



Grant Progress Report

Watershed Based Implementation JUL 2023

Grant Title: North Fork Crow River FY2022 Watershed-Based Implementation **Grant Award (\$):** \$1,120,477.00 **Grant Execution Date:** 02/03/2023
Funding
Grant ID: C23-1997 **Required Match (%):** 10 **Grant End Date:** 12/31/2025
Grantee: Wright SWCD **Required Match (\$):** \$112,047.70
Fiscal Agent: Wright SWCD
Grant Day-to-Day Contact: Luke Johnson

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$1,120,477.00	\$209,355.74	\$911,121.26
Match Funds	\$133,048.00	\$29,522.28	\$103,525.72
Other Funds	\$0.00	\$0.00	\$0.00
Total	\$1,253,525.00	\$238,878.02	\$1,014,646.98

*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?
Grant Administration and Plan Coordination	Administration/Coordination	Current State Grant	North Fork Crow River FY2022 Watershed-Based Implementation	\$218,477.00	\$62,361.47	\$156,115.53	N
Agricultural Structural Practices	Agricultural Practices	Current State Grant	North Fork Crow River FY2022 Watershed-Based Implementation	\$190,000.00	\$58,446.92	\$131,553.08	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>
Agricultural Structural Practices	Agricultural Practices	Federal Funds	Federal Match	\$112,048.00	\$7,529.98	\$104,518.02	Y
Agricultural Structural Practices	Agricultural Practices	Landowner Fund	Landowner Match	\$20,000.00	\$21,992.30	(\$1,992.30)	Y
Soil Health Education and Outreach	Education/Information	Current State Grant	North Fork Crow River FY2022 Watershed-Based Implementation	\$21,000.00	\$3,000.00	\$18,000.00	N
Groundwater Practices	Groundwater	Current State Grant	North Fork Crow River FY2022 Watershed-Based Implementation	\$10,000.00		\$10,000.00	N
Groundwater Practices	Groundwater	Landowner Fund	Landowner Match	\$1,000.00		\$1,000.00	Y
Agricultural NS Management Practices	Non-Structural Management Practices	Current State Grant	North Fork Crow River FY2022 Watershed-Based Implementation	\$150,000.00	\$43,284.00	\$106,716.00	N
Project Development	Project Development	Current State Grant	North Fork Crow River FY2022 Watershed-Based Implementation	\$155,000.00	\$924.00	\$154,076.00	N
Riparian or Shoreland Protection	Streambank or Shoreline Protection	Current State Grant	North Fork Crow River FY2022 Watershed-Based Implementation	\$260,000.00		\$260,000.00	N
Technical and Engineering Assistance	Technical/Engineering Assistance	Current State Grant	North Fork Crow River FY2022 Watershed-Based Implementation	\$116,000.00	\$41,339.35	\$74,660.65	N

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Nutrients (Nitrate)	587	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	72.46	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	43	Lbs/Yr
Water Pollution (Reduction Estimates)	Nutrients (Nitrate)	10760	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	215	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	543	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	362	Tons/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	950	Tons/Yr
Pollution Prevention	Prevention	10	Count

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Nitrogen	7791.27	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	404.73	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	2161.2	Tons/Yr
Water Pollution (Reduction Estimates)	Nitrogen	70.26	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	48.32	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	77.67	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	43.27	Tons/Yr

Grant Activities

Activity Name: Agricultural NS Management Practices

Activity Category: Non-Structural Management Practices

Staff time?: No

Description: Funding will be used to enroll a goal of 1000 acres in soil health and agricultural management practices such as, but not limited to, tillage reduction practices, cover crop utilization, nutrient management, rotational grazing, MAWQCP or other land management programs, following the adopted non-structural management practices policy. Policies are reviewed biennially with the goal of long-term practice adoption. Priority for funding will be given to contracts identified in local priority areas in the Plan Amendment or as identified through PTMApp. This refers to those local priorities identified on the planning region maps within the amended CWMP. These local priorities will be evaluated periodically, and additional funding may be allocated in other planning regions as opportunities arise. Practices will be targeted using PTMApp and best professional judgement. Priority will be given to practices identified as Top 250 Practice and filtration or protection practices within catchments directly contributing to areas identified as local priorities in the planning regions.

