



Grant All-Detail Report Projects and Practices 2015

Grant Title - 2015 Lake Minnewaska Targeted Sub Watershed Water and Sediment Control Project Phase II

Grant ID - C15-1438

Organization - Pope SWCD

Grant Awarded Amount	\$150,000.00	Grant Execution Date	3/25/2015
Required Match Amount	\$37,500.00	Grant End Date	12/31/2018
Required Match %	25%	Grant Day To Day Contact	Holly Kovarik

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$150,000.00	\$109,240.10	\$40,759.90
Total Match Amount	\$37,500.00	\$44,127.29	\$-6,627.29
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$187,500.00	\$153,367.39	\$34,132.61

*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
Construction Materials, Contracted Labor, and Equipment Purchases	Agricultural Practices	Current State Grant	2015 Lake Minnewaska Targeted Sub Watershed Water and Sedime..	\$123,100.00	\$102,363.98	7/7/2016	N
Grant Management and Reporting	Administration /Coordination	Current State Grant	2015 Lake Minnewaska Targeted Sub Watershed Water and Sedime..	\$2,400.00	\$460.84	3/31/2017	N
Grant Match	Agricultural Practices	Landowner Fund		\$37,500.00	\$44,127.29	7/7/2016	Y

Submitted
1/23/18

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Project Development	Project Development	Current State Grant	2015 Lake Minnewaska Targeted Sub Watershed Water and Sedime..	\$4,500.00	\$2,775.64	12/31/2017	N
Technical Assistance and Engineering	Technical/Engineering Assistance	Current State Grant	2015 Lake Minnewaska Targeted Sub Watershed Water and Sedime..	\$20,000.00	\$3,639.64	9/28/2017	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
638 - Water and Sediment Control Basin	3	1	1 COUNT	1 COUNT
412 - Grassed Waterway and Swales	2	1	1 COUNT	1 COUNT
410 - Grade Stabilization Structure	1	1	1 COUNT	1 COUNT
638 - Water and Sediment Control Basin	3	3	3 COUNT	3 COUNT

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)	523.32	TONS/YR
PHOSPHORUS (EST. REDUCTION)	310.24	LBS/YR

Grant Activity

Grant Activity - Construction Materials, Contracted Labor, and Equipment Purchases

Description

Contractors will be selected by the landowners to complete construction on 22 proposed water and sediment control structures per the Natural Resources Conservation Service 638 Practice Standard as found in the federal field office technical guide (eFOTG) in two sub watersheds to Lake Minnewaska (Trappers Run and Lake Minnewaska sub watersheds). The SWCD has all 22 water and sediment control basin projects identified and sites surveyed with interested landowners. Each year it is estimated that 7 to 8 basins will be designed and constructed depending on weather conditions. The landowner interest has been so great in these two sub watersheds that there is a waiting list for cost share assistance to construct these projects. The Pope SWCD has utilized the terrain analysis tool developed for these two sub watersheds to rank projects for the cost share assistance all projects are in the highest, high, and moderate priority areas. Several projects are in close proximity to one another working with adjacent property owners to gain a treatment chain effect with the multiple projects to gain the most benefit for downstream landowners and water quality to Lake Minnewaska.

Category

AGRICULTURAL PRACTICES

Start Date

24-Mar-15

End Date

Has Rates and Hours?

No

Actual Results

Contractors completed 5 project designs and oversaw construction of 1 grade stabilization structure, a grassed waterway, and 6 water and sediment control basins and a wetland creation following the design standards in the field office technical guide. Payments for the engineering were made after final invoicing was received. Several new projects are in design phase in 2018.

