Current State Grant	North Fork Crow River 1W1P Implementation	\$3,206.65	\$3,206.65	\$0.00	12/14/2020	N

#### Actual Results

2020: Elfmann's Basins - Wright SWCD: Three water and sediment control basins were installed as designed. Construction was completed 11/23/20 and final payment of \$3,206.65 1W1P Implementation funds distributed 12/14/20. Local contract number: 1W1P Wright FY18-11.

#### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Soil (Est. Savings)	38.5	Tons/Yr
Sediment (Tss)	9.75	Tons/Yr
Phosphorus (Est. Reduction)	21.33	Lbs/Yr

Activity Action Name:	Elfmann Basins	Activity Count: 3
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 3 - Acre-Feet/Yr
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:		Install Date: 12/14/2020
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	21.33	Bwsr Calc (Sheet And Rill)	Unnamed Wetland
Sediment (Tss)	Tons/Yr	9.75	Bwsr Calc (Sheet And Rill)	Unnamed Wetland
Soil (Est. Savings)	Tons/Yr	38.5	Bwsr Calc (Sheet And Rill)	Unnamed Wetland

## Activity Name: Nelson: Agricultural BMP Implementation

Activity Category: Agricultural Practices

Staff time?: No

### Description:

### 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	North Fork Crow River 1W1P Implementation	\$39,000.00	\$39,000.00	\$0.00	12/14/2020	N
Current State Grant	2018 - SWCD Local Capacity Services (Wright SWCD)	\$0.00	\$19,984.44	(\$19,984.44)	12/14/2020	N

### Actual Results

2020: Nelson's Basins - Wright SWCD: Ten water and sediment control basins were installed as designed. Construction was completed 11/17/20 and final payment of \$39,000.00 1W1P Implementation funds distributed 12/14/20. Local contract number: 1W1P Wright FY18-09.

### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	81	Lbs/Yr
Sediment (Tss)	44.75	Tons/Yr
Soil (Est. Savings)	122.4	Tons/Yr

Activity Action Name: Nelson Basins

Practice Type: 638 - Water and Sediment Control Basin

TA Provider/JAA: SWCD

Practice Description:

Activity Count: 10

Size/Units: 10 - Acre-Feet/Yr

Lifespan: 10 Years

Install Date: 12/14/2020

Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	44.75	Bwsr Calc (Sheet And Rill)	Cokato Lake
Soil (Est. Savings)	Tons/Yr	122.4	Bwsr Calc (Sheet And Rill)	Cokato Lake
Phosphorus (Est. Reduction)	Lbs/Yr	81	Bwsr Calc (Sheet And Rill)	Cokato Lake

## Activity Name: Objective 1: Agricultural BMP Implementation

**Activity Category:** Agricultural Practices

**Staff time?:** No

**Description:** Partner to complete objective: NFCRWPP

Cost share for structural agricultural conservation practices with focus on 22 priority HUC 12 areas. Ten to twenty targeted practices will allow for the most cost-effective and greatest reductions based on set criteria within developed ranking sheet. PTMApp load reduction range for structural practices have been estimated at:

Sediment 458-561 tons/yr

TP 13-17 lbs/yr

Examples of BMPs include: grassed waterways, water and sediment control basins, grade stabilization structures. Cost share rates and policy will be established prior to contract implementation.

Targeted practices will allow for the most cost-effective and greatest reductions with a goal to install up to 20 practices. Load reduction range for this grant for structural practices have been estimated at: TSS 151-252 tons/3 yrs; TP 3-5 lbs/3 yrs; and N 82-136 lbs/3 yrs.

### 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	\$50,000.00	\$133,439.87	(\$83,439.87)	12/14/2020	Y
Landowner Fund	LANDOWNER MATCH	\$50,000.00	\$69,916.57	(\$19,916.57)	12/14/2020	Y
Current State Grant	Noth Fork Crow River 1W1P Implementation	\$255,737.19	\$255,737.19	\$0.00	09/15/2021	N



2019: Dearing Basins - Wright SWCD: 3 WASCObS were installed. Construction completed 11/5/19 & final payment of \$280.61 1W1P WBIF distributed 11/12/19. Local contract number: 1W1P Wright FY18-01.

