



Grant All-Detail Report SWCD Local Capacity Services 2022

Grant Title - 2022 - SWCD Local Capacity Services (Root River SWCD)

Grant ID - P22-6148

Organization - Root River SWCD

Original Awarded Amount	\$125,167.00	Grant Execution Date	11/24/2021
Required Match Amount	\$0.00	Original Grant End Date	12/31/2024
Required Match %	0%	Grant Day To Day Contact	Janice Messner
Current Awarded Amount	\$125,167.00	Current End Date	12/31/2024

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$125,167.00	\$85,464.48	\$39,702.52
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$125,167.00	\$85,464.48	\$39,702.52

**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
2022 - Administrative	Administration /Coordination	Current State Grant	2022 - SWCD Local Capacity Services (Root River SWCD)	\$20,000.00	\$10,457.24	12/30/2022	N
2022 - Cover Crop Cost Share	Non-Structural Management Practices	Current State Grant	2022 - SWCD Local Capacity Services (Root River SWCD)	\$8,700.00	\$8,700.00	11/10/2022	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2022 - Technical & Engineering	Technical/Engineering Assistance	Current State Grant	2022 - SWCD Local Capacity Services (Root River SWCD)	\$90,467.00	\$61,888.91	12/30/2022	N
RIM Conservation Updates	Planning and Assessment	Current State Grant	2022 - SWCD Local Capacity Services (Root River SWCD)	\$6,000.00	\$4,418.33	12/30/2022	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
340 - Cover Crop	1	1	14.66666 AC	14.66666 AC
340 - Cover Crop	1	1	22 AC	22 AC
340 - Cover Crop	2	7	30 AC	30 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
NITROGEN	965.80	LBS/YR
SEDIMENT (TSS)	14.78	TONS/YR
PHOSPHORUS (EST. REDUCTION)	67.00	LBS/YR
SOIL (EST. SAVINGS)	41.65	TONS/YR

Grant Activity

Grant Activity - 2022 - Administrative

Description	<p>Funds will be used for grant administrative costs for the coordination of grant activities, work plan, budget and grant reporting.</p> <p>The funds will also assist with administrative costs in preparing contracts, amendments, payments and site inspection forms for the Root River 1W1P cost share contracts.</p> <p>Funding will support SWCD's staff time for training/conferences, which may include engineering, ecological science practice or other trainings for future programs that may be offered through the SWCD. It will also include training/conferences to enhance administrative staff.</p> <p>These activities meet the One Watershed, One Plan SC - 4.1 and SC - 4.4; Houston County Water Plan Goal 3.A.2.</p>		
Category	ADMINISTRATION/COORDINATION		
Start Date	24-Nov-21	End Date	
Has Rates and Hours?	Yes		
Actual Results	<p>CY2021 No funds were expended.</p> <p>CY2022 Admin Janice 32.75 hr @ 50.19 = 1643.72 Dist Man Dave 5 hr@ 63.21 = 316.05 Ast Man Bob 12.5 hr @ 61.85 = 773.13 Tech Jean 35 hr @ 42.38 = 1483.30 Tech Dan 31.52057264 hr @ 47.15 = 1486.19 Mileage 255 @ .585 = 149.18 & 130 @ .325 = 42.25</p> <p>CY22 3rd & 4th Qtr Adm Jan 53.75 hr@50.19=2697.71 Dis Man Dave 2 hr@63.21=126.42; Tec Jean 21 hr@43.32=909.72; Ast Man Bob 1 @ 61.85 = 61.85; Tech Dan 7 hrs @47.15 = 330.05 Mileage 323 @0.625 = 201.88; additional 4th Qtr Adm Janice 4.25 hrs @ 55.48 = 235.79</p> <p>Funds were used for staff attending on-line & in person trainings along with mileage; eLink reporting, grant reconciliations; cost share contracts, approval, amendment and payment letter to landowners; and preparing work plans. Remaining fund balance \$9,542.76.</p>		

