



## Grant All-Detail Report Projects and Practices 2021

**Grant Title** - 2021 Lake Minnewaska Targeted Subwatershed Implementation Project Phase IV

**Grant ID** - C21-5927

**Organization** - Pope SWCD

Original Awarded Amount	<b>\$235,000.00</b>	Grant Execution Date	<b>1/28/2021</b>
Required Match Amount	\$58,750.00	Original Grant End Date	12/31/2023
Required Match %	25%	Grant Day To Day Contact	Holly Kovarik
Current Awarded Amount	\$235,000.00	Current End Date	12/31/2023

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$235,000.00	\$93,985.88	\$141,014.12
Total Match Amount	\$58,750.00	\$20,386.33	\$38,363.67
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$293,750.00</b>	<b>\$114,372.21</b>	<b>\$179,377.79</b>

*\*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	2021 Lake Minnewaska Targeted Subwatershed Implementation Pr..	\$120,000.00	\$61,159.02	7/5/2022	N
Construction Materials, Contracted Labor, and Equipment Purchases	Agricultural Practices	Landowner Fund	match	\$58,750.00	\$20,386.33	7/19/2022	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Construction, Materials, Contracted Labor, and Equipment Purchases	Streambank or Shoreline Protection	Current State Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Pr..	\$80,000.00			N
Grant Management	Administration /Coordination	Current State Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Pr..	\$5,000.00	\$1,033.31	12/31/2022	N
Project Development	Project Development	Current State Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Pr..	\$10,000.00	\$6,866.42	12/31/2022	N
Technical Assistance and Engineering	Technical/Engineering Assistance	Current State Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Pr..	\$20,000.00	\$24,927.13	11/23/2022	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	3	3 COUNT	3 COUNT
638 - Water and Sediment Control Basin	2	2	2 COUNT	2 COUNT
600 - Terrace	4	4	4 COUNT	4 COUNT
638 - Water and Sediment Control Basin	0		0 COUNT	0 COUNT

### Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
<b>Construction Materials, Contracted Labor, and</b>	PHOSPHORUS (EST. REDUCTION)	152.95 LBS/YR	Lake Minnewaska	BWSR CALC (GULLY STABILIZATION)	

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
<b>Equipment Purchases</b>					
<b>Construction, Materials, Contracted Labor, and Equipment Purchases</b>	PHOSPHORUS (EST. REDUCTION)	176.75 LBS/YR	Lake Minnewaska	BWSR CALC (STREAM & DITCH STABILIZATION)	
<b>Construction Materials, Contracted Labor, and Equipment Purchases</b>	SOIL (EST. SAVINGS)	231 TONS/YR	lake Minnewaska	BWSR CALC (GULLY STABILIZATION)	
<b>Construction, Materials, Contracted Labor, and Equipment Purchases</b>	SOIL (EST. SAVINGS)	181.75 TONS/YR	Lake Minnewaska	BWSR CALC (STREAM & DITCH STABILIZATION)	
<b>Construction Materials, Contracted Labor, and Equipment Purchases</b>	SEDIMENT (TSS)	133 TONS/YR	Lake Minnewaska	BWSR CALC (GULLY STABILIZATION)	
<b>Construction, Materials, Contracted Labor, and Equipment Purchases</b>	SEDIMENT (TSS)	181.75 TONS/YR	Lake Minnewaska	BWSR CALC (STREAM & DITCH STABILIZATION)	

### Final Indicators Summary

Indicator Name	Total Value	Unit
SEDIMENT (TSS)	630.00	TONS/YR
SOIL (EST. SAVINGS)	735.00	TONS/YR
PHOSPHORUS (EST. REDUCTION)	724.51	LBS/YR

## Grant Activity

Grant Activity - Construction Materials, Contracted Labor, and Equipment Purchases			
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.		
Category	AGRICULTURAL PRACTICES		
Start Date	28-Jan-21	End Date	
Has Rates and Hours?	No		
Actual Results	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>		

Activity Action - M01-21 Gerry Maus			
Practice	638 - Water and Sediment Control Basin	Count of Activities	3
Description	3 WASCObS		
Proposed Size / Units	3.00 COUNT	Lifespan	10 Years
Actual Size/Units	3.00 COUNT	Installed Date	13-Aug-21
Mapped Activities	3 Point(s)	Technical Assistance Provider	TSA