2019: Swan Basins - Wright SWCD: 2 WASCObS were installed. Construction completed 9/6/19 & final payment of \$7,500.00 1W1P WBIF distributed 10/15/19. Local contract number: 1W1P Wright FY18-03.

2020: Marketon Basins - Wright SWCD: 3 WASCObS were installed. Construction completed 10/7/20 & final payment of \$24,000.00 1W1P WBIF distributed 11/9/20. Local contract number: 1W1P Wright FY18-06.

2020: Dahlman Basins - Wright SWCD: 7 WASCObS were installed. Construction completed 10/22/20 & final payment of \$36,702.44 1W1P WBIF distributed 11/9/20. Local contract number: 1W1P Wright FY18-08.

2020: Hillmeyer Basin - Wright SWCD: 1 WASCOb was installed. Construction completed 11/1/20 & final payment of \$23,771.73 1W1P WBIF distributed 12/14/20. Local contract number: 1W1P Wright FY18-10.

2020: Gruenhagen Basins - Wright SWCD: 3 WASCObS and 1 grassed waterway were installed. Construction completed 11/6/20 & final payment of \$18,000.00 1W1P WBIF distributed 12/14/20. Local contract number: 1W1P Wright FY18-04.

2020: Bakeberg Basins - Wright SWCD: 2 WASCObS were installed. Construction completed 11/22/20 & final payment of \$22,000.00 1W1P WBIF distributed 12/14/20. Local contract number: 1W1P Wright FY18-07.

2020: Slinden Basins- Meeker SWCD: Three water and sediment control basins were installed as designed. Construction was completed 4/6/20 and a final payment of \$21,750.00 was distributed to the landowner. Local contract number: NF 1W1P18-01

2021: Jared Johnson WASCOb- Meeker SWCD: Five water and sediment control basin were installed as designed. Construction was completed 5/25/21 and final payment of \$44,267.10 was distributed to the landowner. Local contract number NF 1W1P18-02

<b>Final Indicators</b>		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	344.75	Tons/Yr
Phosphorus (Est. Reduction)	463.84	Lbs/Yr
Soil (Est. Savings)	546.57	Tons/Yr

Activity Action Name: Marketon Basins	Activity Count: 3
Practice Type: 638 - Water and Sediment Control Basin	Size/Units: 3 - Acre-Feet/Yr
TA Provider/JAA: SWCD	Lifespan: 10 Years
Practice Description:	Install Date: 11/09/2020
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	6.98	Bwsr Calc (Sheet And Rill)	Unnamed Wetland
Phosphorus (Est. Reduction)	Lbs/Yr	14.18	Bwsr Calc (Sheet And Rill)	Unnamed Wetland
Soil (Est. Savings)	Tons/Yr	63.5	Bwsr Calc (Sheet And Rill)	Unnamed Wetland

Activity Action Name: Dahlman Basins	Activity Count: 7
Practice Type: 638 - Water and Sediment Control Basin	Size/Units: 7 - Acre-Feet/Yr
TA Provider/JAA: TSA	Lifespan: 10 Years
Practice Description:	Install Date: 11/09/2020
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	26.08	Bwsr Calc (Sheet And Rill)	Mud Lake
Phosphorus (Est. Reduction)	Lbs/Yr	52.38	Bwsr Calc (Sheet And Rill)	Mud Lake
Soil (Est. Savings)	Tons/Yr	92.75	Bwsr Calc (Sheet And Rill)	Mud Lake

Activity Action Name:	Hillmeyer Basin	Activity Count: 1
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 1 - Acre-Feet/Yr
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:		Install Date: 12/14/2020
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	17.5	Bwsr Calc (Sheet And Rill)	North Fork Crow River
Phosphorus (Est. Reduction)	Lbs/Yr	15.71	Bwsr Calc (Sheet And Rill)	North Fork Crow River
Sediment (Tss)	Tons/Yr	7.08	Bwsr Calc (Sheet And Rill)	North Fork Crow River

