Grant All-Detail Report
Projects and Practices 2018

Grant Title - 2018 Trout Brook Watershed Initiative Phase 2
Grant ID - C18-5247
Organization - Dakota SWCD

Original Awarded Amount	**$200,000.00**	**Grant Execution Date**	**5/14/2018**
Required Match Amount	$50,000.00	**Original Grant End Date**	12/31/2020
Required Match %	25%	**Grant Day To Day Contact**	
Current Awarded Amount	$200,000.00	**Current End Date**	12/31/2022

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	$200,000.00	$180,037.19	$19,962.81
Total Match Amount	$50,000.00	$32,796.79	$17,203.21
Total Other Funds	$0.00	$0.00	$0.00
Total	**$250,000.00**	**$212,833.98**	**$37,166.02**

**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	Current State Grant	2018 Trout Brook Watershed Initiative Phase 2	$3,000.00	$1,994.20	12/31/2021	N
Project Development	Planning and Assessment	Current State Grant	2018 Trout Brook Watershed Initiative Phase 2	$25,000.00	$25,000.00	9/30/2021	N
Projects	Agricultural Practices	Current State Grant	2018 Trout Brook Watershed Initiative Phase 2	$130,000.00	$117,917.99	11/10/2021	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Projects	Agricultural Practices	Landowner Fund	Landowner Funds	$0.00	$18,893.40	11/10/2021	Y
Projects Nonstructural	Non-Structural Management Practices	Current State Grant	2018 Trout Brook Watershed Initiative Phase 2	$20,000.00	$13,125.00	12/9/2021	N
Technical/Engineering Assistance	Technical/Engineering Assistance	Current State Grant	2018 Trout Brook Watershed Initiative Phase 2	$22,000.00	$22,000.00	9/30/2021	N
Technical/Engineering Assistance Match	Technical/Engineering Assistance	Local Fund	Dakota County	$50,000.00	$13,903.39	6/30/2021	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
340 - Cover Crop	1		75 AC	75 AC
412 - Grassed Waterway and Swales	2	2	2950 LINEAR FEET	2950 LINEAR FEET
340 - Cover Crop	1		151 AC	151 AC
410 - Grade Stabilization Structure	1	1	450 LINEAR FEET	450 LINEAR FEET
410 - Grade Stabilization Structure	1	1	0.4 AC	0.4 AC
340 - Cover Crop	1	1	100 AC	100 AC
340 - Cover Crop	1		135 AC	135 AC

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Projects	SEDIMENT (TSS)	670 TONS/YR	Cannon River, Trout Brook	BWSR CALC (GULLY STABILIZATION)	

Final Indicators Summary

Indicator Name	Total Value	Unit
NITROGEN	1,641.61	LBS/YR
SEDIMENT (TSS)	688.88	TONS/YR
PHOSPHORUS (EST. REDUCTION)	756.21	LBS/YR
SOIL (EST. SAVINGS)	1,485.91	TONS/YR

Grant Activity

Grant Activity - Administration			
Description	SWCD staff will manage the State funds and local match to include tracking employee time and billable rates, referencing BWSR Grants Administration Manual, providing interim and final eLINK reports, financial record keeping and providing website updates.		
Category	ADMINISTRATION/COORDINATION		
Start Date	4-May-18	**End Date**	
Has Rates and Hours?	Yes		
Actual Results	This grant was executed on May 14, 2018. Grant funds totaling $100,000 (50%) were recorded as a deposit on May 16, 2018. This grant agreement has been extended to December 31, 2022.		

Grant Activity - Project Development			
Description	Project development will include support activities such as marketing; geographic and pollutant target maps for landowners; community engagement and education with landowners to create a broader understanding of regional and state water quality goals. Dakota County SWCD is already in the process of conducting targeted meetings with individual landowners. The Trout Brook Subwatershed Analysis has identified the locations of the highest priority projects and is being used to initiate discussions with landowners about impairments within Trout Brook and communicate information about cost share funding and technical assistance for the installation of the identified sediment reduction practices. These activities would continue through the grant work plan.		
Category	PLANNING AND ASSESSMENT		
Start Date	4-May-18	**End Date**	
Has Rates and Hours?	Yes		
Actual Results	Initially, staff were reviewing and updating maps and cost-benefit calculations for the previously completed SWA. Staff have provided technical assistance to 13 landowners regarding potential projects. At this time, four projects have been completed, four projects are under contract, and one project has been canceled. Technical Assistance hours totaling $11,588.57 (billable rate) have been transferred to this activity. Activity funds of $3,600 have been paid to Rehder and Associates for the Fasbender project topographic survey. All funds in this activity have been expended.		