Final Indicator for M01-21 Gerry Maus			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	301.88
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Malmedahl		
Final Indicator for M01-21 Gerry Maus			
Indicator Name	SOIL (EST. SAVINGS)	Value	262.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Malmedahl		

Final Indicator for M01-21 Gerry Maus			
Indicator Name	SEDIMENT (TSS)	Value	262.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Malmedahl		

Activity Action - M01-21 Gerry Maus			
Practice	600 - Terrace	Count of Activities	4
Description	4 Terraces		
Proposed Size / Units	4.00 COUNT	Lifespan	10 Years
Actual Size/Units	4.00 COUNT	Installed Date	13-Aug-21
Mapped Activities	4 Polygon(s)	Technical Assistance Provider	TSA

Final Indicator for M01-21 Gerry Maus			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	301.88
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Minnewaska		

Final Indicator for M01-21 Gerry Maus			
Indicator Name	SEDIMENT (TSS)	Value	262.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Minnewaska		

Final Indicator for M01-21 Gerry Maus			
Indicator Name	SOIL (EST. SAVINGS)	Value	262.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Minnewaska		

Activity Action - M02-21 Kevin Lundebrek			
Practice	638 - Water and Sediment Control Basin	Count of Activities	2
Description	2 water and sediment control basin structures were installed		
Proposed Size / Units	2.00 COUNT	Lifespan	10 Years
Actual Size/Units	2.00 COUNT	Installed Date	13-Jun-22
Mapped Activities	2 Point(s)	Technical Assistance Provider	TSA

Final Indicator for M02-21 Kevin Lundebrek			
Indicator Name	SOIL (EST. SAVINGS)	Value	210.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Minnewaska		

Final Indicator for M02-21 Kevin Lundebrek			
Indicator Name	SEDIMENT (TSS)	Value	105.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Minnewaska		

Final Indicator for M02-21 Kevin Lundebrek			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	120.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Lake Minnewaska		

Activity Action - 03-21 Minnewaska Township			
Practice	638 - Water and Sediment Control Basin	Count of Activities	0
Description	tile line crossing johnsrud property paid for by township structures on lundebrek parcel and pollution reduction numbers accounted for their also		
Proposed Size / Units	0.00 COUNT	Lifespan	10 Years
Actual Size/Units	0.00 COUNT	Installed Date	30-Jun-22
Mapped Activities	No	Technical Assistance Provider	TSA

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

<b>Description</b>	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.		
<b>Category</b>	STREAMBANK OR SHORELINE PROTECTION		
<b>Start Date</b>		<b>End Date</b>	
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>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.</p> <p>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.</p>		

**Grant Activity - Grant Management**

<b>Description</b>	Pope SWCD staff managing reporting requirements of grant funds and elink reports.		
<b>Category</b>	ADMINISTRATION/COORDINATION		
<b>Start Date</b>	28-Jan-21	<b>End Date</b>	
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>Pope SWCD staff time reporting and administering the grant.</p> <p>2022-These funds have been used for administration of the grant.</p>		

Grant Activity - Project Development		
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.	
Category	PROJECT DEVELOPMENT	
Start Date	28-Jan-21	End Date
Has Rates and Hours?	Yes	
Actual Results	<p>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.</p> <p>2022-These funds were primarily for the planning, working through permits, and coordination on 4 separate projects .</p>	

Grant Activity - Technical Assistance and Engineering		
Description	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 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.	
Category	TECHNICAL/ENGINEERING ASSISTANCE	
Start Date	28-Jan-21	End Date
Has Rates and Hours?	Yes	
Actual Results	<p>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.</p> <p>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.</p>	

### Grant Attachments

Document Name	Document Type	Description
2021 Competitive Grant	Grant Agreement	2021 Competitive Grant - Pope SWCD



Document Name	Document Type	Description
<b>2021 Competitive Grant EXECUTED</b>	Grant Agreement	2021 Competitive Grant - Pope SWCD
<b>2021 Lake Minnewaska Project Map</b>	Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Project Phase IV
<b>2021 Lake Minnewaska Targeted Subwatershed Implementation Project Phase IV</b>	Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Project Phase IV
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/30/2023
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/02/2022
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/12/2022
<b>Application</b>	Workflow Generated	Workflow Generated - Application - 08/17/2020
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/27/2021
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 12/17/2020
<b>grantmap_28311_2020-08-17_09-07-04-AM.jpg</b>	Grant	2021 Lake Minnewaska Targeted Subwatershed Implementation Project Phase IV