



Grant Work Plan

Projects and Practices 2021

Grant Title: 2021 Sunrise River Phase II Lower St. Croix CWMP Implementation **Grant Award (\$):** \$200,000.00

Grant Execution Date: 03/05/2021

Grant ID: C21-1088

Required Match (%): 25

Grant End Date: 12/31/2024

Grantee: Chisago SWCD

Required Match (\$): \$50,000.00

Fiscal Agent: Chisago SWCD

Grant Day-to-Day Contact: Craig Mell

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$200,000.00	\$200,000.00	\$0.00
Match Funds	\$50,500.00	\$50,000.00	\$500.00
Other Funds	\$0.00	\$0.00	\$0.00
Total	\$250,500.00	\$250,000.00	\$500.00

*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?
Education/Outreach	Education/Information	Local Fund	Local Match	\$500.00		\$500.00	Y
Construction of Urban BMPs	Urban Stormwater Management Practices	Local Fund	Local Match	\$50,000.00	\$50,000.00	\$0.00	Y
Administration	Administration/Coordination	Current State Grant	2021 Sunrise River Phase II Lower St. Croix CWMP Implementat..	\$15,000.00	\$9,830.50	\$5,169.50	N

Activity Name	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
Technical Assistance/Engineering	Technical/Engineering Assistance	Current State Grant	2021 Sunrise River Phase II Lower St. Croix CWMP Implementat..	\$55,000.00	\$56,414.50	(\$1,414.50)	N
Construction of Urban BMPs	Urban Stormwater Management Practices	Current State Grant	2021 Sunrise River Phase II Lower St. Croix CWMP Implementation	\$130,000.00	\$133,755.00	(\$3,755.00)	N

Indicator Summary

Indicator Category	Proposed Indicator	Total Value	Unit
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	50	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	50	Tons/Yr

Indicator Category	Final Indicator	Total Value	Unit
Stormwater Management	Volume Reduced (Acre-Feet/Year)	20.03	Acre-Feet/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	65.82	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	50.35	Tons/Yr

Grant Activities

Activity Name: Administration	
Activity Category: Administration/Coordination	Staff time?: Yes
<p>Description: Carry out administrative duties associated with executing the grant agreement, fulfilling reporting requirements, preparing contracts, tracking activities and hours, etc. Craig Mell, District Administrator will be responsible for activities including grant agreements, contracts, time tracking, and reporting to the SWCD Board. Jacquelynn Kelzenberg, Conservation Technician will be responsible for elink reporting.</p>	
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 Sunrise River Phase II Lower St. Croix CWMP Implementat..	\$15,000.00	\$9,830.50	\$5,169.50	12/03/2024	N
Actual Results						
As of April 1st, 2021 Admin work creating program log for grant program						
As of July 1, 2021 Admin work updating program log for quarterly reporting						
As of Jan 1, 2022 Admin work updating program log for quarterly reporting						
As of April 4, 2022 Admin work updating program log for quarterly reporting						
As of July 1, 2022 Admin work updating program log for quarterly reporting						
As of Jan. 1, 2023 Administration work was spent updating program log for quarterly reporting and eLink reporting.						
As of April 6, 2023 Admin work on project budgets and meetings.						
As of July, 11, 2023 Admin work on project budgets and meetings						
As of December 28, 2023 admin work has been spent on eLink reporting for completed projects, budget maintenance and project payments.						
Admin work on project budgets and meetings						
Admin work reporting on grant, managing contracts, working with partners and reporting to board.						

Activity Name: Construction of Urban BMPs

Activity Category: Urban Stormwater Management Practices

Staff time?: No

Description: Funds to implement the plans and designs, including material and labor costs. A Stormwater Retrofit Assessment (SRA) will help to identify the best locations for stormwater projects, including, but not limited to, rain gardens, vegetated swales, pervious pavement, infiltration basins, and iron enhanced sand filters. Non-structural BMPs like Enhanced street sweeping will be targeted (see attached rates approved by SWCD board of \$100/curb mile). Priority will be given to projects closest to the NBSR and its tributaries. At least 10 conservation projects will be installed, preventing at least 50 lbs/yr of phosphorus and 50 tons/yr sediment from entering the NBSR. Contract holders will also agree to and sign an operation and maintenance plan for their project which outlines requirements to best care for their project for its effective life. The landowner is responsible for soliciting bids for the project and for hiring a contractor. In some cases, the landowner signs a document that allows the Chisago SWCD or the City of North Branch to solicit bids on the landowners' behalf. When bids are received, the Chisago SWCD reviews them to ensure that the costs are reasonable and within the budget allotted for the project. The SWCD has a list of contractors that we have worked with on prior projects that the landowner can use if they choose. The landowner is also free to solicit bids from companies not on the list. Once the SWCD has approved bids as being acceptable and within the budget limits or the landowner has agreed to pay any costs above and beyond the SWCD's project, the landowner makes the final decision on which bid to accept.