Grant Activity - 2022 - Cover Crop Cost Share

Description	<p>Funds will be used to provide flat rate cost share dollars to producers in Houston County who have not implemented cover crops on a field in the last 5 years.</p> <p>Referencing the Root River SWCD Cost Share Policy attached, a 30 acre cap will be implemented, using a cost share incentive rate of \$30.00 per acre for three consecutive years.</p> <p>A one-time payment per operator will be paid at the time of seeding the first year.</p> <p>Standards and specifications found in the NRCS Field Office Technical Guide will be followed and the Minnesota Cover Crop Design Worksheet will be utilized to develop projects for producers.</p> <p>This activity is supported by the One Watershed, One Plan SW - 3.2, SW - 3.5, SW - 4.2, SW - 5.1, SW - 5.3, SW - 6.3, GW - 1.9, GW - 4.4, SC - 2.4, SUST - 2.4 and Houston County Water Plan Goal 2.B.1.</p>		
Category	NON-STRUCTURAL MANAGEMENT PRACTICES		
Start Date	24-Nov-21	End Date	10-Nov-22
Has Rates and Hours?	No		
Actual Results	<p>CY2021 No funds were expended.</p> <p>CY2022 \$8,700 was expended. Four operators installed 96.66666 acres of cover crops.</p>		

Activity Action - Skifton, Gerald 01FY22LC-CC			
Practice	340 - Cover Crop	Count of Activities	1
Description	Landowner would like to improve soil health while reducing erosion on cropland.		
Proposed Size / Units	30.00 AC	Lifespan	3 Years
Actual Size/Units	30.00 AC	Installed Date	13-Oct-22
Mapped Activities	5 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Skifton, Gerald 01FY22LC-CC			
Indicator Name	NITROGEN	Value	233.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	HSPF SAM - 12 Digit HUC
Waterbody	Root River		

Final Indicator for Skifton, Gerald 01FY22LC-CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	10.98
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Root River		
Final Indicator for Skifton, Gerald 01FY22LC-CC			
Indicator Name	SEDIMENT (TSS)	Value	6.12
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Root River		
Final Indicator for Skifton, Gerald 01FY22LC-CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	12.12
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Root River		

Activity Action - Von Arx, Andy 02FY22LC-CC			
Practice	340 - Cover Crop	Count of Activities	1
Description	Landowner would like to reduce erosion while improving soil health.		
Proposed Size / Units	22.00 AC	Lifespan	3 Years
Actual Size/Units	22.00 AC	Installed Date	22-Oct-22
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Von Arx, Andy 02FY22LC-CC			
Indicator Name	NITROGEN	Value	325.6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	HSPF SAM - 12 Digit HUC
Waterbody	Crooked Creek		
Final Indicator for Von Arx, Andy 02FY22LC-CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	2.2
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Crooked Creek		
Final Indicator for Von Arx, Andy 02FY22LC-CC			
Indicator Name	SEDIMENT (TSS)	Value	.06
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Crooked Creek		
Final Indicator for Von Arx, Andy 02FY22LC-CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	.08
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Crooked Creek		

Activity Action - Myhre, Paul #03FY22LC-CC			
Practice	340 - Cover Crop	Count of Activities	1
Description	Landowner would like to reduce erosion and increase soil health.		
Proposed Size / Units	30.00 AC	Lifespan	3 Years
Actual Size/Units	30.00 AC	Installed Date	22-Oct-22
Mapped Activities	2 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Myhre, Paul #03FY22LC-CC

Indicator Name	SEDIMENT (TSS)	Value	3.05
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Root River		

Final Indicator for Myhre, Paul #03FY22LC-CC

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	19.39
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Root River		

Final Indicator for Myhre, Paul #03FY22LC-CC

Indicator Name	NITROGEN	Value	177.2
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	HSPF SAM - 12 Digit HUC
Waterbody	Root River		

Final Indicator for Myhre, Paul #03FY22LC-CC

Indicator Name	SOIL (EST. SAVINGS)	Value	20.4
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Root River		

Activity Action - Doering, Dennis 04FY22LC-CC			
Practice	340 - Cover Crop	Count of Activities	1
Description	Landowner would like to reduce erosion while improving soil health.		
Proposed Size / Units	14.67 AC	Lifespan	3 Years
Actual Size/Units	14.67 AC	Installed Date	29-Oct-22
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	SWCD

