



Grant All-Detail Report SWCD Local Capacity Services 2021

Grant Title - 2021 - SWCD Local Capacity Services (Lyon SWCD)

Grant ID - P21-2720

Organization - Lyon SWCD

Original Awarded Amount	\$128,184.00	Grant Execution Date	10/22/2020
Required Match Amount	\$0.00	Original Grant End Date	12/31/2023
Required Match %	0%	Grant Day To Day Contact	Anita Cauwels
Current Awarded Amount	\$128,184.00	Current End Date	12/31/2023

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$128,184.00	\$60,874.72	\$67,309.28
Total Match Amount	\$19,674.06	\$19,674.06	\$0.00
Total Other Funds	\$48,045.16	\$48,045.16	\$0.00
Total	\$195,903.22	\$128,593.94	\$67,309.28

*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
James Rokeh - BMP	Agricultural Practices	Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$5,291.25			N
Local Match - 2021 Technician	Technical/Engineering Assistance	Local Fund	Local Contribution	\$14,400.00	\$14,400.00	12/31/2022	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Lucas Satter - BMP	Agricultural Practices	Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$5,513.13	\$5,513.13	12/20/2022	N
Lucas Satter - BMP	Agricultural Practices	Other Funds	2020 - SWCD Local Capacity Services (Lyon SWCD)	\$183.09	\$183.09	12/20/2022	N
Lucas Satter - BMP	Agricultural Practices	Other Funds	2021 - Conservation Delivery (Lyon SWCD)	\$4,029.98	\$4,029.98	12/20/2022	N
Lucas Satter - BMP	Agricultural Practices	Other Funds	2022 - SWCD Local Capacity Services (Lyon SWCD)	\$7,952.57	\$7,952.57	12/20/2022	N
Lucas Satter - BMP	Agricultural Practices	Other Funds	2023 - Conservation Delivery (Lyon SWCD)	\$4,987.73	\$4,987.73	12/20/2022	N
Lucas Satter - BMP	Agricultural Practices	Other Funds	Landowner Contribution	\$7,555.50	\$7,555.50	12/20/2022	N
M&B Farms -BMP	Agricultural Practices	Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$2,728.15	\$2,728.15	10/20/2021	N
M&B Farms -BMP	Agricultural Practices	Federal Funds	EQIP Payment	\$13,094.00	\$13,094.00	10/19/2021	N
M&B Farms -BMP	Agricultural Practices	Landowner Fund	Landowner Contribution	\$5,274.06	\$5,274.06	10/19/2021	Y
Paul Claeys -BMP	Agricultural Practices	Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$16,476.61	\$16,476.61	9/27/2021	N
Paul Claeys -BMP	Agricultural Practices	Other Funds	2020 - State Cost-Share Fund (Lyon SWCD)	\$352.19	\$352.19	9/30/2021	N
Paul Claeys -BMP	Agricultural Practices	Other Funds	2021 - State Cost-Share Fund (Lyon SWCD)	\$3,210.38	\$3,210.38	9/27/2021	N
Paul Claeys -BMP	Agricultural Practices	Other Funds	Landowner Contribution	\$6,679.72	\$6,679.72	9/30/2021	Y
Soil Erosion - Equipment	Supplies/Equipment	Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$7,722.70	\$7,722.70	10/12/2021	N
Soil Erosion - Technician	Technical/Engineering Assistance	Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$90,452.16	\$28,434.13	12/31/2022	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
638 - Water and Sediment Control Basin	2	2	915 LINEAR FEET	915 LINEAR FEET
362 - Diversion	1	1	629 LINEAR FEET	629 LINEAR FEET
412 - Grassed Waterway and Swales	3	3	2303 LINEAR FEET	2303 LINEAR FEET
412 - Grassed Waterway and Swales	2,022	1	1075 LINEAR FEET	1075 LINEAR FEET
412 - Grassed Waterway and Swales	1	1	259.6 AC	259.6 AC

