



Grant All-Detail Report

Watershed Based Implementation JAN 2021

Grant Title - 2021 Metro WBIF – Lower MN South – Scott WMO

Grant ID - C21-3113

Organization - Scott County WMO

Original Awarded Amount	\$325,500.00	Grant Execution Date	4/19/2021
Required Match Amount	\$32,550.00	Original Grant End Date	12/31/2023
Required Match %	10%	Grant Day To Day Contact	Ryan Holzer
Current Awarded Amount	\$325,500.00	Current End Date	12/31/2023

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$325,500.00	\$7,232.20	\$318,267.80
Total Match Amount	\$54,500.00	\$0.00	\$54,500.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$380,000.00	\$7,232.20	\$372,767.80

*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	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
1 - TA & Engineering	Technical/Engineering Assistance	Current State Grant	2021 Metro WBIF – Lower MN South – Scott WMO	\$36,000.00	\$3,413.30	12/31/2021	N
2 - Ag BMP Installation	Agricultural Practices	Current State Grant	2021 Metro WBIF – Lower MN South – Scott WMO	\$234,757.62			N
2 - Ag BMP Installation	Agricultural Practices	Landowner Fund	Cooperator	\$25,518.27			Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2 - Ag BMP Installation	Agricultural Practices	Local Fund	SWMO	\$16,235.00			Y
3 - Streambank and Shoreline Protection	Streambank or Shoreline Protection	Current State Grant	2021 Metro WBIF – Lower MN South – Scott WMO	\$19,242.38			N
3 - Streambank and Shoreline Protection	Streambank or Shoreline Protection	Landowner Fund	Cooperator	\$8,246.73			Y
Scott County Enhanced and Expanded K5-8 Conservation Education Program	Education/Information	Current State Grant	2021 Metro WBIF – Lower MN South – Scott WMO	\$35,500.00	\$3,818.90	12/31/2021	N
Scott County Enhanced and Expanded K5-8 Conservation Education Program	Education/Information	Local Fund	SWMO	\$4,500.00			Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
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Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Lower MN River Watershed Targeted TMDL Practice Installations	VOLUME REDUCED (ACRE- FEET/YEAR)	11.5 ACRE-FEET/YR	Minnesota River	Other	SWCD/WMO Runoff Reducing Calculator
Lower MN River Watershed Targeted TMDL Practice Installations	PHOSPHORUS (EST. REDUCTION)	775 LBS/YR	Minnesota River	BWSR CALC (SHEET AND RILL)	
Lower MN River Watershed Targeted TMDL Practice Installations	SEDIMENT (TSS)	880 TONS/YR	Minnesota River	BWSR CALC (SHEET AND RILL)	

Final Indicators Summary

Indicator Name	Total Value	Unit
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Grant Activity

Grant Activity - 1 - TA & Engineering

Description	<p>This activity includes staff time associated with implementation of BMP's, including but not limited to: meeting with landowners; conducting site investigations and surveys; preparing preliminary designs, cost estimates, cost share application, and voucher documents; preparing designs; compiling construction and seeding plans; performing construction layouts and inspections, certification, oversight and administration.</p> <p>Staff at the Scott SWCD include 4 Resource Conservationists, 1 Nat. Resource Specialist and 1 Ag Program Specialist, with a combined 70+ years of experience. All 6 staff will be providing technical and cost share support for the above-listed activities. Their collective JAA varies widely in both scope and level, for both ecological and engineering projects. When JAA is insufficient to design or certify a project in-house, we will use a professional engineer licensed to practice in MN through the TSA 8 NPEA Program. Staff at the Scott WMO include a Water Resources Supervisor, Senior Planner, Administrative Assistant Professional Engineer and Water Resources Scientist, with a combined 70+ years of experience.</p> <p>Practice planning, design and installation for structural and ecological practices will adhere to applicable standards and specs. as set forth in the USDA NRCS e-FOTG, Section IV, and applicable Technical Releases, MN Supplements, and MN construction standards and materials specifications.</p> <p>The technician category which will expend 100% of funds for technical assistance and engineering.</p> <p>Milestones include:</p> <p>2021 - Targeted outreach to 50% landowners in high priority areas. Expend 20% of funds.</p> <p>2022 - Continue targeted outreach as needed to landowners in high priority areas. Expend 40% of funds.</p> <p>2023 - Continue targeted outreach as needed to landowners in high priority areas. Expend 100% of funds.</p>		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	19-Apr-21	End Date	31-Dec-23
Has Rates and Hours?	Yes		

