



Grant All-Detail Report Projects and Practices 2016

Grant Title - Kandi Creek Watershed

Grant ID - C16-7585

Organization - Kandiyohi SWCD

Grant Awarded Amount	\$120,024.00	Grant Execution Date	2/19/2016
Required Match Amount	\$30,006.00	Grant End Date	12/31/2018
Required Match %	25%	Grant Day To Day Contact	Rick Reimer

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$120,024.00	\$12,419.62	\$107,604.38
Total Match Amount	\$30,006.00	\$21,523.02	\$8,482.98
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$150,030.00	\$33,942.64	\$116,087.36

*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
Enhanced Riparian Buffers	Agricultural Practices	Current State Grant	Kandi Creek Watershed	\$10,000.00			N
Grade Control Structures	Streambank or Shoreline Protection	Current State Grant	Kandi Creek Watershed	\$14,000.00			N
Grade Control Structures	Streambank or Shoreline Protection	Landowner Fund	Landowner	\$7,731.34	\$18,388.02	12/31/2016	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Grant Administration	Administration /Coordination	Current State Grant	Kandi Creek Watershed	\$5,500.00	\$1,176.24	12/31/2017	N
Near Channel Retention	Agricultural Practices	Current State Grant	Kandi Creek Watershed	\$17,500.00	\$1,625.00	12/20/2017	N
Near Channel Retention	Agricultural Practices	Landowner Fund	Landowner	\$5,833.33			Y
Project Development	Project Development	Current State Grant	Kandi Creek Watershed	\$11,700.00	\$3,180.08	12/31/2017	N
Project Development	Project Development	Local Fund	Kandiyohi County Ditch Inspector	\$2,000.00	\$600.00	12/31/2016	Y
Public Meeting and Outreach	Education/Information	Current State Grant	Kandi Creek Watershed	\$4,500.00	\$2,769.81	3/15/2017	N
Public Meeting and Outreach	Education/Information	Local Fund	CROW Cash Match	\$3,000.00	\$2,535.00	1/31/2017	Y
Sediment Blocks	Agricultural Practices	Current State Grant	Kandi Creek Watershed	\$34,324.00			N
Sediment Blocks	Agricultural Practices	Landowner Fund	Landowner	\$11,441.33			Y
Technical and Engineering of BMPs	Technical/Engineering Assistance	Current State Grant	Kandi Creek Watershed	\$22,500.00	\$3,668.49	12/31/2017	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
410 - Grade Stabilization Structure	1	1	50 LINEAR FEET	50 LINEAR FEET

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Near Channel Retention	PHOSPHORUS (EST.)	3244.53 LBS/YR	Kandi Creek	BWSR CALC (SHEET	

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
	REDUCTION)			AND RILL)	
Sediment Blocks	PHOSPHORUS (EST. REDUCTION)	8.24 LBS/YR	Kandi Creek	BWSR CALC (SHEET AND RILL)	
Enhanced Riparian Buffers	PHOSPHORUS (EST. REDUCTION)	40.25 LBS/YR	Kandi Creek	BWSR CALC (FILTER STRIP)	
Grade Control Structures	PHOSPHORUS (EST. REDUCTION)	4269.09 LBS/YR	Kandi Creek	BWSR CALC (STREAM & DITCH STABILIZATION)	
Near Channel Retention	SOIL (EST. SAVINGS)	1 TONS/YR	Kandi Creek	BWSR CALC (SHEET AND RILL)	
Sediment Blocks	SOIL (EST. SAVINGS)	1 TONS/YR	Kandi Creek	BWSR CALC (SHEET AND RILL)	
Enhanced Riparian Buffers	SOIL (EST. SAVINGS)	35 TONS/YR	Kandi Creek	BWSR CALC (FILTER STRIP)	
Grade Control Structures	SOIL (EST. SAVINGS)	142.80 TONS/YR	Kandi Creek	BWSR CALC (STREAM & DITCH STABILIZATION)	
Near Channel Retention	SEDIMENT (TSS)	2484.05 TONS/YR	Kandi Creek	BWSR CALC (SHEET AND RILL)	
Sediment Blocks	SEDIMENT (TSS)	5.32 TONS/YR	Kandi Creek	BWSR CALC (SHEET AND RILL)	
Enhanced Riparian Buffers	SEDIMENT (TSS)	35 TONS/YR	Kandi Creek	BWSR CALC (FILTER STRIP)	
Grade Control Structures	SEDIMENT (TSS)	2536.74 TONS/YR	Kandi Creek	BWSR CALC (STREAM & DITCH STABILIZATION)	

