



Grant All-Detail Report Projects and Practices 2015

Grant Title - Diamond Lake TMDL Implementation Projects

Grant ID - C15-4412

Organization - Middle Fork Crow River WD

Grant Awarded Amount	\$176,000.00	Grant Execution Date	4/10/2015
Required Match Amount	\$44,000.00	Grant End Date	12/31/2018
Required Match %	25%	Grant Day To Day Contact	Margaret Johnson

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$176,000.00	\$21,738.82	\$154,261.18
Total Match Amount	\$62,079.87	\$4,041.14	\$58,038.73
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$238,079.87	\$25,779.96	\$212,299.91

**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
BMP Installation	Agricultural Practices	Landowner Fund	Landowner Fund	\$27,500.00			Y
BMP Installation - Agricultural	Agricultural Practices	Current State Grant	Diamond Lake TMDL Implementation Projects	\$27,500.00			N
BMP Installation - Waterway Protection/Enhancement	Agricultural Practices	Current State Grant	Diamond Lake TMDL Implementation Projects	\$28,500.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
BMP Installation - Wetland Resto	Wetland Restoration/Creation	Current State Grant	Diamond Lake TMDL Implementation Projects	\$46,312.37			N
Grant Administration	Administration/Coordination	Local Fund	MFCRWD - In-kind	\$7,500.00	\$891.69	12/31/2015	Y
Mileage	Supplies/Equipment	Local Fund	MFCRWD In-kind	\$2,184.00	\$253.58	12/31/2015	Y
Project Development	Project Development	Current State Grant	Diamond Lake TMDL Implementation Projects	\$20,000.00	\$4,540.04	12/31/2015	N
Project Development	Project Development	Local Fund	MFCRWD - In-kind	\$17,000.00			Y
Technical Assistance & Engineering	Technical/Engineering Assistance	Current State Grant	Diamond Lake TMDL Implementation Projects	\$45,000.00	\$8,511.15	12/31/2015	N
Technical Assistance & Engineering	Technical/Engineering Assistance	Local Fund	MFCRWD - In-kind	\$5,000.00			Y
Wetland - Brekke	Wetland Restoration/Creation	Current State Grant	Diamond Lake TMDL Implementation Projects	\$8,687.63	\$8,687.63	12/2/2015	N
Wetland - Brekke	Wetland Restoration/Creation	Local Fund	Landowner Fund	\$2,895.87	\$2,895.87	12/1/2015	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
587 - Structure for Water Control	1	1	0.4 AC	0.4 AC

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
BMP Installation - Agricultural	PHOSPHORUS (EST. REDUCTION)	253 LBS/YR	Diamond Lake	Other	Surface Water Assessment Tool
BMP Installation - Buffer Strips	PHOSPHORUS (EST. REDUCTION)	253.88 LBS/YR	Diamond Lake	BWSR CALC (FILTER STRIP)	
BMP Installation - Wetland Resto	PHOSPHORUS (EST. REDUCTION)	253 LBS/YR	Diamond Lake	Other	Surface Water Assessment Tool
BMP Installation - Wetland Resto	NUTRIENTS (NITRATE)	455 LBS/YR	Diamond Lake	Literature Value	Journal of Soil and Water Conservation - Article by CJ Woltemade
BMP Installation - Buffer Strips	SOIL (EST. SAVINGS)	34.27 TONS/YR	Diamond Lake	BWSR CALC (FILTER STRIP)	
BMP Installation - Buffer Strips	SEDIMENT (TSS)	173.85 TONS/YR	Diamond Lake	BWSR CALC (FILTER STRIP)	

Final Indicators Summary

Indicator Name	Total Value	Unit
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Grant Activity

Grant Activity - BMP Installation		
Description	The MFCRWD will require a 25% match by landowner for any BMPs installed.	
Category	AGRICULTURAL PRACTICES	
Start Date	10-Apr-15	End Date
Has Rates and Hours?	No	
Actual Results	2015: A landowner helped with the project and provided in-kind towards the project - Brekke wetland.	

