



Grant All-Detail Report Projects and Practices 2020

Grant Title - Phase 1 of Five Mile Creek and Marsh Lake Improvement Strategy

Grant ID - C20-7122

Organization - Big Stone SWCD

Original Awarded Amount	\$274,000.00	Grant Execution Date	2/28/2020
Required Match Amount	\$68,500.00	Original Grant End Date	12/31/2022
Required Match %	25%	Grant Day To Day Contact	Tammy Neubauer
Current Awarded Amount	\$274,000.00	Current End Date	12/31/2022

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$274,000.00	\$0.00	\$274,000.00
Total Match Amount	\$68,500.00	\$0.00	\$68,500.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$342,500.00	\$0.00	\$342,500.00

**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	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Cost Share for Ag Practices	Agricultural Practices	Current State Grant	Phase 1 of Five Mile Creek and Marsh Lake Improvement State..	\$240,000.00			N
Cost Share for Ag Practices	Agricultural Practices	Landowner Fund	landowner match funds	\$60,000.00			Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Engineering Services and Technical Assistance	Technical/Engineering Assistance	Current State Grant	Phase 1 of Five Mile Creek and Marsh Lake Improvement Strate..	\$30,000.00			N
Engineering Services and Technical Assistance	Technical/Engineering Assistance	Local Fund	local match	\$7,500.00			Y
Grant Management and Reporting	Administration/Coordination	Current State Grant	Phase 1 of Five Mile Creek and Marsh Lake Improvement Strate..	\$4,000.00			N
Grant Management and Reporting	Administration/Coordination	Local Fund	local match	\$1,000.00			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
Cost Share for Ag Practices	PHOSPHORUS (EST. REDUCTION)	89.1 LBS/YR	Five Mile Creek/Marsh Lake	Other	PTMapp applied calc tool
Cost Share for Ag Practices	SEDIMENT (TSS)	532.6 TONS/YR	Five Mile Creek/Marsh Lake	Other	PTMapp applied calc tool

Final Indicators Summary

Indicator Name	Total Value	Unit
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Grant Activity

Grant Activity - Cost Share for Ag Practices

Description	<p>Ref: Big Stone County Local Water Management Plan: Chapter One, sec 3, pages 1-10; sec 4, 2.F.5; 3.G.4; SWCD Clean Water Funding Projects -</p> <p>This activity will be used to provide cost share assistance to landowners who participate in highly valued & targeted (PTMapp) BMPs in the project areas, as installing WASCoBs (NRCS techn std 638). Non-structural practices such as cover crops (std 340) & conservation tillage (stds 329, 345) (in complement to the WASCoB structures) that will reduce soil erosion & protect surface water quality. These projects will be designed by qualified engineers through the WCTSA (credentials listed in Engineering Activity) & will ensure the use of appropriate practice standards for design, construction, operation, & maintenance of the work plan projects by following the FOTG standards. As identified in the Targeted Implementation Plan & calculated using PTMApp, the proposed actions of this activity, including the 19 pre-designed WASCoBs, will reduce 532.6 tons of sediment (15% & 3% of the overall goal in Cty Ditch 2 and Marsh Lake, respectively) 89.1 lbs of phosphorus (9% & 1% of the overall goal in Cty Ditch 2 and Marsh Lake, respectively).</p> <p>Landowners that install WASCoBs will be offered maximum cost share assistance at 75%. The remaining 25% of total project costs will be landowners' match funds, or other non-state funding match. The non-structural practices (cover crops, conservation tillage) will use the BS SWCD 2020 ECWMP Policy, that will apply the payment rate of \$10/ ac/yr, max 160 acres, for a 3-year contract life for practice Std 329 conservation tillage; and \$35/ac/yr (single spp) and \$40/ac/yr (multiple spp) Std 340 cover crops for 3 years, max payment of \$4800. Project assurances will include using the State Cost Share contract & following procedures as required in the BWSR Grants Administration Manual. With guidance from BWSR, the BS SWCD Board of Supervisors has approved the 2020 ECWMP Policy as the policy authority.</p>	
Category	AGRICULTURAL PRACTICES	
Start Date		End Date
Has Rates and Hours?	No	
Actual Results		

Grant Activity - Engineering Services and Technical Assistance

Description

This fund will be used toward the time of installation and oversight of the projects being installed, as well as technical staff time for final engineering of the project and technical assistance.

Ref: Big Stone County Local Water Management Plan - to provide for technical time of District staff with JAA, and the engineering services of the West Central Technical Service Area staff, who will assist in designing structural engineered practices and will ensure appropriate operation and maintenance plans of approved conservation practices and their approved specifications as listed in the FOTG. Ross Reiffenberger, WCTSA Engineer, and Steve Linow, Civil Engineering Technician, have appropriate design, construction, operation, maintenance and sign off credentials for these 19 shovel ready projects. Their JAA authority Skills Matrix and credentials are on file at the Big Stone SWCD office. In the event that JAA from the WCTSA cannot be met for design and/or sign off on these projects, the Board of Supervisors will approve engineering services that can ensure their qualifications and credentials to meet the FOTG specifications.

Category

TECHNICAL/ENGINEERING ASSISTANCE

Start Date

End Date

Has Rates and Hours?

Yes

Actual Results

Grant Activity - Grant Management and Reporting

Description	<p>This fund will go toward the tracking and reporting of this grant for its duration and provide for informational outreach to landowners.</p> <p>Ref: Big Stone County Local Water Management Plan.</p> <p>This activity will provide for the administrative time with regard to record keeping and reporting of this grant. The District Manager will be responsible for administering, guiding and coordinating staff and partners, while balancing the financial affairs of the grant.</p> <p>This activity will also provide outreach for the organization of informational meetings/workshops for landowners, and field days to educate and showcase the efficiency of WASCoBs and other practices that are repairing gully erosion, as provided in the Grant Improvement Strategy. These informational meetings, workshops and field days will be provided as match funds to this grant activity.</p>	
Category	ADMINISTRATION/COORDINATION	
Start Date	End Date	
Has Rates and Hours?	Yes	
Actual Results		

Grant Attachments

Document Name	Document Type	Description
2020 Competitive Grant	Grant Agreement	2020 Competitive Grant - Big Stone SWCD
2020 Competitive Grant EXECUTED	Grant Agreement	2020 Competitive Grant - Big Stone SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/22/2021
Application	Workflow Generated	Workflow Generated - Application - 09/09/2019
Five Mile Creek And Marsh Lake Sediment Loss Map	Grant	Phase 1 of Five Mile Creek and Marsh Lake Improvement Strategy
Five Mile Creek and Marsh Lake Improvement Strategy Map	Grant	Phase 1 of Five Mile Creek and Marsh Lake Improvement Strategy
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 02/24/2020
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 02/19/2020
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/22/2020
grantmap_25594_2019-09-09_09-26-42-AM.jpg	Grant	Phase 1 of Five Mile Creek and Marsh Lake Improvement Strategy