Grant Activity - Projects			
Description	BMPs will be installed using the SWCD's Incentive Payment Practices (IPP) program policies adopted by the Board of Supervisors. Approximately 20 practices will be installed through this grant which will reduce an estimated 670 tons of sediment per year.		
Category	AGRICULTURAL PRACTICES		
Start Date	4-May-18	**End Date**	
Has Rates and Hours?	No		
Actual Results	Three landowners have completed 4 best management practices, including two grassed waterways and two grade stabilization structures.		

Activity Action - Molitor Land LLC			
Practice	412 - Grassed Waterway and Swales	**Count of Activities**	2
Description	The existing grassed waterways were beyond their functional lifespan and surface water runoff that could not be handled by the waterways was causing gully erosion in the field. The waterways were reconstructed to adequately convey runoff.		
Proposed Size / Units	2,950.00 LINEAR FEET	**Lifespan**	10 Years
Actual Size/Units	2,950.00 LINEAR FEET	**Installed Date**	29-Apr-21
Mapped Activities	2 Polygon(s)	**Technical Assistance Provider**	SWCD

Final Indicator for Molitor Land LLC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	91.80
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Trout Brook Watershed of Cannon River		

Final Indicator for Molitor Land LLC			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	91.80
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Trout Brook Watershed of Cannon River		

Final Indicator for Molitor Land LLC			
Indicator Name	SEDIMENT (TSS)	**Value**	91.80
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Trout Brook Watershed of Cannon River		

Activity Action - Dan Duncomb			
Practice	410 - Grade Stabilization Structure	**Count of Activities**	1
Description	An existing grade stabilization structure was reconstructed to meet current design standards. The original structure was constructed in 1958.		
Proposed Size / Units	0.40 AC	**Lifespan**	10 Years
Actual Size/Units	0.40 AC	**Installed Date**	1-Jun-21
Mapped Activities	1 Point(s)	**Technical Assistance Provider**	SWCD

Final Indicator for Dan Duncomb			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	10.20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Trout Brook Watershed of Cannon River		

Final Indicator for Dan Duncomb			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	10.20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Trout Brook Watershed of Cannon River		
Final Indicator for Dan Duncomb			
Indicator Name	SEDIMENT (TSS)	**Value**	10.20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Trout Brook Watershed of Cannon River		

Activity Action - Maureen J Fasbender Trust			
Practice	410 - Grade Stabilization Structure	**Count of Activities**	1
Description	A 450 foot long gully was stabilized by regrading, installing rock checks, and reinforcing a steep slope with rip-rap. A sediment basin was constructed to capture sediment from upland surface water runoff.		
Proposed Size / Units	450.00 LINEAR FEET	**Lifespan**	10 Years
Actual Size/Units	450.00 LINEAR FEET	**Installed Date**	28-Oct-21
Mapped Activities	1 Point(s)	**Technical Assistance Provider**	Private Consultant

Final Indicator for Maureen J Fasbender Trust			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	442.71
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Trout Brook of Cannon River		
Final Indicator for Maureen J Fasbender Trust			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	442.71
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Trout Brook of Cannon River		
Final Indicator for Maureen J Fasbender Trust			
Indicator Name	SEDIMENT (TSS)	**Value**	442.71
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Trout Brook of Cannon River		

Grant Activity - Projects Nonstructural			
Description	Non-structural BMPs will be installed using the SWCD's Incentive Payment Practices program policies adopted by the Board of Supervisors. Non-structural practices include cover crops (NRCS Conservation Practice Standard 340). Flat rates will be used and were developed based on EQIP rates, rates of surrounding SWCD cover crop programs, and discussions with landowners. 2018 rates are $35 per acre per year for a multiple year contract. Based on CWF policy, non-structural practices will have a 3-year contract. There will be a maximum of 100 acres per applicant. The full 3-year incentive will be paid to landowners after the first year of seeding cover crops and inspections would be conducted in years two and three to verify cover crop seeding in order to ensure compliance with a three year contract. Issuing full payment after the first year of seeding will guarantee that funds are utilized within the grant period.		
Category	NON-STRUCTURAL MANAGEMENT PRACTICES		
Start Date	4-May-18	**End Date**	
Has Rates and Hours?	No		
Actual Results	Two landowners have completed a one-year cover crop installation on a total of 375 acres.		