Grant Activity - BMP Installation - Agricultural

Description	Agricultural BMPs have been allocated \$27,000 of grant funds for activities such as temporary storage, sediment control basins, and side inlets. These will be installed in priority areas and coordinated by MFCRWD staff with help of the Soil and Water Conservation District manager, West Central Technical Service Area, landowners, contractors, and a professional engineer/technical guide or designer. The District will require a 25% match by landowner for agricultural BMPs totaling roughly \$6,875. Cooperation between partners will ensure the correct installation and proper functioning of the BMPs. Temporary storage, sediment control basins, and side inlets will be installed in priority areas and coordinated by MFCRWD staff, Soil and Water Conservation District manager, West Central Technical Service Area, landowners, contractors, and a PE/technical guide or designer. The reduction of installed projects will be 253 pounds per year in Phosphorous.	
Category	AGRICULTURAL PRACTICES	
Start Date	10-Apr-15	End Date
Has Rates and Hours?	No	
Actual Results	2015: Staff has provided information to interested landowners. Some landowners were approached regarding agricultural BMPs. WCTSA was approached regarding designs.	

Grant Activity - BMP Installation - Waterway Protection/Enhancement

Description	In addition to wetland restorations, the District has allotted \$28,500 of grant funds toward buffer strip installation and waterway protection/enhancement. Buffer strips and protection/enhancement projects will be installed in priority locations and coordinated by MFCRWD staff with guidance and/or approval from the Kandiyohi County Ditch Authority, landowners, contractors, and a professional engineer/technical guide or designer. MFCRWD plans to install projects using native vegetation as well as other effective conservation techniques. The District will require a 25% match by landowner for buffer strip installation and waterway protection/enhancement projects totaling roughly \$7,125.	
Category	AGRICULTURAL PRACTICES	
Start Date	10-Apr-15	End Date
Has Rates and Hours?	No	
Actual Results	2015: A review of the water quality results in the Diamond Lake subwatershed was completed. The waterways that are not buffered are a main priority. The north side of Diamond Lake is the greatest nutrient exporter and was the focus this fall. Staff has provided information to interested landowners. Some landowners were approached regarding agricultural BMPs. WCTSA was able to complete a survey and design.	

Grant Activity - BMP Installation - Wetland Resto

Description	Activities under the BMP Installation Initiative include allotting roughly \$55,000 of grant funds toward wetland restorations. Following Kandiyohi County Wetland Conservation Act regulations, wetland restorations will be installed in priority locations and coordinated by MFCRWD staff with help of the Soil and Water Conservation District manager, contractors, professional engineers/technical guides or designers and landowners. The District will require 25% match by landowner for installation of these projects amounting to roughly \$13,750. Also, a 10 year contract of maintenance will be required for these landowners. The District aims to complete 5 wetland restorations to degraded, drained or farmed wetlands. Wetland restorations will be installed in priority locations and coordinated by MFCRWD staff, with the Kandiyohi County Wetland Conservation Act and Soil and Water Conservation District manager, landowners, contractors, and a PE/technical guide or designer. We are hoping for a reduction in Phosphorus by 253 pounds per year and 455 pounds per year in Nitrates.	
Category	WETLAND RESTORATION/CREATION	
Start Date	10-Apr-15	End Date
Has Rates and Hours?	No	
Actual Results	2015: Staff has provided information to interested landowners. Some landowners were approached regarding agricultural BMPs. WCTSA was able to complete a survey and design. Rick Riemer the WCA authority was also brought to a few sites where wetland implementation was to be complete. The installation of a pond skimmer on a ditched constructed wetland was implemented in the fall of 2015. This wetland is not on the U.S. Fish and Wildlife Service National Wetland Inventory.	

Grant Activity - Grant Administration

Description	Activities under the Grant Administration Initiative include \$7,500 dollars to be administered throughout the grant period for in-kind services of the District. Administration activities may include project reporting and budget updates.	
Category	ADMINISTRATION/COORDINATION	
Start Date	10-Apr-15	End Date
Has Rates and Hours?	Yes	
Actual Results	2015: Activities included project reporting and budget updates. 9.5 hours @ \$49.69 + 7.5 hours @ 55.95 = \$891.68	

Grant Activity - Mileage	
Description	The MFCRWD will contribute \$2,184 in-kind toward mileage expenses using the District truck for transportation needs.
Category	SUPPLIES/EQUIPMENT
Start Date	10-Apr-15 End Date
Has Rates and Hours?	No
Actual Results	2015: The District truck was used for transportation needs for Project Development.