Activity Action - CWF01+15 Mike Johnson

Practice	638 - Water and Sediment Control Basin	Count of Activities	3
Description	3 water and sediment control basin structures will be constructed and are to be designed by the WCTSA engineers		
Proposed Size / Units	3.00 COUNT	Lifespan	10 Years
Actual Size/Units	3.00 COUNT	Installed Date	9-May-15
Mapped Activities	3 Point(s)		

Final Indicator for CWF01+15 Mike Johnson

Indicator Name	SEDIMENT (TSS)	Value	28.32
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Minnewaska		

Final Indicator for CWF01+15 Mike Johnson			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	45.52
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Minnewaska		

Activity Action - CWF04+15 Richard Gregerson			
Practice	410 - Grade Stabilization Structure	Count of Activities	1
Description	A grade stabilization structure was installed for Richard Gregerson treating over 70 acres of a watershed that flows through this parcel which will help downstream Lake Minnewaska.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	9-May-15
Mapped Activities	1 Point(s)		

Final Indicator for CWF04+15 Richard Gregerson			
Indicator Name	SEDIMENT (TSS)	Value	14
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Minnewaska		
Final Indicator for CWF04+15 Richard Gregerson			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	16.1
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Minnewaska		

Activity Action - CWF02+15 Johnson Bros			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	A grassed waterway was completed along the property line of Gregerson and Johnson and the cost of the project was split 2/3 Gregerson and 1/3 Johnson. A very large watershed comes through this parcel and flows along the property line and has created a large washout which has impacted the township road and downstream Lake Minnewaska.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	9-May-15
Mapped Activities	1 Polygon(s)		

Final Indicator for CWF02+15 Johnson Bros			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	30.86

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Minnewaska		
Final Indicator for CWF02+15 Johnson Bros			
Indicator Name	SEDIMENT (TSS)	Value	26.85
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Minnewaska		

Activity Action - CWF03+15 Richard Gregerson			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	A grassed waterway was installed on the property line between Gregerson and Johnson. The landowners split the cost of the installation of the waterway 2/3 Gregerson and 1/3 Johnson. The waterway has a large watershed that flows through it over 70 acres come to this point and there has been a large gully or washout that has impacted the township road and downstream Lake Minnewaska.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	9-May-15
Mapped Activities	1 Polygon(s)		

Final Indicator for CWF03+15 Richard Gregerson			
Indicator Name	SEDIMENT (TSS)	Value	26.85
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Minnewaska		
Final Indicator for CWF03+15 Richard Gregerson			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	30.86
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Minnewaska		

Activity Action - CWF07+15 Joseph Cihlar		
Practice	638 - Water and Sediment Control Basin	Count of Activities 1
Description	1 water and sediment control basin structure to be implemented Glenwood Twp Sect 35	
Proposed Size / Units	1.00 COUNT	Lifespan 10 Years
Actual Size/Units	1.00 COUNT	Installed Date 24-Oct-15
Mapped Activities	1 Point(s)	

Final Indicator for CWF07+15 Joseph Cihlar		
Indicator Name	SEDIMENT (TSS)	Value 1.0
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool BWSR CALC (SHEET AND RILL)
Waterbody	Lake Minnewaska	

Activity Action - CWF05+15 Robert & Carrey Pederson		
Practice	638 - Water and Sediment Control Basin	Count of Activities 1
Description	Water and Sediment Control Structure	
Proposed Size / Units	1.00 COUNT	Lifespan 10 Years
Actual Size/Units	1.00 COUNT	Installed Date 30-Jun-16
Mapped Activities	1 Point(s)	

Final Indicator for CWF05+15 Robert & Carrey Pederson		
Indicator Name	SEDIMENT (TSS)	Value 354
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool Other
Waterbody	Lake Minnewaska	

Final Indicator for CWF05+15 Robert & Carrey Pederson		
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value 89
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool Other
Waterbody	Lake Minnewaska	

Activity Action - CWF06+15 Lee Tangen		
Practice	638 - Water and Sediment Control Basin	Count of Activities
Description	Wetland Creation	
Proposed Size / Units	1.00 COUNT	Lifespan
Actual Size/Units	1.00 COUNT	Installed Date
Mapped Activities	1 Point(s)	10 Years 30-Jun-16

Final Indicator for CWF06+15 Lee Tangen		
Indicator Name	SEDIMENT (TSS)	Value
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	72.3 Other
Waterbody	Lake Minnewaska	
Final Indicator for CWF06+15 Lee Tangen		
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	97.9 Other
Waterbody	Lake Minnewaska	

Grant Activity - Grant Management and Reporting	
Description	Pope SWCD District Manager will oversee the project and review the project with the SWCD Board on a regular basis (monthly). The District Manager will be reporting reimbursements of grant funds and completing elink updates. The SWCD board of supervisors by a motion in 2014 approved the District Manager, Holly Kovarik as the delegated authority to sign elink financial reports for reimbursements. The District manager will also assure that BWSR FY2015 Clean Water Fund Policies are followed and progress reports will be submitted as required within elink.
Category	ADMINISTRATION/COORDINATION
Start Date	End Date
Has Rates and Hours?	Yes
Actual Results	District Manager oversaw the completing of 7 projects in 2015 and 2016 including coordination and necessary reporting requirements in elink and to the SWCD board. New projects are in design phase to be constructed in 2018.