Activity Action - Peine Cattle Company			
Practice	340 - Cover Crop	**Count of Activities**	1
Description	A winter cereal rye cover crop was planted on 100 acres following corn silage and will be planted for two more years. The cover crop will provide erosion control, reduce weed pressure, and prevent nutrient leaching.		
Proposed Size / Units	100.00 AC	**Lifespan**	3 Years
Actual Size/Units	100.00 AC	**Installed Date**	15-Oct-21
Mapped Activities	1 Polygon(s)	**Technical Assistance Provider**	SWCD

Final Indicator for Peine Cattle Company			
Indicator Name	NITROGEN	**Value**	916.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River		
Final Indicator for Peine Cattle Company			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	93.95
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River		
Final Indicator for Peine Cattle Company			
Indicator Name	SEDIMENT (TSS)	**Value**	73.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)

Waterbody	Cannon River		
Final Indicator for Peine Cattle Company			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	210.00
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River		

Activity Action - Peine Farms 21-IPP-05			
Practice	340 - Cover Crop	**Count of Activities**	1
Description	A winter cereal rye cover crop was planted on 135 acres following corn earlage harvest . Cover crops will be planted for two additional years. The cover crops will provide erosion control, reduce weed pressure, and prevent nutrient leaching.		
Proposed Size / Units	135.00 AC	**Lifespan**	3 Years
Actual Size/Units	135.00 AC	**Installed Date**	24-Nov-21
Mapped Activities	No	**Technical Assistance Provider**	SWCD

Final Indicator for Peine Farms 21-IPP-05			
Indicator Name	NITROGEN	**Value**	271.35
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River		
Final Indicator for Peine Farms 21-IPP-05			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	23.95
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River		
Final Indicator for Peine Farms 21-IPP-05			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	121.20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River		
Final Indicator for Peine Farms 21-IPP-05			
Indicator Name	SEDIMENT (TSS)	**Value**	14.21
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River		

Activity Action - Peine Farms 21-IPP-06			
Practice	340 - Cover Crop	**Count of Activities**	1
Description	A winter cereal rye cover crop was planted on 151 acres following corn earlage harvest. Cover crops will be planted for two additional years. The cover crops will provide erosion control, reduce weed pressure, and prevent nutrient leaching.		
Proposed Size / Units	151.00 AC	**Lifespan**	3 Years
Actual Size/Units	151.00 AC	**Installed Date**	24-Nov-21
Mapped Activities	No	**Technical Assistance Provider**	SWCD

Final Indicator for Peine Farms 21-IPP-06			
Indicator Name	NITROGEN	**Value**	303.51
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River		

Final Indicator for Peine Farms 21-IPP-06			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	70.97
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River		

Final Indicator for Peine Farms 21-IPP-06			
Indicator Name	SEDIMENT (TSS)	**Value**	44.15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River		

Final Indicator for Peine Farms 21-IPP-06			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	377.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River		

Activity Action - Peine Farms 21-IPP-07			
Practice	340 - Cover Crop	**Count of Activities**	1
Description	A winter cereal rye cover crop was planted on 75 acres following corn earlage harvest. Cover crops will be planted for two additional years. The cover crops will provide erosion control, reduce weed pressure, and prevent nutrient leaching.		
Proposed Size / Units	75.00 AC	**Lifespan**	3 Years
Actual Size/Units	75.00 AC	**Installed Date**	24-Nov-21
Mapped Activities	No	**Technical Assistance Provider**	SWCD

Final Indicator for Peine Farms 21-IPP-07			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	22.63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River		

Final Indicator for Peine Farms 21-IPP-07			
Indicator Name	NITROGEN	**Value**	150.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River		

Final Indicator for Peine Farms 21-IPP-07			
Indicator Name	SEDIMENT (TSS)	**Value**	12.31
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River		

Final Indicator for Peine Farms 21-IPP-07			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	232.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cannon River		