Activity Action Name:	Gruenhagen Basins	Activity Count: 3
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 3 - Acre-Feet/Yr
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:		Install Date: 12/14/2020
		Mapped: Yes



Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	13.85	Bwsr Calc (Sheet And Rill)	Howard Lake
Soil (Est. Savings)	Tons/Yr	41	Bwsr Calc (Sheet And Rill)	Howard Lake
Phosphorus (Est. Reduction)	Lbs/Yr	26.07	Bwsr Calc (Sheet And Rill)	Howard Lake

Activity Action Name:	Gruenhagen Waterway	Activity Count: 1
Practice Type:	412 - Grassed Waterway and Swales	Size/Units: 1 - Acres
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:		Install Date: 12/14/2020
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	1.37	Bwsr Calc (Sheet And Rill)	Howard Lake
Phosphorus (Est. Reduction)	Lbs/Yr	1.58	Bwsr Calc (Sheet And Rill)	Howard Lake
Soil (Est. Savings)	Tons/Yr	3.92	Bwsr Calc (Sheet And Rill)	Howard Lake

Activity Action Name:	Lilleberg - grassed waterway	Activity Count: 1
Practice Type:	412 - Grassed Waterway and Swales	Size/Units: 2 - Acres
TA Provider/JAA:	Private Consultant	Lifespan: 10 Years
Practice Description:	Grassed waterway	Install Date: 06/25/2020
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	210	Bwsr Calc (Gully Stabilization)	Middle Fork
Sediment (Tss)	Tons/Yr	210	Bwsr Calc (Gully Stabilization)	Middle Fork
Phosphorus (Est. Reduction)	Lbs/Yr	241.5	Bwsr Calc (Gully Stabilization)	Middle Fork

Activity Action Name:	Weller Jim Alternative Inlets	Activity Count: 28
Practice Type:	587 - Structure for Water Control	Size/Units: 28 - Acre-Feet/Yr
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Alternative Tile Intakes to replace open inlets within agricultural fields.	Install Date: 12/09/2020
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	32.2	Other	North Fork Crow River
Phosphorus (Est. Reduction)	Lbs/Yr	37.03	Other	North Fork Crow River

Activity Action Name:	Jared Johnson WASCOB	Activity Count: 5
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 5 - Acre-Feet/Yr
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	Installed 5 Water and Sediment Control Basins	Install Date: 05/25/2021
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	31.94	Bwsr Calc (Sheet And Rill)	Richardson Lake
Soil (Est. Savings)	Tons/Yr	40	Bwsr Calc (Sheet And Rill)	Richardson Lake
Sediment (Tss)	Tons/Yr	22.11	Bwsr Calc (Sheet And Rill)	Richardson Lake

Activity Action Name:	Slinden Basins	Activity Count: 3
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 3 - Acre-Feet/Yr
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	Installed 3 Water & Sediment Control Basins	Install Date: 04/06/2020
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	31.2	Bwsr Calc (Gully Stabilization)	Helga Lake
Phosphorus (Est. Reduction)	Lbs/Yr	6.05	Bwsr Calc (Gully Stabilization)	Helga Lake
Sediment (Tss)	Tons/Yr	6.05	Bwsr Calc (Gully Stabilization)	Helga Lake

Activity Action Name:	Bakeberg Basins	Activity Count: 2
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 2 - Acre-Feet/Yr
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:		Install Date: 12/14/2020
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	21.5	Bwsr Calc (Sheet And Rill)	North Fork Crow River
Phosphorus (Est. Reduction)	Lbs/Yr	18.91	Bwsr Calc (Sheet And Rill)	North Fork Crow River
Sediment (Tss)	Tons/Yr	8.56	Bwsr Calc (Sheet And Rill)	North Fork Crow River

Activity Action Name:	Dearing Basins	Activity Count: 3
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 3 - Acre-Feet/Yr
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Three WaSCoBs installed as designed.	Install Date: 11/12/2019
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	18.49	Bwsr Calc (Sheet And Rill)	North Fork Crow River
Soil (Est. Savings)	Tons/Yr	25.2	Bwsr Calc (Sheet And Rill)	North Fork Crow River
Sediment (Tss)	Tons/Yr	10.47	Bwsr Calc (Sheet And Rill)	North Fork Crow River

## Activity Name: Objective 2: Agricultural Management Practices

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

**Staff time?:** No

**Description:** Partner to complete objective: NFCRWPP

2,000-3,000 targeted acres non-structural management practices based on set criteria within developed ranking.