Final Indicators Summary

Indicator Name	Total Value	Unit
SEDIMENT (TSS)	20.17	TONS/YR

Grant Activity

Grant Activity - Enhanced Riparian Buffers	
Description	Installation and incentive payments for up to 50 acres of buffers that exceed legislatively mandated widths. Incentive payments will be based on Kandiyohi SWCD policy. We will be using the hydroconditioned DEM for the watershed that was completed by the DNR in 2015 and the Agricultural Conservation Planning Framework (ACPF) tool to target critical areas. Pollution reductions of 11.67 T/yr of Sediment, 0.67 T/yr soil savings and 19.31 lbs/yr of Phosphorus are expected.
Category	AGRICULTURAL PRACTICES
Start Date	26-Feb-16 End Date
Has Rates and Hours?	No
Actual Results	No funds were used for payments of installations of enhanced riparian buffers in 2017.

Grant Activity - Grade Control Structures	
Description	Materials and construction for up to 12 in-channel rock riffles. 6 will be funded through the grant at a 75% cost share rate. The other 6 will be assessed to the landowners in the county ditch system which will be used as some match (\$3,064.67). Rick Reimer from the Kandiyohi SWCD has experience with the Rosgen training and installation of rock riffles. This work will be coordinated with DNR Area Hydro Gary Bennett who completed a fluvial geomorphology field report for Kandi Creek in 2015. Coordination will also occur with the Kandiyohi County Ditch inspector, Loren Engelby. Using the hydroconditioned DEM and the Ag. Conservation Planning Framework (ACPF) tool will assist us in targeting critical areas of resource concern as identified on the Kandi Creek Map. Anticipated pollution reduction is 32.40 T/yr Sediment, 84.0T/yr soil loss and 37.20 lbs/yr anticipated reduction in Phosphorus.
Category	STREAMBANK OR SHORELINE PROTECTION
Start Date	26-Feb-16 End Date
Has Rates and Hours?	No
Actual Results	Kandiyohi County has installed 6 grade control structures which were paid thru the county.

Grant Activity - Grant Administration			
Description	Kandiyohi SWCD will provide local management of all funds as well as provide financial statements and annual reporting.		
Category	ADMINISTRATION/COORDINATION		
Start Date	26-Feb-16	End Date	
Has Rates and Hours?	Yes		
Actual Results	The Kandiyohi SWCD staff has spent time on eLINK reporting and in spreadsheet. All staff time in 2016-2017 has been recorded.		

Grant Activity - Near Channel Retention			
Description	Installation of one near channel retention basin, based on NRCS FOTG. Grant funds will cover up to 75% of the project costs. We will be using the Hydroconditioned DEM generated from Rick Moore with the DNR and also the Ag. Conservation Planning Framework (ACPF) tool. This will help us target locations to install these BMP practices. Anticipated pollution reduction is 11.67 T/yr of Sediment, 11.67 T/yr of soil loss and 13.42 lbs/yr of Phosphorus reduction.		
Category	AGRICULTURAL PRACTICES		
Start Date	26-Feb-16	End Date	
Has Rates and Hours?	No		
Actual Results	One project was completed in 2017. Not all funds have been spent		

Activity Action - Anderson Channel Stab			
Practice	410 - Grade Stabilization Structure	Count of Activities	1
Description	Removal of large pipe in ditch channel		
Proposed Size / Units	50.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	50.00 LINEAR FEET	Installed Date	18-Dec-17
Mapped Activities	1 Point(s)		

