



Grant All-Detail Report SWCD Local Capacity Services 2016

Grant Title - 2016 - SWCD Local Capacity Services (Clearwater SWCD)

Grant ID - P16-6608

Organization - Clearwater SWCD

Original Awarded Amount	\$120,337.00	Grant Execution Date	2/29/2016
Required Match Amount	\$0.00	Original Grant End Date	12/31/2018
Required Match %	0%	Grant Day To Day Contact	Nathan Nordlund
Current Awarded Amount	\$120,337.00	Current End Date	12/31/2018

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$120,337.00	\$120,337.00	\$0.00
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$10,822.64	\$10,822.64	\$0.00
Total	\$131,159.64	\$131,159.64	\$0.00

*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
Anderson Riparian Buffer	Agricultural Practices	Current State Grant	2016 - SWCD Local Capacity Services (Clearwater SWCD)	\$5,583.43	\$5,583.43	12/15/2016	N
Anderson Riparian Buffer	Agricultural Practices	Other Funds	2016 - State Cost-Share Fund (Clearwater SWCD)	\$1,302.32	\$1,302.32	12/15/2016	N
Anderson Riparian Buffer	Agricultural Practices	Other Funds	Landowner Match	\$6,520.32	\$6,520.32	12/15/2016	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Anderson Riparian Buffer	Agricultural Practices	Other Funds	RLWD Match	\$3,000.00	\$3,000.00	12/15/2016	Y
Excess Nutrients-2016 Special Projects	Agricultural Practices	Current State Grant	2016 - SWCD Local Capacity Services (Clearwater SWCD)	\$5,023.97	\$5,023.97	7/21/2016	N
Excess Nutrients-2016 Water Monitoring	Monitoring/Data Collection	Current State Grant	2016 - SWCD Local Capacity Services (Clearwater SWCD)	\$2,152.38	\$2,152.38	12/31/2017	N
Excess Nutrients-2016 Water Monitoring Equipment	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Clearwater SWCD)	\$1,542.31	\$1,542.31	6/30/2017	N
Riparian Zone Management-2016 Training	Education/Information	Current State Grant	2016 - SWCD Local Capacity Services (Clearwater SWCD)	\$19,546.93	\$21,046.93	1/31/2019	N
Soil Erosion - 2016 Education/Outreach	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Clearwater SWCD)	\$7,504.88	\$7,504.88	12/31/2018	N
Soil Erosion- No-till Program Acceleration	Agricultural Practices	Current State Grant	2016 - SWCD Local Capacity Services (Clearwater SWCD)	\$5,980.00	\$4,480.00	7/26/2018	N
Soil Erosion-2016 Administration	Administration/Coordination	Current State Grant	2016 - SWCD Local Capacity Services (Clearwater SWCD)	\$16,686.38	\$16,686.38	12/31/2018	N
Soil Erosion-2016 Equipment	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Clearwater SWCD)	\$19,439.42	\$19,439.42	12/31/2018	N
Soil Erosion-2016 Technology	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Clearwater SWCD)	\$3,778.55	\$3,778.55	12/31/2018	N
Soil Erosion-2016 Vehicle	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Clearwater SWCD)	\$25,254.95	\$25,254.95	3/31/2017	N
Soil Erosion-Technical Assistance - (1)	Agricultural Practices	Current State Grant	2016 - SWCD Local Capacity Services (Clearwater SWCD)	\$7,843.80	\$7,843.80	12/31/2018	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
393 - Filter Strip	1	1	6.6 AC	AC
393 - Filter Strip	1	1	31.9 AC	AC

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
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Final Indicators Summary

Indicator Name	Total Value	Unit
SEDIMENT (TSS)	90.19	TONS/YR
SOIL (EST. SAVINGS)	19.13	TONS/YR
PHOSPHORUS (EST. REDUCTION)	132.80	LBS/YR

Grant Activity

Grant Activity - Anderson Riparian Buffer	
Description	Anderson Riparian Buffer
Category	AGRICULTURAL PRACTICES
Start Date	End Date
Has Rates and Hours?	No
Actual Results	Andersons established a 6 acre riparian buffer on the Silver Creek by excluding cattle from the water body with barb wire fencing. An alternative water source was established to provide fresh water for the cattle.