PTM App load reduction range for non-structural practices have been estimated at:

Sediment 0.54 tons/year,

Total Phosphorus 0.92 pounds/year

Examples of BMPs include: conservation tillage, nutrient management, cover crops. Cost share rates and policy will be established prior to contract implementation.

Field Walkovers in conjunction with conservation practices and projects will decrease sediment, phosphorus, and nitrates entering streams, rivers, lakes, and groundwater systems.

### 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	Noth Fork Crow River 1W1P Implementation	\$26,250.00	\$26,250.00	\$0.00	11/10/2020	N

### Actual Results

2019: Partners have been completing other contract for non-structural BMPs, but landowners remain apprehensive due to the 3-year commitment. D. Fuchs may work with BWSR to ask for a variance.

### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	10.5	Tons/Yr

Activity Action Name: Lensing Kurt Cover Crops				Activity Count: 1
Practice Type: 340 - Cover Crop				Size/Units: 117 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description:				Install Date: 10/22/2020
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	10.5	Rusle2 (Updated)	North Fork Crow River

## Activity Name: Objective 3: Technical Assistance

**Activity Category:** Technical/Engineering Assistance **Staff time?:** No

**Description:** Help provide technical and engineering services targeted to the worst problems which is imperative to increase BMP implementation and improve water resource protection and improvement.

Only the list of JAA and Professional Engineers from the North Fork 1W1P SharePoint will be allowed to use funding.

### 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	Noth Fork Crow River 1W1P Implementation	\$66,074.65	\$66,074.65	\$0.00	09/08/2021	N

### Actual Results

2019: Wright SWCD used internal technical assistance for the design and development of the Swan's and Dearing projects.

2019: Stearns used the West Central Technical Service for the designs for the Jennisen project.

2019: Wenck Associates completed a design for the Lilleberg grass waterway (a.k.a. Wilcox Lake project). The engineered designs, draiange map, & hydroCAD are uploaded to the SharePoint.

## Activity Name: Objective 4: Project Development

Activity Category: Project Development

Staff time?: No

Description: Partner to complete objective: NFCRWPP (inkind)

Project development is meant to cover work performed by LGU partners to get potential practice implementations from initialization to either technical & engineering stage or outright construction. Examples of this work include:

Performing project development develop with agricultural non-structural BMPs (see objective 1 and 2).

Contact with prospective landowners

Practice conceptualization

INKIND:

Estimated LGU inkind match: \$43,720

Estimated LGU partner hours: 874 Billing rate: \$50/hour

### 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	LOCAL MATCH	\$43,720.00	\$35,161.38	\$8,558.62	12/31/2020	Y

### Actual Results

2019: Project partners have been working to initiate substantial project development prior to engineering and during the project establishment. Partners are working with landowners to commit implementation funds for the implementation of several projects including, Jennissen Waste Storage Facility, Ditch 10 Sediment Basin, Dearing's Water and Sediment Control Basins, Swan's Water and Sediment Control Basins, Weller Rock Inlets, and the Wilcox Lake Grassed Waterway.

## Activity Name: Objective 5: Data Gaps

Activity Category: Inventory/Mapping

Staff time?: No

**Description:** Partner to complete objective: NFCRWPP

Data Gaps is meant to begin addressing limited/ no data action items. 1-2 data gaps are proposed to be addressed under this objective. Examples include:

Ravine inventory (action #76)

Altered hydrology impact/ storage goal study (action #81) - The goal ranges from 96,500 acre-feet to 130,000 acre-feet or depths of 0.69 inches to 0.93 inches across the watershed. For planning purposes, the North Fork 1W1P set a preliminary goal of 0.75 inches across the watershed, realizing that the altered hydrology goals should ideally be established at the 12- digit HUC scale. This data gap exercise will identify priority 12-digit HUCs, and as funding is available, BMP locations will be identified.