Actual Results

1/28/22 RJH: Technical engineering and assistance has started for projects. There was one conservation project that has been approved for this funding source. Project management and administration is also occurring for this activity.

Grant Activity - 2 - Ag BMP Installation

<p>Description</p>	<p>Funds will be used to provide percent based cost share and/or flat rate incentive payments, as applicable, for implementation of Conservation Cover (327), Cover Crops (340) and structural projects. Eligible structural projects include WASCOB's (638), Grassed Waterways (412), Lined Waterways (468), Critical Area Plantings (342), Terraces (600), Grade Stab. (410) and Diversions (362).</p> <p>Cost share will be administered per the WMO's 2021 cost share policy, as amended subject to BWSR prior-approval. For Conservation Cover, incentives up to \$200/ac/yr will be provided for the initial 3 years of 10-yr contracts. For Cover Crops, incentives of up to \$40/ac/yr will be provided for 3 year contracts. All grant funds will be spent within the grant period. Cooperators will be required to maintain structural and conservation cover practice for a 10-year effective-life. Crops projects O&M will be required for a minimum of 3 yrs within a 5-yr period.</p> <p>Project targeting will include: DNR protected waters and wetlands in the Tier 1 Southwest Subwatershed, Tier 2 Credit River Subwatershed, Tier 3 Sand Creek Subwatershed, Tier 4 Thole and O'Dowd lakes subwatersheds.</p> <p>Practices will be designed & constructed following NRCS eFOTG Section IV and applicable technical notes & construction standards & materials specifications.</p> <p>Staff with appropriate job approval authority (JAA) issued pursuant to USDA-NRCS NEM 501 Subpart A and NI 190 Part 311 will certify projects before payments are issued. A professional engineer will be used to design and/or certify projects that exceed internal JAA.</p> <p>Est. Indicators: 11.5 ac-ft volume reduction, 755 T/yr TSS and 860 LBS/yr TP</p> <p>Milestones include:</p> <p>2021 - Expend 20% of funds in Ag BMP practices.</p> <p>2022 - Expend 40% of funds in Ag BMP practices.</p> <p>2023 - Expend 100% of funds in Ag BMP practices and complete implementation of 10 Ag BMPs, 1000 acres of Cover Crops, and 30 acres of Conservation Cover.</p>		
<p>Category</p>	<p>AGRICULTURAL PRACTICES</p>		
<p>Start Date</p>	<p>19-Apr-21</p>	<p>End Date</p>	<p>31-Dec-23</p>
<p>Has Rates and Hours?</p>	<p>Yes</p>		

Actual Results

1/28/22 RJH: There was one project approved in 2021 for a conservation cover project. This project is for 4.2 acres. Marketing has started for this activity and project management and administration as well.