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 FY2022 Watershed-Based Implementation	\$150,000.00	\$43,284.00	\$106,716.00	12/18/2023	N

Actual Results

2/1/2024

To date \$43,284 has been spent on three contracts for cover crops and residue & tillage management practices.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	2161.2	Tons/Yr
Phosphorus (Est. Reduction)	404.73	Lbs/Yr
Nitrogen	7791.27	Lbs/Yr

Activity Action Name:	Marxen - Cover Crops	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 54 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	3 year contract for cover crops interseeded into corn and soybeans	Install Date: 10/17/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	739.44	PTMApp - Catchment	Cokato Lake Creek
Phosphorus (Est. Reduction)	Lbs/Yr	36.57	PTMApp - Catchment	Cokato Lake Creek
Sediment (Tss)	Tons/Yr	223.02	PTMApp - Catchment	Cokato Lake Creek

Activity Action Name:	Daluge - Strip-till	Activity Count: 10
Practice Type:	329 - Residue & Tillage Management (no/strip-till)	Size/Units: 295 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	3 year contract for strip-till in corn and soybean rotation	Install Date: 11/03/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	170.58	PTMApp - Catchment	Lake Washington
Nitrogen	Lbs/Yr	3221.97	PTMApp - Catchment	Lake Washington
Sediment (Tss)	Tons/Yr	961.86	PTMApp - Catchment	Lake Washington

Activity Action Name:	Marxen - No-till	Activity Count: 1
Practice Type:	329 - Residue & Tillage Management (no/strip-till)	Size/Units: 54 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	3 year contract for no-till in a corn and soybean rotation	Install Date: 10/17/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	40.95	PTMApp - Catchment	Cokato Lake Creek
Sediment (Tss)	Tons/Yr	251.7	PTMApp - Catchment	Cokato Lake Creek
Nitrogen	Lbs/Yr	773.04	PTMApp - Catchment	Cokato Lake Creek

Activity Action Name:	Kohnen - Cover Crops	Activity Count: 2
Practice Type:	340 - Cover Crop	Size/Units: 96 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	3 year contract of cover crop and strip-till after Corn and soybean harvest.	Install Date: 10/01/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	1494.45	PTMApp - Catchment	Mud Lake
Sediment (Tss)	Tons/Yr	340.44	PTMApp - Catchment	Mud Lake
Phosphorus (Est. Reduction)	Lbs/Yr	73.89	PTMApp - Catchment	Mud Lake

Activity Action Name:	Kohnen - Strip-till	Activity Count: 2
Practice Type:	329 - Residue & Tillage Management (no/strip-till)	Size/Units: 97 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	3 year contract for cover crops and strip-till after corn and soybeans	Install Date: 10/01/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	82.74	PTMApp - Catchment	Mud Lake
Nitrogen	Lbs/Yr	1562.37	PTMApp - Catchment	Mud Lake
Sediment (Tss)	Tons/Yr	384.18	PTMApp - Catchment	Mud Lake

Activity Name: Agricultural Structural Practices

Activity Category: Agricultural Practices

Staff time?: No

Description: Planning Region (s): Local priorities within each planning region, as mapped in the amended CWMP.

Funding Priority(s): Top 250 practices, identified practices within the local priority areas, and best professional judgement. The Technical Advisory Committee will set a threshold for funding utilizing the project ranking sheet as an evaluation tool of practice effectiveness.

Activity Description: Funding will be used to provide cost-share for construction-related costs of structural agricultural practices. Practices will be targeted within the local priority area of each planning region. Priority practices will consist of WASCObS, grassed waterways, grade stabilization, wetland establishment, as well as top practices identified by PTMap and best professional judgement. Priority for structural practices in these planning regions will be evaluated periodically, and additional funding for project implementation may be allocated in other planning regions as opportunities arise.

Outcomes: Budgeted amount will fund approximately 13 WASCObS, 3 grassed waterways, and 1 grade stabilization, or a combination of other practices listed in the planning regions. Actual reductions will depend on location within the selected planning regions.

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 FY2022 Watershed-Based Implementation	\$190,000.00	\$58,446.92	\$131,553.08	12/18/2023	N
Federal Funds	Federal Match	\$112,048.00	\$7,529.98	\$104,518.02	12/18/2023	Y
Landowner Fund	Landowner Match	\$20,000.00	\$21,992.30	(\$1,992.30)	12/18/2023	Y

Actual Results

2/1/2024

To date \$58,446.92 has been spent on three projects. All funds in this activity have been encumbered.