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
---------------	----------------	---------------	-----------	------------------	----------

Final Indicators Summary

Indicator Name	Total Value	Unit
SEDIMENT (TSS)	48.15	TONS/YR
PHOSPHORUS (EST. REDUCTION)	48.15	LBS/YR
SOIL (EST. SAVINGS)	133.35	TONS/YR

Grant Activity

Grant Activity - James Rokeh - BMP	
Description	One grassed waterway reconstruction to control gully erosion. Existing waterway has exceeded 10-year lifespan.
Category	AGRICULTURAL PRACTICES
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Activity Action - James Rokeh - BMP			
Practice	412 - Grassed Waterway and Swales	Count of Activities	2,022
Description	One grassed waterway reconstruction to combat gully erosion. Existing waterway has reached 10-year lifespan.		
Proposed Size / Units	1,075.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	1,075.00 LINEAR FEET	Installed Date	1-Jan-23
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	TSA

Final Indicator for James Rokeh - BMP			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	6.43
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200040601		
Final Indicator for James Rokeh - BMP			
Indicator Name	SEDIMENT (TSS)	Value	6.43
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200040601		
Final Indicator for James Rokeh - BMP			
Indicator Name	SOIL (EST. SAVINGS)	Value	18.36
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200040601		

Grant Activity - Local Match - 2021 Technician			
Description	2021 SWCD Local Capacity Services Technician Hours. Funds used 100% of 1.0 FTE will be funded under this activity. Staff time will include: Soil Erosion, Excess Nutrients and Water Storage & Treatment. Lyon County Local Comprehensive Water Plan will guide staff workload.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Jan-22	End Date	31-Dec-22
Has Rates and Hours?	Yes		
Actual Results	2022 SWCD staff time to implement local capacity services grant in FY2021: Staff time includes: Technician (Snyder): \$14,400.00 for Soil Erosion.		

Grant Activity - Lucas Satter - BMP			
Description	2 water and sediment control basins and underground outlets to control gully erosion in Sodus 23		
Category	AGRICULTURAL PRACTICES		
Start Date	20-Sep-22	End Date	28-Nov-22
Has Rates and Hours?	No		
Actual Results	2 water and sediment control basins and underground outlet to control gully erosion.		

Activity Action - Lucas Satter - BMP			
Practice	638 - Water and Sediment Control Basin	Count of Activities	2
Description	2 water and sediment control basins and an underground outlet to combat gully erosion.		
Proposed Size / Units	915.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	915.00 LINEAR FEET	Installed Date	28-Nov-22
Mapped Activities	2 Point(s)	Technical Assistance Provider	TSA

Final Indicator for Lucas Satter - BMP			
Indicator Name	SEDIMENT (TSS)	Value	8.93
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200080203		

Final Indicator for Lucas Satter - BMP			
Indicator Name	SOIL (EST. SAVINGS)	Value	25.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200080203		

Final Indicator for Lucas Satter - BMP			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	8.93
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200080203		

Grant Activity - M&B Farms -BMP			
Description	Grassed waterway and subsurface drain to control gully erosion.		
Category	AGRICULTURAL PRACTICES		
Start Date	20-Apr-21	End Date	19-Oct-21
Has Rates and Hours?	No		
Actual Results	Grassed waterway with subsurface drain to combat gully erosion. Existing waterway did not have capacity.		