Grant Activity - 3 - Streambank and Shoreline Protection

Description	<p>Funds will be used to provide percent based cost share for implementation of an anticipated 400 feet of shoreline and streambank protection.</p> <p>Cost share will be administered per the WMO's 2021 cost share policy, as amended subject to BWSR prior-approval.</p> <p>Cooperators will be required to maintain their practice for its 10-year effective-life following an approved O&M Plan. Satisfactory O&M will be ensured by the SWCD, which will conduct at least 3 inspections over the lifespan of the project.</p> <p>Targeting will include: DNR protected waters and wetlands in the Tier 1 Southwest Subwatershed, Tier 2 Credit River Subwatershed, Tier 3 Sand Creek Subwatershed, Tier 4 Thole and O'Dowd lakes subwatersheds.</p> <p>Practices will be designed and construction following NRCS eFOTG Section IV and applicable technical notes and construction standards and materials specifications. BWSR vegetation establishment and enhancement guidelines will be followed.</p> <p>Staff with appropriate job approval authority (JAA) issued pursuant to USDA-NRCS NEM 501 Subpart A and NI 190 Part 311 will certify projects before payments are issued. A professional engineer will be used to design and/or certify projects that exceed internal JAA.</p> <p>Estimated environmental indicators: 20 T/yr TSS and 20 LBS/yr TP</p> <p>Milestones include:</p> <p>2021 - Expend 20% of funds.</p> <p>2022 - Expend 40% of funds.</p> <p>2023 - Expend 1000% of funds and complete 400 LF Feet of Shoreline & Streambank Protection.</p>		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	19-Apr-21	End Date	31-Dec-23
Has Rates and Hours?	Yes		

Actual Results	1/28/22 RJH: Marketing has started for this activity and project management and administration as well. No projects to date have been encumbered for this activity.
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Grant Activity - Scott County Enhanced and Expanded K5-8 Conservation Education Program

Description	<p>Staff and consultant costs to enhance the existing youth education program including: development of program assessment tools, assessment of current program delivery and effectiveness, increase program accessibility, develop recommendations for and implementation of program improvements, and development of 5 lesson curricula in accordance with applicable MN academic standards. Funds will also help acquire and develop related classroom resources including educational materials, virtual presentation programs, and lesson delivery expenses. Program implementation (in-person & virtual) includes costs for the Conservation in the Classroom (CIC) program. Both programs will educate youth Scott County schools on practices they can implement to improve water quality and seek to increase program participation by underserved communities. Activity goals will be an increase in program participation from 1300 students to 1500 students annually with 1500 students committing to a post-lesson pledge to implement practices that improve water quality annually.</p> <p>Milestones include:</p> <p>2021 - Work with contracted educational specialist to update 5 lesson plans for Conservation in the Classroom (CIC) program.</p> <p>2022 - Host Outdoor Education Days for 1500 students and implement the new CIC program and make revisions to curriculum as needed.</p> <p>2023 - Host Outdoor Education Days for 1500 students and offer virtual and in person CIC courses.</p>		
Category	EDUCATION/INFORMATION		
Start Date	19-Apr-21	End Date	31-Dec-21
Has Rates and Hours?	Yes		
Actual Results	<p>1/28/2022 RJH: The education program started in 2021. An RFP was developed to hire an educational specialist to help develop and assist areas of the program. A consultant was chosen from the process, which is Mackin Learning Resources. A contract is being developed by the Scott SWCD for the consultant to enter into. First though, the WMO needs to incorporate the ability for the Scott SWCD to enter into contract with the consultant through the WMO/SWCD annual service agreement and subcontracting authority. This will hopefully be resolved in early 2022.</p>		

Grant Attachments

Document Name	Document Type	Description
2021 TACS Docket	Grant	2021 Metro WBIF – Lower MN South – Scott WMO
2021 Watershed Based Implementation Funding	Grant Agreement	2021 Watershed Implementation Funding - Scott County WMO
2021 Watershed Based Implementation Funding EXECUTED	Grant Agreement	2021 Watershed Implementation Funding - Scott County WMO
Application	Workflow Generated	Workflow Generated - Application - 01/28/2021
Application	Grant	2021 Metro WBIF – Lower MN South – Scott WMO
Milestones	Grant	2021 Metro WBIF – Lower MN South – Scott WMO
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 02/02/2021
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/22/2021
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/10/2021