Grant Activity - Technical/Engineering Assistance			
Description	Technical/Engineering will include activities associated with the survey/design, construction, and inspection of installed BMPs. The Dakota County Soil and Water Conservation District (District) will ensure that staff has the necessary skill and training to install and maintain projects according to standards and specifications. Technical expertise of the District includes: 1 Certified Professional in Erosion and Sediment Control, 1 Certified Wetland Delineator – State of Minnesota, 5 Staff with USDA – Natural Resources Conservation Service Technical Approval Authority under Ecological and Engineering Sciences. When professional engineering is required or specific conservation practices require expertise above current technical capacity, the District will utilize professional engineers or staff from consultants, Dakota County Environmental Resources, municipalities, Minnesota Board of Water and Soil Resources or the USDA - Natural Resources Conservation Service.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	4-May-18	**End Date**	
Has Rates and Hours?	Yes		
Actual Results	Staff have been providing technical assistance to 13 landowners for potential projects. At this time, four projects have been completed, four projects are under contract, and one project has been canceled. Technical Assistance hours totaling $11,588.57 (billable rate) have been transferred to project development and hours totaling $3,211.02 will be paid through the agreement for grant match with Dakota County (in quarter 4 of 2021). All funds in this activity have been expended.		

Grant Activity - Technical/Engineering Assistance Match			
Description	Project Match will include Technical/Engineering activities associated with the survey/design, construction, and inspection of installed BMPs. The Dakota County Soil and Water Conservation District (District) will ensure that staff has the necessary skill and training to install and maintain projects according to standards and specifications. Technical expertise of the District includes: 1 Certified Professional in Erosion and Sediment Control, 1 Certified Wetland Delineator – State of Minnesota, 5 Staff with USDA – Natural Resources Conservation Service Technical Approval Authority under Ecological and Engineering Sciences. When professional engineering is required or specific conservation practices require expertise above current technical capacity, the District will utilize professional engineers or staff from consultants, Dakota County Environmental Resources, municipalities, Minnesota Board of Water and Soil Resources or the USDA - Natural Resources Conservation Service.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	4-May-18	**End Date**	
Has Rates and Hours?	No		
Actual Results	A funding agreement, with Dakota County, to provide up to $60,000 in matching funding was executed on January 2, 2019. To date, they have provided project development and technical assistance funding for the Duncomb and Molitor projects.		

Grant Attachments

Document Name	Document Type	Description
2018 Competitive Grant	Grant Agreement	2018 Competitive Grant - Dakota SWCD
2018 Competitive Grant Amendment EXECUTED	Grant Agreement Amendment	
2018 Competitive Grant amendment EXECUTED	Grant Agreement Amendment	
2018 Competitive Grant executed	Grant Agreement	2018 Competitive Grant - Dakota SWCD
2021 Dakota SWCD Local Policies	Journal	Journal Dated - 03/25/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/12/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/31/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/21/2020

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/06/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 05/08/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/28/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/13/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/12/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/18/2021
Application	Workflow Generated	Workflow Generated - Application - 08/09/2017
Billable Rates	Grant	2018 Trout Brook Watershed Initiative Phase 2
C18-5247 Grant Amendment2	Grant Agreement Amendment	
C18-5247_Dakota SWCD Extension1	Grant Agreement Amendment	
DC Parks Invoice for Match 1	Grant	2018 Trout Brook Watershed Initiative Phase 2
DC Parks Invoice for Match 2	Grant	2018 Trout Brook Watershed Initiative Phase 2
Duncomb V and FS	Grant	2018 Trout Brook Watershed Initiative Phase 2
Fasbender V and FS	Grant	2018 Trout Brook Watershed Initiative Phase 2
Financial Report Interim	Grant	2018 Trout Brook Watershed Initiative Phase 2
Molitor Land LLC V and FS	Grant	2018 Trout Brook Watershed Initiative Phase 2
Peine Cattle Co Voucher and FS	Grant	2018 Trout Brook Watershed Initiative Phase 2
QB Revenue Log Projects	Grant	2018 Trout Brook Watershed Initiative Phase 2
QB Revenue Log TA	Grant	2018 Trout Brook Watershed Initiative Phase 2
Rehder Invoice Paid with Grant Funds	Grant	2018 Trout Brook Watershed Initiative Phase 2
SWCD Billable Rate	Grant	2018 Trout Brook Watershed Initiative Phase 2
SWCD Staff Time	Grant	2018 Trout Brook Watershed Initiative Phase 2
Trout Brook BR	Grant	2018 Trout Brook Watershed Initiative Phase 2
Trout Brook Potential Practices by Type	Grant	2018 Trout Brook Watershed Initiative Phase 2
Trout Brook Time	Grant	2018 Trout Brook Watershed Initiative Phase 2
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/20/2017
grantmap_19104_2017-08-09_08-21-41-AM.jpg	Grant	2018 Trout Brook Watershed Initiative Phase 2