



Grant Progress Report

Projects and Practices 2021

Grant Title: 2021 Lake Minnewaska Targeted Subwatershed Implementation
Project Phase IV

Grant Award (\$): \$235,000.00

Grant Execution Date: 01/28/2021

Grant ID: C21-5927

Required Match (%): 25

Grant End Date: 12/31/2024

Grantee: Pope SWCD

Required Match (\$): \$58,750.00

Fiscal Agent: Pope SWCD

Grant Day-to-Day Contact: Holly Kovarik

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$235,000.00	\$183,379.57	\$51,620.43
Match Funds	\$58,750.00	\$20,386.33	\$38,363.67
Other Funds	\$0.00	\$0.00	\$0.00
Total	\$293,750.00	\$203,765.90	\$89,984.10

*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	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
Grant Management	Administration/Coordination	Current State Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Pr..	\$5,000.00	\$1,516.43	\$3,483.57	N
Construction Materials, Contracted Labor, and	Agricultural Practices	Current State Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Pr..	\$120,000.00	\$92,618.64	\$27,381.36	N

<i>Activity Name</i>	<i>Category</i>	<i>Source Type</i>	<i>Source Description</i>	<i>Budgeted</i>	<i>Spent</i>	<i>Balance Remaining</i>	<i>Match Fund?</i>
Equipment Purchases							
Construction Materials, Contracted Labor, and Equipment Purchases	Agricultural Practices	Landowner Fund	match	\$58,750.00	\$20,386.33	\$38,363.67	Y
Project Development	Project Development	Current State Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Pr..	\$10,000.00	\$10,167.74	(\$167.74)	N
Construction, Materials, Contracted Labor, and Equipment Purchases	Streambank or Shoreline Protection	Current State Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Pr..	\$80,000.00	\$49,065.00	\$30,935.00	N
Technical Assistance and Engineering	Technical/Engineering Assistance	Current State Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Pr..	\$20,000.00	\$30,011.76	(\$10,011.76)	N

Indicator Summary

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Sediment (Tss)	181.75	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	181.75	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	176.75	Lbs/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	231	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	152.95	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	133	Tons/Yr

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	1187.39	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	1032.5	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	1137.5	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	28.05	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	33	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	33	Tons/Yr

Grant Activities

Activity Name: Construction Materials, Contracted Labor, and Equipment Purchases

Activity Category: Agricultural Practices

Staff time?: No

Description: Fund will be used for contractors and earth work needed to complete construction of agricultural erosion and sediment control practices. Most of the project sites have already been identified in the application.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Pr..	\$120,000.00	\$92,618.64	\$27,381.36	01/09/2024	N
Landowner Fund	match	\$58,750.00	\$20,386.33	\$38,363.67	07/19/2022	Y

Actual Results

Fund were used for contractors and earth work needed to complete construction of agricultural erosion and sediment control practices. Most of the project sites have already been identified in the application.

In 2021, we had one landowner project completed for Gerry Maus with 3 WASCOBs and 4 Terrace structures on Lake Malmedahl which is upstream from Lake Minnewaska that was constructed.

We have several projects in design phase currently and hope to construct those in 2022. There is a shoreline restoration and another WASCOB project close to final designs.

In 2022 we finished a project for Kevin Lundebrek and Minnewaska Township for 2 more structures completed. We have 4 projects encumbered to be completed in 2023.

We finished two landowner projects in 2023. We completed 8 water and sediment control basin structures. We have another project in design phase for a grassed waterway project.

Final Indicators		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	1187.39	Lbs/Yr
Soil (Est. Savings)	1137.5	Tons/Yr
Sediment (Tss)	1032.5	Tons/Yr

Activity Action Name:	M01-21 Gerry Maus	Activity Count: 3
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 3 - Acre-Feet/Yr
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	3 WASCObS	Install Date: 08/13/2021
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	301.88	Bwsr Calc (Gully Stabilization)	Malmedahl
Sediment (Tss)	Tons/Yr	262.5	Bwsr Calc (Gully Stabilization)	Malmedahl
Soil (Est. Savings)	Tons/Yr	262.5	Bwsr Calc (Gully Stabilization)	Malmedahl

Activity Action Name:	M01-21 Gerry Maus	Activity Count: 4
Practice Type:	600 - Terrace	Size/Units: 4 - Acre-Feet/Yr
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	4 Terraces	Install Date: 08/13/2021
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	262.5	Bwsr Calc (Gully Stabilization)	Lake Minnewaska
Sediment (Tss)	Tons/Yr	262.5	Bwsr Calc (Gully Stabilization)	Lake Minnewaska
Phosphorus (Est. Reduction)	Lbs/Yr	301.88	Bwsr Calc (Gully Stabilization)	Lake Minnewaska

Activity Action Name:	M02-21 Kevin Lundebrek	Activity Count: 2
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 2 - Acre-Feet/Yr
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	2 water and sediment control basin structures were installed	Install Date: 06/13/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	210	Bwsr Calc (Gully Stabilization)	Lake Minnewaska
Sediment (Tss)	Tons/Yr	105	Bwsr Calc (Gully Stabilization)	Lake Minnewaska
Phosphorus (Est. Reduction)	Lbs/Yr	120.75	Bwsr Calc (Gully Stabilization)	Lake Minnewaska