Activity Action - M&B Farms - BMP			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	1 grassed waterway with subsurface drain to combat gully erosion.		
Proposed Size / Units	259.60 AC	Lifespan	10 Years
Actual Size/Units	259.60 AC	Installed Date	9-Sep-21
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	TSA

Final Indicator for M&B Farms - BMP			
Indicator Name	SOIL (EST. SAVINGS)	Value	79.69
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200060404		

Final Indicator for M&B Farms - BMP			
Indicator Name	SEDIMENT (TSS)	Value	27.89
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200060404		

Final Indicator for M&B Farms - BMP			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	27.89
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200060404		

Grant Activity - Paul Claeys -BMP			
Description	#05/21 - Paul Claeys - Construction of 3 Grassed Waterways, a diversion and subsurface drainage.		
Category	AGRICULTURAL PRACTICES		
Start Date	13-Aug-21	End Date	27-Aug-21
Has Rates and Hours?	No		
Actual Results	3 grassed waterways, 1 diversion and subsurface drain to combat gully erosion. Practice meets NRCS Field Office Technical Guide standards and specifications for 412, 362, and 606.		

Activity Action - Paul Claeys - BMP			
Practice	412 - Grassed Waterway and Swales	Count of Activities	3
Description	3 grassed waterways with subsurface drains to control gully erosion		
Proposed Size / Units	2,303.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	2,303.00 LINEAR FEET	Installed Date	13-Aug-21
Mapped Activities	3 Polygon(s)	Technical Assistance Provider	TSA

Final Indicator for Paul Claeys - BMP			
Indicator Name	SEDIMENT (TSS)	Value	3.98
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200040601		

Final Indicator for Paul Claeys - BMP			
Indicator Name	SOIL (EST. SAVINGS)	Value	7.97
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200040601		

Final Indicator for Paul Claeys - BMP			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	3.98
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200040601		

Activity Action - Paul Claeyes - Diversion			
Practice	362 - Diversion	Count of Activities	1
Description	Diversion with subsurface drain to control gully erosion.		
Proposed Size / Units	629.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	629.00 LINEAR FEET	Installed Date	13-Aug-21
Mapped Activities	1 Line(s)	Technical Assistance Provider	TSA

Final Indicator for Paul Claeyes - Diversion			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	0.92
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200040601		
Final Indicator for Paul Claeyes - Diversion			
Indicator Name	SEDIMENT (TSS)	Value	0.92
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200040601		
Final Indicator for Paul Claeyes - Diversion			
Indicator Name	SOIL (EST. SAVINGS)	Value	1.83
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200040601		

Grant Activity - Soil Erosion - Equipment			
Description	2021 SWCD Local Capacity Services: Soil Erosion - Equipment. These funds will be used to purchase a new copy machine for the Lyon SWCD. Equipment will be utilized to implement timely and effective delivery of conservation practices.		
Category	SUPPLIES/EQUIPMENT		
Start Date	12-Oct-21	End Date	12-Oct-21
Has Rates and Hours?	No		
Actual Results	Trimble TSC7 controller and accessories for field survey work.		

Grant Activity - Soil Erosion - Technician

Description	2021 SWCD Local Capacity Services: Soil Erosion -Technician Hours. 100% of 1.0 FTE will be funded under this activity. Staff time will include: Soil Erosion, Excess Nutrients, Water Storage and Treatment, and Riparian Zone Management. Lyon County Local Comprehensive Water Plan will guide staff workload.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Jan-22	End Date	
Has Rates and Hours?	Yes		
Actual Results	2022 Technician (Ryan) hours applied to 2021 Local Capacity: Excess Nutrients: \$14,298.40, Water Storage & Treatment: \$468.80, Soil Erosion: \$3,691.80, Riparian Zone Management: 1,582.20. 2022 Technician (Synder) hours applied to 2021 Local Capacity: Soil Erosion: \$3,986.65, Riparian Zone Management: \$4,406.28.		

Grant Attachments

Document Name	Document Type	Description
2021 SWCD Local Capacity and Buffer Law Implementation	Grant Agreement	2021 SWCD Local Capacity and Buffer Law Implementation - Lyon SWCD
2021 SWCD Local Capacity and Buffer Law Implementation EXECUTED	Grant Agreement	2021 SWCD Local Capacity and Buffer Law Implementation - Lyon SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/11/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/01/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/06/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/31/2023
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/21/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/28/2022
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 10/20/2021
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 09/21/2020