



Grant All-Detail Report

Projects and Practices Drinking Water 2020

Grant Title - Groundwater Quality Nitrate Reduction Pipestone

Grant ID - C20-6317

Organization - Pipestone SWCD

Original Awarded Amount	\$299,520.00	Grant Execution Date	4/5/2020
Required Match Amount	\$74,880.00	Original Grant End Date	12/31/2022
Required Match %	25%	Grant Day To Day Contact	Laura DeBeer
Current Awarded Amount	\$299,520.00	Current End Date	12/31/2022

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$299,520.00	\$239,660.00	\$59,860.00
Total Match Amount	\$74,940.00	\$77,658.00	\$-2,718.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$374,460.00	\$317,318.00	\$57,142.00

**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
Administration	Administration /Coordination	Local Fund	In-kind	\$3,600.00			Y
Informational Meeting/Field day	Education/Information	Local Fund	In-kind	\$2,800.00			Y
Nitrogen Reducing BMPs such as Cover Crops	Agricultural Practices	Current State Grant	Groundwater Quality Nitrate Reduction Pipestone	\$124,520.00	\$83,520.00	1/4/2021	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Nitrogen Reducing BMPs such as Cover Crops	Agricultural Practices	Landowner Fund	Landowner In-Kind/Match	\$46,665.00	\$52,821.00	1/4/2021	Y
Perennial Vegetation Incentive	Agricultural Practices	Current State Grant	Groundwater Quality Nitrate Reduction Pipestone	\$175,000.00	\$156,140.00	10/8/2020	N
Perennial Vegetation Incentive	Agricultural Practices	Landowner Fund	Landowner In-Kind/Match	\$21,875.00	\$24,837.00	8/13/2020	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
512 - Forage and Biomass Planting	1	1	34 AC	34 AC
512 - Forage and Biomass Planting	1	1	47 AC	47 AC
512 - Forage and Biomass Planting	1	1	13 AC	13 AC
340 - Cover Crop	1	1	263 AC	263 AC
512 - Forage and Biomass Planting	1	1	54 AC	54 AC
512 - Forage and Biomass Planting	1	1	15 AC	15 AC
340 - Cover Crop	1	1	50 AC	AC
512 - Forage and Biomass Planting	1	1	164 AC	164 AC
340 - Cover Crop	1	1	150 AC	150 AC
340 - Cover Crop	1	1	151 AC	151 AC
512 - Forage and Biomass Planting	1	1	175 AC	175 AC
512 - Forage and Biomass Planting	3	3	40 AC	40 AC
512 - Forage and Biomass Planting	1	1	55 AC	55 AC
512 - Forage and Biomass Planting	1	1	23 AC	23 AC
512 - Forage and Biomass Planting	1	1	6.7 AC	6.7 AC
340 - Cover Crop	1	1	20 AC	20 AC
340 - Cover Crop	1	1	112 AC	112 AC
512 - Forage and Biomass Planting	1	1	29 AC	29 AC
512 - Forage and Biomass Planting	1	1	45 AC	45 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
PREVENTION	21.00	COUNT

Grant Activity

Grant Activity - Administration	
Description	Administration of the program will include hours for meetings, landowner contacts, grant administration, and reporting. Reporting will include tracking of the outcomes and adoption rates within the DWSMAs. Administration will be conducted by SWCD staff with time classified as county appropriation. Operation and administration of funds for incentives to implement perennial vegetation establishment and nitrate-nitrogen reducing BMPs at 40 hours over the three year grant at \$40 per hour, total of \$1,600.
Category	ADMINISTRATION/COORDINATION
Start Date	End Date
Has Rates and Hours?	Yes
Actual Results	May 12, 2020 - Adjusted budget from \$1600 to \$3600 due to smaller than anticipated contracts and an increase in the need for administration for payments and tracking.

Grant Activity - Informational Meeting/Field day	
Description	Conduct informational meeting and/or field day to help communicate the need for nitrate-nitrogen reducing activities. This activity will aid in achieving sign-ups for the incentives described in this proposal. All advertising, supplies, and mailings will be conducted by Soil and Water Staff and Water Supplier Staff at 70 hours over the three year grant at \$40 per hour, total of \$2,800.
Category	EDUCATION/INFORMATION
Start Date	End Date
Has Rates and Hours?	Yes
Actual Results	

Grant Activity - Nitrogen Reducing BMPs such as Cover Crops	
Description	Utilization of nitrate-nitrogen reducing BMPs as listed in the Ag BMP Handbook for Minnesota 2017 such as cover crops, nutrient management, conservation tillage etc. To be installed on agricultural land currently in a row crop rotation for \$40 per acre incentive for 3 years. The rate will be paid in a lump sum on initial year and be completed under an operation and maintenance plan and inspected annually by a technical representative of the SWCD. Seeding will be in accordance to NRCS standard #340 titled cover crop establishment and the non-structural policy of Pipestone SWCD. The goal is 70% of targeted agricultural acres, 1456 acres at \$120 per acre totaling \$174,720. In-kind rates for cover crop establishment from the landowner/producer is \$8 for cover crop termination per acre and \$7 per acre for interseeding methods equaling \$15 per acre per year for the cover crop. A three year establishment is \$45 per acre with a target of 1456 acres is \$65,520 of in-kind/match.
Category	AGRICULTURAL PRACTICES
Start Date	14-May-20 End Date
Has Rates and Hours?	No
Actual Results	May 12, 2020 - Adjusted budget from \$174,720 to \$124,520 and acreage target amounts from 1456 acres to 1037 acres due to interest in perennial vegetation being higher than anticipated due to cash crop prices being uncertain in the area. Additionally, cover crops continue to have interest but without the urgency due to the timing of planting perennial vegetation in the area during the spring, with cover crops being a mid to late summer option. Additionally the In-Kind dollar amounts have changed due to the target acres changing for cover crops from \$65,520 to \$46,665.