Activity Action - Livestock_exclusion_fence			
Practice	393 - Filter Strip	Count of Activities	1
Description			
Proposed Size / Units	6.60 AC	Lifespan	10 Years
Actual Size/Units	AC	Installed Date	
Mapped Activities	1 Polygon(s)		

Final Indicator for Livestock_exclusion_fence			
Indicator Name	SEDIMENT (TSS)	Value	14.45
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Silver Creek		

Final Indicator for Livestock_exclusion_fence			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	21.28
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Silver Creek		

Grant Activity - Excess Nutrients-2016 Special Projects	
Description	<p>Excess Nutrients-2016 Special Projects</p> <p>Clearwater County Comprehensive Local Water Management Plan</p> <p>The Clearwater River, Upper Mississippi River, and Wild Rice River watersheds have been identified as priority watersheds for the implementation of project to protect and/or restore water quality. Projects will be targeted in these watersheds based on past SWAT modeling and prioritization in the local water plan. Clearwater River Watershed SWAT modeling indicated the use of cattle exclusions, grassed waterways, and wetland restorations as most effective in reducing E. coli. Sediment concentrations were best addressed by buffer strips, streambank stabilization, cover crops, bio fuels and grassed waterways. These practices and others will be implemented where they can provide the most benefit to local resources with participation from local landowners and producers.</p>
Category	AGRICULTURAL PRACTICES
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Activity Action - Steve_Wraa_Exclusion			
Practice	393 - Filter Strip	Count of Activities	1
Description			
Proposed Size / Units	31.90 AC	Lifespan	10 Years
Actual Size/Units	AC	Installed Date	
Mapped Activities	1 Polygon(s)		

Final Indicator for Steve_Wraa_Exclusion			
Indicator Name	SEDIMENT (TSS)	Value	68.36
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Clearwater River		

Final Indicator for Steve_Wraa_Exclusion			
Indicator Name	SEDIMENT (TSS)	Value	7.38
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Clearwater River		
Final Indicator for Steve_Wraa_Exclusion			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7.38
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Clearwater River		
Final Indicator for Steve_Wraa_Exclusion			
Indicator Name	SOIL (EST. SAVINGS)	Value	19.13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Clearwater River		
Final Indicator for Steve_Wraa_Exclusion			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	104.14
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Clearwater River		

Grant Activity - Excess Nutrients-2016 Water Monitoring			
Description	<p>Excess Nutrients-2016 Water Monitoring</p> <p>Clearwater County Comprehensive Local Water Management Plan</p> <p>Water quality monitoring has been a regular part of district activities. However, the time and effort needed to develop quality data sets on multiple lakes is unrealistic to be achieved by SWCD staff alone. The Clearwater SWCD will partner with lake associations and interested citizens to collect water quality samples. The SWCD will coordinate and cover the cost of collecting, shipping, and analyzing these samples.</p>		
Category	MONITORING/DATA COLLECTION		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	The SWCD partnered with volunteers to monitor 6 additional lakes in Clearwater County. Volunteers collected phosphorous, chlorophyll a, and clarity samples. Field conditions were also reported during monitoring events. Data was submitted to the MPCA for future use in assessments.		

Grant Activity - Excess Nutrients-2016 Water Monitoring Equipment

Description	Excess Nutrients-2016 Water Monitoring Equipment	
	Clearwater County Comprehensive Local Water Management Plan	
	The SWCD will purchase a boat to perform water quality monitoring activities. The Clearwater SWCD has borrowed a boat to complete its water monitoring activities in the past. This boat will no longer be available to the SWCD with change in staff.	
Category	SUPPLIES/EQUIPMENT	
Start Date		End Date
Has Rates and Hours?	No	
Actual Results	A used boat and motor, and associated supplies were purchased to meet the water monitoring needs of the SWCD.	

Grant Activity - Riparian Zone Management-2016 Training

Description	Riparian Zone Management-2016 Training Clearwater County Comprehensive Local Water Management Plan Staff turnover at the Clearwater SWCD has created a need to provide training to its employees. SWCD staff will utilize trainings developed by NRCS, BWSR, and other entities to increase its staffs ability to efficiently and effectively implement conservation programs.
Category	EDUCATION/INFORMATION
Start Date	End Date
Has Rates and Hours?	No
Actual Results	Staff attended the Conservation Tillage Conference in Fargo ND. This training help to expand the knowledge of staff on ways to better the SWCD soil health program and make it more beneficial to landowners. 13 hours of district manager time and 12 hours of program technician time were spent with training activities In 2017-44.5 hrs. Dist Manager attended Leadership training and 41.5 hrs Program Tech attended various soil health training's BWSR and NRCS sponsored training's. In 2018 The New Water Plan Coordinator had 112 Training hours, this was a new position and many hours were spent training in and Learning the programs and the Water Plan/1W1P position. The Technician had 87.5 total hours in 2018 assisting trainings with the Water Plan Coordinator and other trainings that would benefit the soil health program. Both positions worked on updating the Soil Health Program. The District Manager had 20 training hours mostly from attending trainings at BWSR and the MASWCD annual Convention.

