



Grant All-Detail Report Projects and Practices 2016

Grant Title - Kandi Creek Watershed

Grant ID - C16-7585

Organization - Kandiyohi SWCD

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

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$120,024.00	\$42,035.43	\$77,988.57
Total Match Amount	\$30,006.00	\$10,601.70	\$19,404.30
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$150,030.00	\$52,637.13	\$97,392.87

*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
Grade Control Structures	Streambank or Shoreline Protection	Current State Grant	Kandi Creek Watershed	\$75,824.00	\$19,434.80	1/24/2019	N
Grade Control Structures	Streambank or Shoreline Protection	Landowner Fund	Landowner	\$25,006.00	\$3,465.50	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	\$2,916.83	9/30/2018	N
Project Development	Project Development	Current State Grant	Kandi Creek Watershed	\$11,700.00	\$8,809.34	10/31/2018	N
Project Development	Project Development	Local Fund	Kandiyohi County Ditch Inspector	\$2,000.00	\$2,000.00	12/31/2016	Y
Public Meeting and Outreach	Education/Information	Current State Grant	Kandi Creek Watershed	\$4,500.00	\$3,591.96	4/30/2018	N
Public Meeting and Outreach	Education/Information	Local Fund	CROW Cash Match	\$3,000.00	\$1,998.95	4/30/2017	Y
Technical and Engineering of BMPs	Technical/Engineering Assistance	Current State Grant	Kandi Creek Watershed	\$22,500.00	\$7,282.50	10/31/2018	N
Technical and Engineering of BMPs	Technical/Engineering Assistance	Local Fund	Local non-state funds	\$0.00	\$3,137.25	12/31/2018	Y

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
410 - Grade Stabilization Structure	1	2	1 LINEAR FEET	200 LINEAR FEET

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Grade Control Structures	PHOSPHORUS (EST. REDUCTION)	4269.09 LBS/YR	Kandi Creek	BWSR CALC (STREAM & DITCH STABILIZATION)	
Enhanced Riparian Buffers	PHOSPHORUS (EST. REDUCTION)	40.25 LBS/YR	Kandi Creek	BWSR CALC (FILTER STRIP)	

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Sediment Blocks	PHOSPHORUS (EST. REDUCTION)	8.24 LBS/YR	Kandi Creek	BWSR CALC (SHEET AND RILL)	
Near Channel Retention	PHOSPHORUS (EST. REDUCTION)	3244.53 LBS/YR	Kandi Creek	BWSR CALC (SHEET AND RILL)	
Grade Control Structures	SOIL (EST. SAVINGS)	142.80 TONS/YR	Kandi Creek	BWSR CALC (STREAM & DITCH STABILIZATION)	
Enhanced Riparian Buffers	SOIL (EST. SAVINGS)	35 TONS/YR	Kandi Creek	BWSR CALC (FILTER STRIP)	
Sediment Blocks	SOIL (EST. SAVINGS)	1 TONS/YR	Kandi Creek	BWSR CALC (SHEET AND RILL)	
Near Channel Retention	SOIL (EST. SAVINGS)	1 TONS/YR	Kandi Creek	BWSR CALC (SHEET AND RILL)	
Grade Control Structures	SEDIMENT (TSS)	2536.74 TONS/YR	Kandi Creek	BWSR CALC (STREAM & DITCH STABILIZATION)	
Enhanced Riparian Buffers	SEDIMENT (TSS)	35 TONS/YR	Kandi Creek	BWSR CALC (FILTER STRIP)	
Sediment Blocks	SEDIMENT (TSS)	5.32 TONS/YR	Kandi Creek	BWSR CALC (SHEET AND RILL)	
Near Channel Retention	SEDIMENT (TSS)	2484.05 TONS/YR	Kandi Creek	BWSR CALC (SHEET AND RILL)	

Final Indicators Summary

Indicator Name	Total Value	Unit
SEDIMENT (TSS)	22.16	TONS/YR
SOIL (EST. SAVINGS)	0.36	TONS/YR
PHOSPHORUS (EST. REDUCTION)	4.59	LBS/YR

Grant Activity

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	31-Dec-18
Has Rates and Hours?	No		
Actual Results	Staff worked with Kandiyohi County and landowners to install grade control structures. Kandiyohi County has installed grade control structures which were paid thru the county. Staff worked with a landowner on project and WASCOB was built along with new tile and a Rock Chute and Berm.		