BMPs & associated costs database development (action #87)

Promoting the natural meandering of streams are needed to decrease stream velocity and protecting public infrastructure leading to minimized flood damage and enhance recreational and fish and wildlife habitat.

An important limitation of PTMApp is that it does not consider near channel sediment sources (p. 4-27).

The river assessment will target six reaches:

- Buffalo Crow to North Fork Crow
- Mill Creek
- Meeker/Wright County line to Mill Creek
- Headwaters (Grove Lake) to Rice Lake
- Rive Lake to Koronis
- Crow River to Mississippi River

Led by Middle Fork Crow River Watershed District staff. 1) verify whether or not streambank erosion is the major contributor of pollutants, including sediment, Phosphorus, and Nitrogen; 2) catalog and quantify the erosion; 3) provide an assessment of the answers and quantify the bedload reductions that could be achieved with the solutions, and; 4) provide information for priority tributary assessment based on mainstem conditions downstream of each tributary confluence.

Source: Implementation Table 4-8 (Action 69. 123)

Estimated LGU partner hours: 640 | Billing rate: \$50/hour

### **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	Noth Fork Crow River 1W1P Implementation	\$41,058.40	\$41,058.40	\$0.00	12/08/2021	N

### Actual Results

2019: Nothing to report.

2020: The Middle Fork Crow River Watershed District has a unique opportunity, using the FY18 Watershed Based Funding to complete an altered hydrology analysis to take place within the Elkhorn basin including both continuous simulation models and field scale analysis.

A site-specific analysis will take place to determine the future needs of the basin.

Items to answer using the altered hydrology analysis:

- original lake hydrology,
- ownership of the structures,
- lifetime of current structures and use of current structures
- understand of potential needs of perpetual easements of public ownership and
- understanding of needs of operation and maintenance

A site-specific analysis will take place to determine the future needs of the basin.

Items to answer using the altered hydrology analysis.

## Activity Name: Objective 6: Education Activities

**Activity Category:** Education/Information

**Staff time?:** No

**Description:** Partner to complete objective: NFCRWPP – Public Participation Plan (p3)

Educational activities focus on developing a more effective watershed wide education campaign. Partners will provide 1-3 priority P3 projects educational events in the watershed.

INKIND:

Estimated LGU inkind match: \$6,000

Estimated LGU partner hours: 120 | Billing rate: \$50/hour

### 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	LOCAL MATCH	\$6,000.00	\$21,400.16	(\$15,400.16)	12/31/2020	Y

### Actual Results

2019 July: A Soil Health Workshop was held in Atwater, MN to discuss and present options for local producers. Partners included MFCRWD and the North Fork WRAPS II employee.

## Activity Name: Objective 7: Grant Coordination & Fiscal Management

**Activity Category:** Administration/Coordination

**Staff time?:** No

**Description:** Partner to complete objective: Middle Fork (primary & inkind), NFCRWPP (inkind)

Covers both overall administration of the watershed-based funding grant.

For grant administration, work includes grant contracting, coordination of committee meetings, work plan and budget tracking, fiscal accounting, record keeping, reporting, and other associated tasks. For fiscal agent, work includes tracking grant expenditures, processing payments, assisting grant coordinator with grant reporting and other associated tasks. Both aspects will be handled by Middle Fork Crow River Watershed District.

**GRANT:**

Middle Fork:

Estimated Grant Coordinator hours: Billing rate: \$77.24

750 hours \* \$77.24 = \$57,930.00

Estimated Fiscal Agent hours: Billing rate: \$50.76

120 hours \* \$50.76 = \$6,091.00

**INKIND:**

Middle Fork:

Estimated Grant Coordinator hours: Billing rate: \$77.24

110 hours \* \$77.24 = \$8,517.60

LGU Partners (individual project reporting by each LGU):

Estimated partnership hours: \$6,000

**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	LOCAL MATCH	\$14,517.60	\$18,616.50	(\$4,098.90)	12/31/2019	Y
Current State Grant	Noth Fork Crow River 1W1P Implementation	\$18,230.09	\$16,762.27	\$1,467.82	12/22/2021	N

## Actual Results

2019 July: Elink was reviewed for some work completed and entered by partners.

2020 January: Elink was reviewed for some work completed and entered by partners. Invoices were process and elink was updated.