Grant Activity - Soil Erosion - 2016 Education/Outreach

Description	Soil Erosion - 2016 Education/Outreach	
	Clearwater County Comprehensive Local Water Management Plan	
	Clearwater SWCD will provide a consistent outreach to landowners through various media outlets. This outreach will help promote the development of programs, inform the public about current conservation topics, and highlight the work of Clearwater SWCD.	
Category	SUPPLIES/EQUIPMENT	
Start Date		End Date
Has Rates and Hours?	No	
Actual Results	2016-Staff promoted SWCD activities at the county fair and at local workshops. A reusable table display was purchased for these activities.	
	2017-Staff promoted SWCD activities at the county fair and at local workshops. 2.25 hrs were expended by the OM	
	2018- Staff promoted SWCD activities at the county fair and at local workshops. Added the district logo to Soil Health Equipment and purchased clothing with district logo. Placed Soil Health ads in Beef Producers magazine and set up a new website. The District Manager worked 29 Ed/Outreach hours in 2018, the Program Technician worked 92 Ed/Outreach hours and the former District Manager worked 1 Ed/Outreach hour in 2018.	

Grant Activity - Soil Erosion- No-till Program Acceleration

Description	Soil Erosion- No-till Program Acceleration	
	Clearwater County Comprehensive Local Water Management Plan	
	The Clearwater SWCD will encourage the adoption of no-till/soil health practices in the county through the use of per/acre incentives. Incentives will be paid to landowners meeting specified eligibility requirements laid out in the SWCD's cost share policy.	
Category	AGRICULTURAL PRACTICES	
Start Date		End Date
Has Rates and Hours?	No	
Actual Results	Incentives were paid to landowners meeting specified eligibility requirements laid out in the SWCD's cost share policy. in 2018 there was 1 payment made out to a producer in the Primary Zone at \$40/acre, a total of 8 payments made out to producers for using the Soil Health Equipment in the secondary zone at and 1 payment to a producer to cover the cost of his soil tests.	

Grant Activity - Soil Erosion-2016 Administration

<p>Description</p>	<p>Soil Erosion-2016 Administration/Coordination</p> <p>Clearwater County Comprehensive Local Water Management Plan</p> <p>Administration/coordination of projects, tracking, reporting, and other tasks.</p>		
<p>Category</p>	<p>ADMINISTRATION/COORDINATION</p>		
<p>Start Date</p>		<p>End Date</p>	
<p>Has Rates and Hours?</p>	<p>Yes</p>		
<p>Actual Results</p>	<p>2016 Admin-Implementation of the local capacity work plan required the administration of the various components. These included, establishing contracts for special projects, acquiring and training volunteers for the water monitoring program, researching equipment to be purchased, and paying, tracking, and reporting grant expenses. 38 hours were spent by the District Manager, 12.25 hours by the Program Technician, and 11 hours by the Office Manager.</p> <p>2017-Implementation of the local capacity work plan required the administration of the various components. These included, establishing contracts for special projects, acquiring and training volunteers for the water monitoring program, researching equipment to be purchased, and paying, tracking, and reporting grant expenses. 76.5 hours were spent by the District Manager, 6.5 hours by the Program Technician, and 71.25 hours by the Office Manager.</p> <p>2017-Implementation of the local capacity work plan required the administration of the various components. These included, Training in the new Water Plan Coordinator (this was a new position for the district) establishing contracts for special projects, acquiring and training volunteers for the water monitoring program, and paying, tracking, and reporting grant expenses. 112 hours were spent by the District Manager, 10.5 by the former District Manager, 96 hours by the Program Technician, and 248 hours by the Water Plan Coordinator.</p>		