Grant Activity - Project Development	
Description	Activities under the Project Development Initiative include civic engagement, public outreach, initial contacts/actions/activities with landowners and/or partners, preliminary information gathering, etc. The MFCRWD has allocated \$20,000 of grant funds toward staff time which will include the development of all proposed outputs, including BMP development. Providing in-kind expenditures of \$5,000 toward outreach, \$1,680 toward mileage and an additional \$12,000 toward staff time, the MFCRWD will advance through several media avenues to provide sought after information of project purpose and successes.
Category	PROJECT DEVELOPMENT
Start Date	10-Apr-15 End Date
Has Rates and Hours?	Yes
Actual Results	2015: Activities under the Project Development Initiative include civic engagement, public outreach, initial contacts with landowners and partners, preliminary information gathering. The Brekke wetland project was developed and completed. Laura 9.75 hours @ \$39.90 = \$389.03 Laura 96.5 hours @ \$38.57 = \$3,722.01 Jon 5.50 hours @ \$41.09 = \$226.00 Clayton 1 hour @ \$35.64 = \$35.64 Brady 6.5 hours @ \$25.75 = \$167.38 \$111.84 - Mileage for PD

Grant Activity - Technical Assistance & Engineering

Description	Activities under the Technical Assistance and Engineering Initiative include allocating \$45,000 of grant funds toward district staff working with technical staff partners and the West Central Technical Service Area concerning project design and oversight. The MFCRWD has communicated with Wenck Associates prior to applying for this CWF grant to ensure project readiness and avoid delays in project implementation. All plans, designs, and installation for BMPs will be certified by WCTSA with credentials under the TAA system or by a Professional Engineer licensed in Minnesota. WCTSA will abide by the practice standards and specs of NRCS. The District looks to contribute \$5,000 in-kind for additional activities under the Technical Assistance and Engineering Initiative such as staff time and mileage.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	10-Apr-15	End Date	
Has Rates and Hours?	No		
Actual Results	Bollig completed a review and design on one area with wetland potential, \$4,602.75. Wenck has also been working with us regarding one additional site on the north side of Diamond Lake, \$3,908.40. WCTSA completed the design, specs, and final inspection of the Brekke wetland. WCTSA has not provided us with an invoice.		

Grant Activity - Wetland - Brekke

Description	Installation of a 48" precast beveled pond skimmer with a retrofitted water control mechanism was implemented on the wetland of Brent and Kimberly Brekke. This wetland takes the treated tile water from a woodchip bioreactor implemented to the north.		
Category	WETLAND RESTORATION/CREATION		
Start Date	6-Oct-15	End Date	01-Dec-15
Has Rates and Hours?	No		
Actual Results	Installation of a 48" precast beveled pond skimmer with a retrofitted water control mechanism was implemented on the wetland of Brent and Kimberly Brekke. This wetland takes the treated tile water from a woodchip bioreactor implemented to the north.		

Activity Action - Brekke Wetland

Practice	587 - Structure for Water Control	Count of Activities	1
Description	48" beveled pond skimmer with modified control structure implemented on wetland outlet.		
Proposed Size / Units	0.40 AC	Lifespan	10 Years
Actual Size/Units	0.40 AC	Installed Date	26-Oct-15

Grant Attachments

Document Name	Document Type	Description
2015 Competitive Grant	Grant Agreement	2015 Competitive Grant - Middle Fork Crow River WD
2015 Competitive Grant executed	Grant Agreement	2015 Competitive Grant - Middle Fork Crow River WD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/04/2016
Application	Workflow Generated	Workflow Generated - Application - 09/26/2014
Application Image	Grant	Diamond Lake TMDL Implementation Projects
Budget Monitor	Grant	Diamond Lake TMDL Implementation Projects
Budget for Report	Progress	Progress Dated - 01/29/2016
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/28/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/19/2016
Workplan Approval	Grant	Diamond Lake TMDL Implementation Projects
grantmap_12674_2014-09-19_01-59-09-PM.jpg	Grant	Diamond Lake TMDL Implementation Projects