Final Indicator for Anderson Channel Stab			
Indicator Name	SEDIMENT (TSS)	Value	20.17
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Knadi Creek		

Grant Activity - Project Development	
Description	The Kandiyohi SWCD and Kandiyohi County staff will complete site visits, coordinate with landowners for installing rock riffle grade control structures, riparian buffers, water and sediment control basin, and near channel retention area.
Category	PROJECT DEVELOPMENT
Start Date	26-Feb-16
End Date	
Has Rates and Hours?	Yes
Actual Results	The Kandiyohi SWCD staff met with landowners on site visits and discussed discussed projects. All staff time for 2016 and 2017 has been recorded.

Grant Activity - Public Meeting and Outreach	
Description	<p>The local cash contribution will be used primarily for material costs associated with printing, mailing, and outreach set-up. The grant funds will be primarily used for staff time for both organizations to conduct, promote, and produce materials and outreach activities.</p> <p>The Kandiyohi SWCD and CROW staff will utilize multiple mediums, including local radio programming, local television program, and a series of targeted and thoughtful direct mailing pieces that promote the project goals. Additionally funds will be used for staff to host one public event targeted towards producers that will be developed in coordination with existing agricultural events.</p>
Category	EDUCATION/INFORMATION
Start Date	26-Feb-16
End Date	
Has Rates and Hours?	Yes
Actual Results	The Crow River Organization of Water spent staff time towards promoting the Kandi Creek Project by developing outreach materials for about 275 households and in-person outreach opportunities. As well, CROW facilitated internal civic engagement planning meetings. The Kandiyohi SWCD, MN DNR staff, and local BWSR staff participated in these discussions. All staff time for 2016-2017 has been recorded

Grant Activity - Sediment Blocks		
Description	Installation of up to five water and sediment basins, based on the NRCS FOTG. Grant funds will cover up to 75% of the project costs. We will be using the hydroconditioned DEM generated by Rick Moore of the DNR for the watershed and the Agricultural Conservation Planning Framework (ACPF) tool. These tools will help us target critical locations for BMPs. Pollution reductions of 88.35 T/yr of Sediment, 35.98 T/yr of soil loss and 237.95 lbs/yr of Phosphorus are anticipated.	
Category	AGRICULTURAL PRACTICES	
Start Date	26-Feb-16	End Date
Has Rates and Hours?	No	
Actual Results	No funds were spend from grant in 2016- or 2017 for installation of sediment basins.	

Grant Activity - Technical and Engineering of BMPs		
Description	Kandiyohi SWCD and Kandiyohi County will provide technical assistance by surveying, design, and site inspection during and after construction. Along with NRCS Engineer, Craig Peterson or Ross Reiffenberger, Area 2 TSA engineer, providing additional engineering assistance as needed.	
Category	TECHNICAL/ENGINEERING ASSISTANCE	
Start Date	26-Feb-16	End Date
Has Rates and Hours?	Yes	
Actual Results	All staff time spent in technical/engineering assistance has been entered for 2017	

Grant Attachments

Document Name	Document Type	Description
2016 Competitive Grant	Grant Agreement	2016 Competitive Grant - Kandiyohi SWCD
2016 Competitive Grant executed	Grant Agreement	2016 Competitive Grant - Kandiyohi SWCD
ACPF Kandi Creek Results	Grant	Kandi Creek Watershed
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/13/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/25/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/01/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/31/2017
Application	Workflow Generated	Workflow Generated - Application - 08/28/2015

Document Name	Document Type	Description
BC Comments - 2017 Interim Report	Journal	Journal Dated - 01/29/2018
Email to LGU	Journal	Journal Dated - 02/13/2017
Partner Contribution Agreement (2-18-16)	Grant	Kandi Creek Watershed
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/16/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/21/2016
grantmap_14690_2015-08-27_12-11-37-PM.jpg	Grant	Kandi Creek Watershed