Grant Activity - Soil Erosion-2016 Equipment

<p>Description</p>	<p>Soil Erosion-2016 Equipment_ Pasture/Hayland Aerator/Broadcast seeder</p> <p>Clearwater County Comprehensive Local Water Management Plan</p> <p>The Clearwater SWCD is building a soil health program with funding through a Clean Water Accelerated Implementation Grant. Part of the aerator will be purchased with that funding. The remaining will be purchased with this funding. This tool will compliment and expand the current focus of the no-till program. This tool will allow for effective pasture renovation in areas that are not suitable for a traditional no-till drill. It will provide additional benefits to soil health not accomplished with the use of the no-till drill. These benefits include an immediate increase in infiltration and the breakup of hard pan which limits plant growth. These benefits translate into increased protection for surface waters.</p>	
<p>Category</p>	<p>SUPPLIES/EQUIPMENT</p>	
<p>Start Date</p>		<p>End Date</p>
<p>Has Rates and Hours?</p>	<p>No</p>	
<p>Actual Results</p>	<p>The SWCD purchased an aerator to expand the soil health program that was started in 2015.</p>	

Grant Activity - Soil Erosion-2016 Technology

Description	Soil Erosion-2016 Technology		
	Clearwater County Comprehensive Local Water Management Plan		
	Clearwater SWCD is looking to streamline operations to better serve the producers of the county. This will be accomplished by utilizing common and advancing technologies. Items to be purchased include a desktop computer, laptop computer, tablet, and georeferencing camera. Clearwater SWCD is in need of a laptop computer to use during workshops and presentations. Communicating with landowners and collecting field information will be streamlined by the use of tablets. Data processing capacity will be increased with a desktop designed with GIS processing in mind.		
Category	SUPPLIES/EQUIPMENT		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	New tech equipment was acquired including: 2 desktop computers, 1 laptop computer, and 3 backup power supplies. In 2018 a new monitor was purchased along with wireless for the laptop.		

Grant Activity - Soil Erosion-2016 Vehicle

Description	Soil Erosion-2016 Vehicle		
	Clearwater County Comprehensive Local Water Management Plan		
	Clearwater SWCD is involved with a mix of activities that are focused on protecting and enhancing water quality. This vehicle will be used as a key tool in our no-till program established in part by a Clean Water Assistance Grant in 2015. It will be used to transport the drill and aeration equipment utilized by this program. District funds will be used to match a portion of these funds to purchase the vehicle.		
Category	SUPPLIES/EQUIPMENT		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	A 1 ton pickup truck was purchased to move equipment for the soil health program which includes the no-till drill and aerator.		

Grant Activity - Soil Erosion-Technical Assistance - (1)

Description	<p>Soil Erosion-Technical Assistance</p> <p>Clearwater County Comprehensive Local Water Management Plan</p> <p>Technical assistance will be provided to landowners to implement special projects. Technical assistance will include time for meeting with landowners to discuss projects, site visits, design work, construction inspection and other activities to support the development of these projects.</p> <p>Technical assistance will also be provided to producers utilizing the no-till/soil health program. Tasks to be performed include scheduling of drill delivery and pickup, custom work, technical assistance to producers on the use of no-till, development of workshops and outreach events to highlight the use and benefits of no-till and other activities as needed.</p> <p>Engineering services will be provided by the Minnesota North Central Joint Powers Board to develop plans for the Special Projects.</p> <p>SWCD technical assistance will also be supported by providing increased wages and benefits to retain staff.</p>	
Category	AGRICULTURAL PRACTICES	
Start Date		End Date
Has Rates and Hours?	Yes	
Actual Results	<p>In 2016, time was spent providing technical assistance for special projects. This included landowner meetings, site visits, project plan development, and site inspections. 15.5 hours of district manager time and 7 hours of program technician time were spent on this activity.</p> <p>In 2017, time was spent providing technical Assistance in the form of landowner meetings, site visits, project plan development, and site inspections. 15 hours of district manager time and 3.5 hours of program technician time were spent on this activity.</p>	

Grant Attachments

Document Name	Document Type	Description
2016 SWCD Local Capacity Services	Grant Agreement	2016 SWCD Local Capacity Services - Clearwater SWCD

Document Name	Document Type	Description
2016 SWCD Local Capacity Services executed	Grant Agreement	2016 SWCD Local Capacity Services - Clearwater SWCD
All Details Report	Grant	2016 - SWCD Local Capacity Services (Clearwater SWCD)
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/14/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/25/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/19/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/01/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/23/2017
Amendment executed	Grant Agreement	2016 SWCD Local Capacity Services - Clearwater SWCD
Final-All Details Report	Grant	2016 - SWCD Local Capacity Services (Clearwater SWCD)
SWCD Capacity Amendment - Clearwater SWCD.docx	Grant	2016 - SWCD Local Capacity Services (Clearwater SWCD)
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/20/2017
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 11/30/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 07/15/2016