Final Indicators		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Nitrogen	70.26	Lbs/Yr
Phosphorus (Est. Reduction)	48.32	Lbs/Yr
Soil (Est. Savings)	43.27	Tons/Yr
Sediment (Tss)	77.67	Tons/Yr

Activity Action Name:	Schmidt Lined Waterway	Activity Count: 1
Practice Type:	468 - Lined Waterway or Outlet	Size/Units: 160 - Cfu
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	Installed a 160' of rock lined waterway	Install Date: 07/27/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	10.54	Bwsr Calc (Stream & Ditch Stabilization)	Lake Washington
Soil (Est. Savings)	Tons/Yr	10.54	Bwsr Calc (Stream & Ditch Stabilization)	Lake Washington
Sediment (Tss)	Tons/Yr	10.54	Bwsr Calc (Stream & Ditch Stabilization)	Lake Washington

Activity Action Name:	Richard Thompson WASCOB	Activity Count: 1
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 1 - Acre-Feet/Yr
TA Provider/JAA:	NRCS	Lifespan: 10 Years
Practice Description:	Installed 1 water and sediment control basin to address in field gully erosion.	Install Date: 09/22/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	32.73	Bwsr Calc (Gully Stabilization)	Lake Koronis Creek
Phosphorus (Est. Reduction)	Lbs/Yr	32.73	Bwsr Calc (Gully Stabilization)	Lake Koronis Creek
Soil (Est. Savings)	Tons/Yr	32.73	Bwsr Calc (Gully Stabilization)	Lake Koronis Creek

Activity Action Name:	Sicheneder WaSCoBs	Activity Count: 7
Practice Type:	638 - Water and Sediment Control Basin	Size/Units:
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:		Install Date: 12/13/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	5.05	PTMApp - Catchment	North Fork Crow River
Nitrogen	Lbs/Yr	70.26	PTMApp - Catchment	North Fork Crow River
Sediment (Tss)	Tons/Yr	34.4	PTMApp - Catchment	North Fork Crow River

Activity Name: Grant Administration and Plan Coordination

Activity Category: Administration/Coordination

Staff time?: Yes

Description: The Wright County SWCD has been appointed by the Policy Committee to act as the fiscal agent and coordinator on behalf of the partners. Funding will be utilized to meet FY22 WBIF Policy and other requirements of the BWSR Grants Administration Manual (GAM). Fiscal agent activities include, but are not limited to, tracking grant expenditures, processes payments on behalf of partners, assisting with grant reporting and other financial responsibilities. Coordination activities include, but are not limited to, organizing work group meetings, policy committee meetings, developing agendas, completing required reporting and other tasks associated for the implementation of grant activities as assigned in the approved operating agreement.

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 FY2022 Watershed-Based Implementation	\$218,477.00	\$62,361.47	\$156,115.53	12/29/2023	N

Actual Results

2/1/2024

To date \$62,361.47 has been spent on grant administration and coordination.

Activity Name: Groundwater Practices

Activity Category: Groundwater

Staff time?: No

Description: Funding will be used to seal old and abandoned wells for groundwater / drinking water protection against potential contamination from above-ground sources. Partners will follow NFCRWPP cost-share payment rates: 75% cost share up to \$500 per well in non-priority areas; 100% cost share up to \$2,500 per well in priority areas. Funding may also be allocated towards activities that promote protection of groundwater such as irrigation management practices, or other practices identified in the plan. Priority will be given to wells within designated DWSMAs or high/moderately high nitrogen infiltration risk areas. Practices will also be targeted within areas identified as local priority for groundwater concern.

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 FY2022 Watershed-Based Implementation	\$10,000.00		\$10,000.00		N
Landowner Fund	Landowner Match	\$1,000.00		\$1,000.00		Y

Actual Results

2/1/2024

To date no funds have been spent, however all funds have been encumbered.

Activity Name: Project Development

Activity Category: Project Development

Staff time?: Yes

Description: Planning Region(s): Watershed-wide

Target Area(s) / Resource(s): Local regional priorities, as defined by planning region maps in amended CWMP

Funding Priority(s): 50% of time spent on follow-up of Top 250 BMPs or subwatershed assessment reports. 50% of time spent on landowner contact, site visits and field walkovers in priority areas (outside of the Top 250 practices).