Activity Action - Cover Crop Planting 01-06			
Practice	340 - Cover Crop	Count of Activities	1
Description	Planting cover crops between row crop production		
Proposed Size / Units	151.00 AC	Lifespan	3 Years
Actual Size/Units	151.00 AC	Installed Date	10-Oct-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Cover Crop Planting 01-06			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Cover Crop Planting 01-07			
Practice	340 - Cover Crop	Count of Activities	1
Description	Cover crop planting between row crop production.		
Proposed Size / Units	20.00 AC	Lifespan	3 Years
Actual Size/Units	20.00 AC	Installed Date	10-Oct-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Cover Crop Planting 01-07			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Cover Crop Planting 01-17			
Practice	340 - Cover Crop	Count of Activities	1
Description	Cover crop planting between row crop production.		
Proposed Size / Units	112.00 AC	Lifespan	3 Years
Actual Size/Units	112.00 AC	Installed Date	2-Oct-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Cover Crop Planting 01-17			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Cover Crop Planting 01-18			
Practice	340 - Cover Crop	Count of Activities	1
Description	Cover crop planting between row crop production.		
Proposed Size / Units	50.00 AC	Lifespan	3 Years
Actual Size/Units	AC	Installed Date	
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Cover Crop Planting 01-18			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Cover Crop Planting 01-20			
Practice	340 - Cover Crop	Count of Activities	1
Description	Cover crop planting between row crop production.		
Proposed Size / Units	263.00 AC	Lifespan	3 Years
Actual Size/Units	263.00 AC	Installed Date	30-Oct-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Cover Crop Planting 01-20			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Cover Crop Planting 01-21			
Practice	340 - Cover Crop	Count of Activities	1
Description	Cover crop planting between row crop production.		
Proposed Size / Units	150.00 AC	Lifespan	3 Years
Actual Size/Units	150.00 AC	Installed Date	30-Oct-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Cover Crop Planting 01-21			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown

Waterbody	Aquifer
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Grant Activity - Perennial Vegetation Incentive

Description	Incentive to seed agricultural land to perennial vegetation or crop such as alfalfa, hay, Kernza, or other perennial crop that is known to scavenge or capture nitrate-nitrogen. \$200 per acre for the first year after verification of planting. To encourage longevity of the vegetation, with a minimum of 3 year requirement, an operation and maintenance plan will be established and inspected annually by a technical representative of the SWCD. Perennial vegetation will be planted with guidance from NRCS standard for conservation crop rotation #328 and in accordance to the Pipestone SWCD policy for non-structural practices. 624 acres within the high and very high vulnerable areas of the DWSMAs within Pipestone County were targeted to install this practice, based on proximity to the wells and infiltration areas. In kind rates to include seedbed prep \$18.50 for perennial vegetation seeding and chemical application in initial year \$6.50 for a total \$25.00 per acre with a target of 624 acres equals \$15,600 of landowner/producer in kind for perennial vegetation.		
Category	AGRICULTURAL PRACTICES		
Start Date	14-May-20	End Date	
Has Rates and Hours?	No		
Actual Results	May 12, 2020 - Adjusted budget from \$124,800 to \$175,000 and the target acres from 624 acres to 875 acres due to the interest in perennial vegetation being high in the area due to cash crop prices being uncertain. Additionally, perennial vegetation, being typically planted in the spring, has an urgency for planting whereas cover crops are a mid to late summer option. In kind was also adjusted to align with the target acres. This makes the dollar amount for In-Kind to change from \$15,600 to \$21,875 for perennial vegetation.		