Activity Action Name:	M07-21 Don Opdahl	Activity Count: 2
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 2 - Acre-Feet/Yr
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	2 Water and Sediment Control basins	Install Date: 05/16/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	87.5	Bwsr Calc (Gully Stabilization)	Lake Minnewaska
Soil (Est. Savings)	Tons/Yr	87.5	Bwsr Calc (Gully Stabilization)	Lake Minnewaska
Phosphorus (Est. Reduction)	Lbs/Yr	100.63	Bwsr Calc (Gully Stabilization)	Lake Minnewaska

Activity Action Name:	M08-21 Joe Cihlar	Activity Count: 6
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 6 - Acre-Feet/Yr
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	6 Water and Sediment Control Basins	Install Date: 11/22/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	315	Bwsr Calc (Gully Stabilization)	Lake Minnewaska
Sediment (Tss)	Tons/Yr	315	Bwsr Calc (Gully Stabilization)	Lake Minnewaska
Phosphorus (Est. Reduction)	Lbs/Yr	362.25	Bwsr Calc (Gully Stabilization)	Lake Minnewaska

Activity Action Name:	03-21 Minnewaska Township	Activity Count: 0
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 0 - Acre-Feet/Yr
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	tile line crossing johnsrud property paid for by township structures on lundebrek parcel and pollution reduction numbers accounted for their also	Install Date: 06/30/2022
		Mapped: No

Activity Name: Construction, Materials, Contracted Labor, and Equipment Purchases

Activity Category: Streambank or Shoreline Protection

Staff time?: No

Description: These funds will be used for contractor and earth work needed to complete construction of shoreline protection practices including the repair of a bluff and an eroding drainage way upstream of Lake Minnewaska.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Pr..	\$80,000.00	\$49,065.00	\$30,935.00	10/17/2023	N

Actual Results

These funds will be used for contractor and earth work needed to complete construction of shoreline protection practices including the repair of a bluff and an eroding drainage way upstream of Lake Minnewaska.

2022-We have encumbered funds for a shoreline protection project, a ravine repair, stormwater project, and a grade stabilization project that will be completed in 2023.

2023-These funds were used for contractor and earth work needed to complete construction of a shoreline protection practice including the repair of a bluff and an eroding drainage way upstream of Lake Minnewaska. The project was finished in 2023.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	33	Tons/Yr
Phosphorus (Est. Reduction)	28.05	Lbs/Yr
Soil (Est. Savings)	33	Tons/Yr

Activity Action Name: M04-21 Nick Houle Shoreline Restoration				Activity Count: 1
Practice Type: 580 - Streambank and Shoreline Protection				Size/Units: 240 - Cfu
TA Provider/JAA: TSA				Lifespan: 10 Years
Practice Description: Shoreline Restoration				Install Date: 09/01/2023
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	33	Bwsr Calc (Stream & Ditch Stabilization)	Lake Minnewaska
Phosphorus (Est. Reduction)	Lbs/Yr	28.05	Bwsr Calc (Stream & Ditch Stabilization)	Lake Minnewaska
Soil (Est. Savings)	Tons/Yr	33	Bwsr Calc (Stream & Ditch Stabilization)	Lake Minnewaska

Activity Name: Grant Management

Activity Category: Administration/Coordination

Staff time?: Yes

Description: Pope SWCD staff managing reporting requirements of grant funds and elink reports.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Pr..	\$5,000.00	\$1,516.43	\$3,483.57	03/10/2023	N

Actual Results

Pope SWCD staff time reporting and administering the grant.

2022-These funds have been used for administration of the grant.

2023-These funds were used for Pope SWCD staff time administering and reporting activities for this grant.

Activity Name: Project Development

Activity Category: Project Development

Staff time?: Yes

Description: Pope SWCD staff coordinating with landowners to develop work plans and strategies for installation of practices. This includes also securing permits to complete the work.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Pr..	\$10,000.00	\$10,167.74	(\$167.74)	11/03/2023	N

Actual Results

Pope SWCD staff coordinating with landowners to develop work plans and strategies for installation of practices. This includes also securing permits to complete the work. We had one project fully completed in 2021 and others in planning phases in 2021.

2022-These funds were primarily for the planning, working through permits, and coordination on 4 separate projects .

2023-Pope SWCD staff coordinating with landowners to develop work plans and strategies for installation of practices. This includes also securing permits to complete the work. We had one project fully completed in 2023 We have 3 projects that are fully designed and ready to construct in 2023. We have a fourth project in design that will be ready to construct in 2023. This will utilize the remaining funds.

Activity Name: Technical Assistance and Engineering

Activity Category: Technical/Engineering Assistance

Staff time?: Yes

Description: Partnering with WCTSA Area II engineering staff to develop WASCOB, shoreline restorations, and erosion and sediment control project construction plans. Most of these current sites are a little more complex. SWCD staff will assist as needed and work on Job Approval Authority for I and E and Construction Inspection. Funds will also be used to pay for the WCTSA Area II staff assisting.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Pr..	\$20,000.00	\$30,011.76	(\$10,011.76)	10/19/2023	N
Actual Results						
Partnering with WCTSA Area II engineering staff to develop WASCOD, shoreline restorations, and erosion and sediment control project construction plans. Most of these current sites are a little more complex. SWCD staff are assisting as needed and work on Job Approval Authority for I and E and Construction Inspection. Funds were used pay for the WCTSA Area II staff assisting.						
2022-There was a considerable amount of design work, permitting, and setting up these projects in 2022. Funds are encumbered and ready for installation in 2023.						
2023-Partnering with WCTSA Area II engineering staff to develop WASCOD, shoreline restorations, and erosion and sediment control project construction plans. We have two projects that are waiting on the contractor to finish the construction. Everything is ready for when the contractor is ready to construct them. We have one new project that we are working on a design.						