Grant Activity - Grant Match

Description Landowners will be implementing practices and providing match to the state funds.

Category AGRICULTURAL PRACTICES

Start Date End Date

Has Rates and Hours? No

Actual Results

Grant Activity - Project Development

Description SWCD Manager will be coordinating with landowners to develop project plans and implement projects. The Manager will initiate an eligibility site visit. The project must be in a highest, high, or moderate priority area as defined in the Terrain Analysis. Then a survey is completed of the site and an engineering request is made to the West Central Technical Service Area (TSA) Engineers. The Manager will complete the paperwork to make the engineering request and work with the TSA Engineers to complete a preliminary design. Once the landowner approves the design a contract is developed and signed by the landowner. This request is brought to a SWCD meeting where the board will approve or deny the application for assistance. Once a final design is ready the landowner approves it. The Manager provides a operation and maintenance plan for the landowner to sign and a copy of the construction specifications and engineered plan for the landowner to get contractor estimates and to select a contractor to complete the work. Once the landowner notifies the Manager which contractor has been selected the SWCD works with the contractor to complete the work. A preconstruction meeting is held, site staked, and implemented. The Manager works with the landowner to get a copy of the final invoices from the contractor, completes a payment voucher, and submits this to the SWCD board for approval and payment. All the projects identified in this project are in process with a waiting list. Any new projects will be placed at the bottom of the list and will be cross referenced with the Terrain Analysis and must be in a priority area to receive funding. There are so many projects waiting to be done that additional public relations will be minimized.

Category PROJECT DEVELOPMENT

Start Date 24-Mar-15 End Date

Has Rates and Hours? Yes

Actual Results SWCD Manager coordinated with landowners to develop project plans and implement 5 projects in 2015 and 2 projects in 2016. New projects were in design and survey stages in 2017 and are planned for construction in 2018.

Grant Activity - Technical Assistance and Engineering

Description

The SWCD will be partnering with the West Central Technical Service Area engineering staff to develop water and sediment control basin projects construction plans, survey, and complete construction oversight. The TSA is also working with local staff to train and provide oversight and will be signing off on the vouchers for payment as they have technical approval authority. It is the goal that the SWCD District Manager will eventually have Technical Approval Authority attained with some of these projects through the training currently being received.

Category

TECHNICAL/ENGINEERING ASSISTANCE

Start Date

24-Mar-15

End Date

Has Rates and Hours?

No

Actual Results

The West Central Technical Service Area engineers have been working on design, construction oversight, and verification at the end of each project.

Grant Attachments

Document Name	Document Type	Description
2015 Competitive Grant	Grant Agreement	2015 Competitive Grant - Pope SWCD
2015 Competitive Grant executed	Grant Agreement	2015 Competitive Grant - Pope SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/27/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/20/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/13/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 08/19/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 08/10/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/25/2018
Application	Workflow Generated	Workflow Generated - Application - 09/24/2014
C15-1438 Reconciliation Checklist	Journal	Journal Dated - 04/03/2017
Financial Report 8-11-16	Grant	2015 Lake Minnewaska Targeted Sub Watershed Water and Sediment Control Project Phase II
Lake Minnewaska Sub Watershed Project Phase II Map	Grant	2015 Lake Minnewaska Targeted Sub Watershed Water and Sediment Control Project Phase II
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/23/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/28/2015

Document Name	Document Type	Description
Work Plan grantmap_12730_2014-09-22_11-32-20-AM.jpg	Workflow Generated Grant	Workflow Generated - Work Plan - 03/23/2015 2015 Lake Minnewaska Targeted Sub Watershed Water and Sediment Control Project Phase II