Final Indicator for Doering, Dennis 04FY22LC-CC

Indicator Name	NITROGEN	Value	229.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	HSPF SAM - 12 Digit HUC
Waterbody	Mormon Creek - Mississippi River		

Final Indicator for Doering, Dennis 04FY22LC-CC			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	35.41
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Mormon Creek - Mississippi River		
Final Indicator for Doering, Dennis 04FY22LC-CC			
Indicator Name	SOIL (EST. SAVINGS)	Value	8.07
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Mormon Creek - Mississippi River		
Final Indicator for Doering, Dennis 04FY22LC-CC			
Indicator Name	SEDIMENT (TSS)	Value	5.55
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Mormon Creek - Mississippi River		

Grant Activity - 2022 - Technical & Engineering			
Description	<p>Staff will provide technical and engineering assistance to landowners/operators with their various resource concerns. With staffs assistance a reduction in sediment, savings in soil and management of nutrient pollution is being addressed.</p> <p>Staff, with appropriate Job Approval Authority, will complete surveys, project designs and assist with constructions and completion of projects following the standards and specifications of the NRCS Field Office Technical Guide.</p> <p>Technical staff will also perform follow-up operation and maintenance site inspections.</p> <p>This is in correlation with Root River One Watershed, One Plan SC - 4.4; SC - 2.4; SC - 2.6 and Houston County Water Plan Goal 2.B.2, 3, 5, 10, 11, 12; Goal 2.C.5; Goal 2.D.2; Goal 2.F.3.</p>		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	24-Nov-21	End Date	
Has Rates and Hours?	Yes		
Actual Results	<p>CY2021 No funds were expended.</p> <p>CY2022 Tec Dan 372.9155 hr@47.15 =17582.97 Tec Jean 279.0021 hr@43.32 =12086.37 Dist Man Dave 253 hr@63.21 =15992.13 Ast Man Bob 167 hr@61.85 =10328.95 Mileage 2353 mi@ .625 =1470.89 & 2451 mi@.365=894.62. CY2022 Tec Dan 42 hrs @ 50.44 = 2118.48; Tec Jean 30 hrs @ 47.15 = 1414.50. Remaining fund balance \$28,578.36.</p>		

Grant Activity - RIM Conservation Updates

Description	Funds will be used for expenses to update RIM conservation plans and ownership changes. This includes technical and administrative time, mileage and fees to obtain updated deed information.	
	This is supported by the Root River One Watershed One Plan Policy 2.6.2.2 Land Asset Management; LF - 4.2; LF - 4.4; LF - 6.3; SUST - 1.5 and Houston County Water Plan Policy Goal 2.A.1.	
Category	PLANNING AND ASSESSMENT	
Start Date	24-Nov-21	End Date
Has Rates and Hours?	Yes	
Actual Results	CY2021 No funds were expended. CY2022 Admin Janice 46.8813 hrs @50.19=2352.97; Tech Jean 45.5 hrs @43.32=1971.06; Tech Dan 2 hrs @47.15=94.30 Funds were used for preparing landowner letters and completed site inspections; amendment requests; ownership changes; conservation plan updates; shape files and maps. Remaining fund balance \$1,581.67	

Grant Attachments

Document Name	Document Type	Description
2022 SWCD Local Capacity and Buffer Law Implementation	Grant Agreement	2022 SWCD Local Capacity and Buffer Law Implementation - Root River SWCD
2022 SWCD Local Capacity and Buffer Law Implementation EXECUTED	Grant Agreement	2022 SWCD Local Capacity and Buffer Law Implementation - Root River SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/05/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/03/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/04/2023
Cost Share Policy - Root River SWCD	Grant	2022 - SWCD Local Capacity Services (Root River SWCD)
SWCD Local Cost-Share Policy 2022-12-08	Grant	2022 - SWCD Local Capacity Services (Root River SWCD)
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 10/07/2021
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 11/04/2021