Activity Action - Perennial Vegetation 01-01			
Practice	512 - Forage and Biomass Planting	Count of Activities	1
Description	New planting of alfalfa		
Proposed Size / Units	34.00 AC	Lifespan	3 Years
Actual Size/Units	34.00 AC	Installed Date	19-May-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Perennial Vegetation 01-01			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Perennial Vegetation 01-02			
Practice	512 - Forage and Biomass Planting	Count of Activities	1
Description	Alfalfa planting		
Proposed Size / Units	15.00 AC	Lifespan	3 Years
Actual Size/Units	15.00 AC	Installed Date	16-May-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Perennial Vegetation 01-02			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Perennial Vegetation 01-03			
Practice	512 - Forage and Biomass Planting	Count of Activities	1
Description	Alfalfa planting		
Proposed Size / Units	175.00 AC	Lifespan	3 Years
Actual Size/Units	175.00 AC	Installed Date	20-May-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Perennial Vegetation 01-03			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Perennial Vegetation 01-05			
Practice	512 - Forage and Biomass Planting	Count of Activities	1
Description	Alfalfa planting		
Proposed Size / Units	40.00 AC	Lifespan	3 Years
Actual Size/Units	40.00 AC	Installed Date	15-May-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Perennial Vegetation 01-05			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Perennial Vegetation 01-08			
Practice	512 - Forage and Biomass Planting	Count of Activities	1
Description	Alfalfa planting		
Proposed Size / Units	47.00 AC	Lifespan	3 Years
Actual Size/Units	47.00 AC	Installed Date	15-May-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Perennial Vegetation 01-08			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Perennial Vegetation 01-09			
Practice	512 - Forage and Biomass Planting	Count of Activities	1
Description	Alfalfa planting		
Proposed Size / Units	40.00 AC	Lifespan	3 Years
Actual Size/Units	40.00 AC	Installed Date	23-May-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Perennial Vegetation 01-09			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Perennial Vegetation 01-11			
Practice	512 - Forage and Biomass Planting	Count of Activities	1
Description	Alfalfa planting		
Proposed Size / Units	54.00 AC	Lifespan	3 Years
Actual Size/Units	54.00 AC	Installed Date	20-May-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Perennial Vegetation 01-11			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown

Waterbody	Aquifer
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Activity Action - Perennial Vegetation 01-12			
Practice	512 - Forage and Biomass Planting	Count of Activities	1
Description	Alfalfa planting		
Proposed Size / Units	164.00 AC	Lifespan	3 Years
Actual Size/Units	164.00 AC	Installed Date	23-May-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Perennial Vegetation 01-12			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Perennial Vegetation 01-13			
Practice	512 - Forage and Biomass Planting	Count of Activities	1
Description	Alfalfa planting		
Proposed Size / Units	55.00 AC	Lifespan	3 Years
Actual Size/Units	55.00 AC	Installed Date	23-May-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Perennial Vegetation 01-13			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Perennial Vegetation 01-15			
Practice	512 - Forage and Biomass Planting	Count of Activities	1
Description	Alfalfa Planting		
Proposed Size / Units	23.00 AC	Lifespan	3 Years
Actual Size/Units	23.00 AC	Installed Date	28-May-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Perennial Vegetation 01-15			
Indicator Name	PREVENTION	Value	1

Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Perennial Vegetation 01-16			
Practice	512 - Forage and Biomass Planting	Count of Activities	1
Description	Pasture mix establishment		
Proposed Size / Units	13.00 AC	Lifespan	3 Years
Actual Size/Units	13.00 AC	Installed Date	28-May-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Perennial Vegetation 01-16			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Perennial Vegetation 01-14			
Practice	512 - Forage and Biomass Planting	Count of Activities	1
Description	Alfalfa planting		
Proposed Size / Units	40.00 AC	Lifespan	3 Years
Actual Size/Units	40.00 AC	Installed Date	20-May-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Perennial Vegetation 01-14			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Perennial Vegetation 01-10			
Practice	512 - Forage and Biomass Planting	Count of Activities	1
Description	Alfalfa planting		
Proposed Size / Units	45.00 AC	Lifespan	3 Years
Actual Size/Units	45.00 AC	Installed Date	16-May-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Perennial Vegetation 01-10			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Perennial Vegetation 01-04			
Practice	512 - Forage and Biomass Planting	Count of Activities	1
Description	Alfalfa planting		
Proposed Size / Units	29.00 AC	Lifespan	3 Years
Actual Size/Units	29.00 AC	Installed Date	28-May-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Perennial Vegetation 01-04			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Activity Action - Perennial Vegetation 01-19			
Practice	512 - Forage and Biomass Planting	Count of Activities	1
Description	Planting of Kernza-Intermediate Wheatgrass		
Proposed Size / Units	6.70 AC	Lifespan	3 Years
Actual Size/Units	6.70 AC	Installed Date	28-Sep-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Perennial Vegetation 01-19			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Aquifer		

Grant Attachments

Document Name	Document Type	Description
2020 Competitive Grant	Grant Agreement	2020 Competitive Grant - Pipestone SWCD
2020 Competitive Grant EXECUTED	Grant Agreement	2020 Competitive Grant - Pipestone SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 09/23/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 09/14/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/20/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 09/23/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/26/2021
Application	Workflow Generated	Workflow Generated - Application - 09/09/2019
City of Edgerton DWSMA	Grant	Groundwater Quality Nitrate Reduction Pipestone
City of Pipestone DWSMA	Grant	Groundwater Quality Nitrate Reduction Pipestone
LPRW Holland DWSMA	Grant	Groundwater Quality Nitrate Reduction Pipestone
LPRW North Holland DWSMA	Grant	Groundwater Quality Nitrate Reduction Pipestone
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/31/2020
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/22/2020
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 05/12/2020
grantmap_24772_2019-09-06_10-19-28-AM.jpg	Grant	Groundwater Quality Nitrate Reduction Pipestone