Project funds will be allocated to each partner based on TAC recommendations for distribution. Project development will include staff time for activities such as, but not limited to, field walkovers through MAWQCP, conducting site visits and investigations, completing contracting processes and other activities to advance project implementation in local priority areas. Partners will target 50 landowner contacts through project development efforts. Funds may also be used for partners to conduct subwatershed assessments in priority areas identified in the amended plan for the purpose of identifying targeted practices for implementation. These SWAs may consist of the revised PTMApp data for each planning region, assessing the new Top 250 practices for feasibility for further landowner contact, or to contract with a consultant or another partner to complete these assessments. Activities will be conducted within the local planning regions, targeted to those areas identified in the local priority maps, identified Top 250 practices, or using best professional judgement by evaluating criteria such as engaged landowners, additional funding opportunities and other contributing factors.

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 FY2022 Watershed-Based Implementation	\$155,000.00	\$924.00	\$154,076.00	12/29/2023	N
Actual Results						
2/1/2024						
To date \$924.00 has been spent.						

Activity Name: Riparian or Shoreland Protection

Activity Category: Streambank or Shoreline Protection **Staff time?:** No

Description: Funding will be used as cost-share for structural practices to address issues identified through the river assessment process and as stated in the MFCRWD CD47 streambank restoration technical memo. Priority funding will be practices that address livestock access to the river bank, which has been shown to significantly contribute to channel instability and erosion, as well as those identified in current subwatershed assessment reports, and the MFCRWD CD47 streambank restoration technical memo. MFCRWD is in the process of finalizing project design and contracting, utilizing 103D authorities for construction and maintenance as well as to meet financial assurance requirements for streambank stabilization practices. Practices will follow the FOTG or other design standards and may include those structural practices considered for a livestock exclusion / management practices which may consist of, but is not limited to fencing, watering systems, crossing or other practices to limit access to sensitive riparian features. Projects will be targeted throughout the main stem of the river (as identified through the river assessment), within the CD 47 technical memo and will include 103E drainage system tributaries to the main stem of the river.

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 FY2022 Watershed-Based Implementation	\$260,000.00		\$260,000.00		N

Actual Results

2/1/2024
To date no funds have been spent, however \$160,000 has been encumbered to one project.

Activity Name: Soil Health Education and Outreach

Activity Category: Education/Information

Staff time?: Yes

Description: Planning Region (s): Watershed-wide

Target Area(s) / Resource(s): One event per planning region

Funding Priority(s): Planning regions with a local priority for implementing non-structural practices as identified in the amended plan document.

Activity Description: Funding will be used to conduct a series of soil health related workshops, designed to educate interested producers on the benefits of reduced tillage, cover crops, and other management strategies. The goal for conducting these workshops is to increase adoption of soil health practices throughout the watershed. Grant funds will be used to cover the costs of staff time to coordinate speakers, meeting space rental / use costs, promotional items such as but not limited to meals, and speaker fees. Target goal is to host one workshop per year per planning region or multiple workshops per year for those planning regions with a local priority for implementing non-structural practices.

Outcome(s): Host a minimum of seven (7) workshops focused on the benefits of management practices for soil health, with a goal of 70 participants.

Workplan Goal(s): A focused and assertive outreach effort which provides a list of workshop attendees, documented topics of interest, and list of potential landowners to follow-up with for program enrollment. Create ongoing relationships with interested landowners and develop a network of mentors across the watershed.

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 FY2022 Watershed-Based Implementation	\$21,000.00	\$3,000.00	\$18,000.00	04/10/2023	N

Actual Results

2/1/2024

To date \$3,000.00 has been spent on one soil health event.

Activity Name: Technical and Engineering Assistance

Activity Category: Technical/Engineering Assistance

Staff time?: Yes

Description: Technical and engineering assistance includes expenses not limited to field survey, design, modeling, and construction observation from a licensed professional engineer (50%) or staff with appropriate NRCS Job Approval Authority (50%) for the specific practice. Partner JAA documentation may be requested to verify technical signoffs. Individual JAA can be requested from the individual offices. Funding may be used to hire additional, or supplement, staff or consultant to assist with survey and design work. Approximately 20 projects will be designed according to the NRCS FOTG, MN Stormwater Manual, BlueThumb Guide, or professional engineering standards. Technical and engineering funds will only be spent on eligible water quality related components of best management practices up to 20% of the total approved project funding for structural projects and up to 10% of the total approved project funding for management practices. Amounts greater than 20% will require additional TAC approval.

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 FY2022 Watershed-Based Implementation	\$116,000.00	\$41,339.35	\$74,660.65	12/31/2023	N

Actual Results

2/1/2024

To date \$41,339.35 has been spent.