Activity Action - Croonquist Project			
Practice	410 - Grade Stabilization Structure	Count of Activities	1
Description	WASCB was built along with new tile and a Rock Chute and Berm		
Proposed Size / Units	1.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	200.00 LINEAR FEET	Installed Date	16-Nov-18
Mapped Activities	2 Point(s)		

Final Indicator for Croonquist Project			
Indicator Name	SEDIMENT (TSS)	Value	1.99
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Kandi Creek		
Final Indicator for Croonquist Project			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	4.59
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Kandi Creek		

Final Indicator for Croonquist Project			
Indicator Name	SOIL (EST. SAVINGS)	Value	.36
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Kandi Creek		

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	31-Dec-18
Has Rates and Hours?	Yes		
Actual Results	<p>The Kandiyohi SWCD staff has spent time on eLINK reporting, entering information into spreadsheet, and putting together cost share folders. All billable staff time in 2016-2018 has been recorded.</p> <p>Sandy Hrs 2hrs x 27.49=54.98 3hrs x 28.75=86.25 12hrs x 37.64=451.68 33.5hrs x 40.11=1343.69 Total 1936.60</p> <p>Rick hrs 11 hrs x 53.03=583.33 7hrs x 56.70= 396.90 Total 980.23</p> <p>Total billable 1936.60 +980.23= \$2916.83</p>		

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	31-Dec-18
Has Rates and Hours?	Yes		
Actual Results	<p>The Kandiyohi SWCD staff met with landowners on site visits and discussed discussed projects. All staff time for 2016 -2018 has been recorded.</p> <p>Actual Staff Times</p> <p>Ricks Hours</p> <p>25.5hr x 44.31=\$1129.91</p> <p>3hrs x 44.42=133.26</p> <p>33.5hrs 53.03=1776.51</p> <p>87hrs x 56.70=4932.90</p> <p>Total 7972.58</p> <p>Ryans hours</p> <p>3hrs 46.80=140.40</p> <p>14hrs x 49.74=696.36</p> <p>Total \$836.76</p> <p>Total 7972.58+836.76= 8809.34</p>		

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	31-Dec-18
Has Rates and Hours?	Yes		
Actual Results	<p>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 2016-2018 has been recorded.</p>		

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 and inspection.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	26-Feb-16	End Date	31-Dec-18
Has Rates and Hours?	Yes		
Actual Results	<p>All staff time spent in technical/engineering assistance has been entered for 2016-2018. Funds were also paid to WCTSA for technical assistance.</p> <p>Ricks hrs 6hrs x 44.31=265.86 12.5 hrs x 44.42=555.25 37hrs x 53.03= 1962.11 63hrs x 56.70= 3572.10 Total 6355.32</p> <p>WCTSA 885.27 + 41.91= 927.18</p> <p>Total 6355.32+ 927.18= 7282.50</p>		

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 - 01/29/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2019

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/25/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/31/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/01/2016
Application	Workflow Generated	Workflow Generated - Application - 08/28/2015
BC Comments - 2017 Interim Report	Journal	Journal Dated - 01/29/2018
BC Comments - Expense Report	Journal	Journal Dated - 05/21/2018
BC Comments on Report	Journal	Journal Dated - 05/21/2018
Email to LGU	Journal	Journal Dated - 02/13/2017
Kandi Creek Finacial Report	Grant	Kandi Creek Watershed
Partner Contribution Agreement (2-18-16)	Grant	Kandi Creek Watershed
Returned Funds Receipt	Journal	Journal Dated - 02/20/2019
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/12/2018
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 06/01/2018
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/21/2016
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/16/2015
grantmap_14690_2015-08-27_12-11-37-PM.jpg	Grant	Kandi Creek Watershed