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 Sunrise River Phase II Lower St. Croix CWMP Implementation	\$130,000.00	\$133,755.00	(\$3,755.00)	12/03/2024	N
Local Fund	Local Match	\$50,000.00	\$50,000.00	\$0.00	12/06/2023	Y

Actual Results

As of Jan. 1, 2023

No action

Construction of 5 bioretention basins completed on Grand Ave in North Branch to assist with stormwater runoff.

As of December 1, 2024 Year 1 of enhanced street sweeping 70 curb miles completed (1of3).

Final Indicators		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	50.35	Tons/Yr
Phosphorus (Est. Reduction)	65.82	Lbs/Yr
Volume Reduced (Acre-Feet/Year)	20.03	Acre-Feet/Yr

Activity Action Name: SR 21-02	Activity Count: 1
Practice Type: 516M: Enhanced Street Sweeping	Size/Units: 70 - Count
TA Provider/JAA: SWCD	Lifespan: 1 Year
Practice Description: Three years of 70 curb miles enhanced street sweeping. See attached map.	Install Date: 03/01/2024
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	49	Other	Sunrise River
Phosphorus (Est. Reduction)	Lbs/Yr	49.52	Other	Sunrise River

Activity Action Name: Grand Ave	Activity Count: 5
Practice Type: 712M - Bioretention Basin	Size/Units: 5 - Count
TA Provider/JAA: SWCD	Lifespan: 10 Years
Practice Description: bioretention basins installed to assist with stormwater runoff in the city of North Branch.	Install Date: 11/01/2023
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Volume Reduced (Acre-Feet/Year)	Acre-Feet/Yr	20.03	MIDS	Sunrise River
Phosphorus (Est. Reduction)	Lbs/Yr	16.3	MIDS	Sunrise River
Sediment (Tss)	Tons/Yr	1.35	MIDS	Sunrise River

Activity Name: Education/Outreach

Activity Category: Education/Information

Staff time?: No

Description: In partnership with the City of North Branch we hold a projects tour for local officials and residents highlighting completed CWF projects before the grant is completed. Keeping the SWCD website and Facebook page up to date with new and upcoming projects is also a focus within the office. Showcasing new projects brings interaction from the community.

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	\$500.00		\$500.00		Y

Actual Results

As of Jan. 1, 2023

No action

Activity Name: Project Development

Activity Category: Project Development

Staff time?: No

Description: Choosing highly visible areas to install BMPs is important to teach the community what can and is being done to improve water quality in their community. Visiting with landowners at City events and through door-to-door knocking is a crucial part of project development for these programs. Through these continued outreach efforts, many people are exposed to the program and the need for conservation efforts. Keeping the SWCD website and Facebook page up to date with new and upcoming projects is also a focus within the office. Showcasing new projects brings interaction from the community.

Actual Results

Activity Name: Technical Assistance/Engineering

Activity Category: Technical/Engineering Assistance

Staff time?: Yes

Description: Conservation plan design, engineering practices designs, ensuring projects meet practice standards of either NRCS or MN Stormwater Manual, construction oversight and certification. The primary local technical and engineering assistance support will be provided by Chisago SWCD staff Casey Thiel, Jacquelynn Kelzenberg and Shane Hultman. For a complete list of JAA, contact the SWCD. Project certification will be performed by staff with NRCS Job Approval Authority, NRCS engineering staff or contracted out to engineers with their PE license. Engineers may include Rebecca Nestingen with Washington Conservation District or the City of North Branch contracted engineering firm WSB.

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Current State Grant	2021 Sunrise River Phase II Lower St. Croix CWMP Implementat..	\$55,000.00	\$56,414.50	(\$1,414.50)	12/03/2024	N

Actual Results

As of Jan 1, 2022

Technical staff meeting with the City of North Branch on potential projects like rain gardens and other infiltration BMPs.

As of April 4, 2022

Technical staff developing project designs

As of July 1, 2022

Staff working with engineers on designs and meeting with City of NB staff to discuss projects

As of Jan. 1, 2023

Technical staff working with engineers on designs and meeting with City of NB staff to discuss projects.

As of April 6, 2023

Technical staff meeting with engineers regarding project design, location, planning, etc.

As of July 11, 2023 Technical staff meeting with city staff to coordinate project and engineering

As of December 28, 2023 Technical staff worked to manage multi- raingarden project with the City of North Branch conducting pre-construction meetings, construction oversight and working with the engineer on sign off.

Technical staff working with partners on agreements to conduct street sweeping.

Technical staff working with partners on street sweeping plans, timing and gathering pollution reduction numbers.