2020 July: Elink was reviewed for some work completed and entered by partners.

## Activity Name: Objective 8: Coordination of Partnership

**Activity Category:** Project Development

**Staff time?:** No

**Description:** Coordination of Technical Advisory & Policy Committee Meetings

### 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	North Fork Crow River 1W1P Implementation	\$86,270.29	\$86,270.29	\$0.00	12/22/2021	N

## Actual Results

PC Meeting dates: 06/06, 07/03,09/04, 10/02, 11/01

TAC Meeting dates: 05/15, 06/05, 7/15, 07/17, 09/17, 10/17, 12/03

2019 May: The PC met to approved the Ranking Criteria Spreadsheet as a means to prioritize WBF. They also approved the Middle Fork Crow River WD as the Grant coordinator and the fiscal agent. M. Johnson has been working with staff to create a BMP cost-share Policy along with a Partnership Agreement. A ranking criteria for all Watershed Based Funding has been approved by the PC.

2019 June: A partnership agreement was drafted by M. Johnson for policy and procedure of fund distribution. The agreement was signed by Wright SWCD, Stearns SWCD, and Kandiyohi SWCD.

2019 September: A full-time position was approved at the October 2nd PC meeting. The Wright SWCD will also be the fiscal agent. Bylaws were approved at the September 4th PC meeting.

November/December 2019: The PC would like to commit to a Plan Coordinator. Met as a subcommittee to discuss current MOCA on November 12, with updates to go to Wright SWCD.

2020:

Q1: M. Johnson sent out a Request for Proposal for services to assist in the implementation of FY 18 Watershed Based Funding

Q2: Moore Engineering was selected and a contract was signed and approved by the Middle Fork Board, ending February 2021.

The original agreement needed to be updated to remove the now dissolved Joint Powers Organization called the CROW. The Final updated agreement was provided to all partners for approval. Most partners have approved the new agreement.

Fiscal Year 2020 funding will be under the organization of Wright Soil and Water Conservation District.

Q3: A Technical Advisory Committee meeting July 27

A Policy Committee meet September 1

Fiscal Year 2020 funding will be under the organization of Wright Soil and Water Conservation District. A Work Plan drafted in February 2020 by T. Ostendorf and M. Johnson, then passed to L. Johnson has not been approved by BWSR (as of 9/30/20).

## Activity Name: Swan: Agricultural BMP Implementation

**Activity Category:** Agricultural Practices

**Staff time?:** No

**Description:**

**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	North Fork Crow River 1W1P Implementation	\$7,500.00	\$7,500.00	\$0.00	10/15/2019	N

**Actual Results**

2019: Swan's Basins - Wright SWCD: two water and sediment control basins were installed as designed. Construction was completed 9/6/19 and final payment of \$7,500.00 1W1P Implementation funds distributed 10/15/19. Local contract number: 1W1P Wright FY18-03.

**Final Indicators**

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	3.36	Lbs/Yr
Sediment (Tss)	1.57	Tons/Yr
Soil (Est. Savings)	16	Tons/Yr

Activity Action Name: Swan Basins	Activity Count: 2
Practice Type: 638 - Water and Sediment Control Basin	Size/Units: 2 - Acre-Feet/Yr
TA Provider/JAA: SWCD	Lifespan: 10 Years
Practice Description:	Install Date: 10/15/2019
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	3.36	Bwsr Calc (Sheet And Rill)	Cokato Lake
Sediment (Tss)	Tons/Yr	1.57	Bwsr Calc (Sheet And Rill)	Cokato Lake
Soil (Est. Savings)	Tons/Yr	16	Bwsr Calc (Sheet And Rill)	Cokato Lake