



## 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

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

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$128,184.00	\$26,927.46	\$101,256.54
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$10,242.29	\$10,242.29	\$0.00
<b>Total</b>	<b>\$138,426.29</b>	<b>\$37,169.75</b>	<b>\$101,256.54</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
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
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

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
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 - BMP's	Agricultural Practices	Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$10,804.38			N
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			N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
362 - Diversion	1	1	629 LINEAR FEET	629 LINEAR FEET
412 - Grassed Waterway and Swales	3	3	2303 LINEAR FEET	2303 LINEAR FEET

### 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
SEDIMENT (TSS)	4.90	TONS/YR
PHOSPHORUS (EST. REDUCTION)	4.90	LBS/YR
SOIL (EST. SAVINGS)	9.80	TONS/YR

## Grant Activity

Grant Activity - M&B Farms -BMP			
Description	Grassed waterway and subsurface drain to control gully erosion.		
Category	AGRICULTURAL PRACTICES		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

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

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

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

<b>Final Indicator for Paul Claeyes - Diversion</b>			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	0.92
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	070200040601		

<b>Final Indicator for Paul Claeyes - Diversion</b>			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	0.92
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	070200040601		

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

### Grant Activity - Soil Erosion - BMP's

Description	Conservation Practices as defined by the Lyon County Comprehensive Local Water Management Plan and the 2021 Lyon SWCD Annual Plan. Practices include, but not limited to: grassed waterway (412), water and sediment control basins (638), diversion (362), filter strips (393), nutrient management (590), streambank/shoreland protection (580), terraces (600), critical area planting (342), and well decommissioning (351). Practices to be consistent with the BWSR FY2021 State Cost-Share Policy and NRCS design specifications.		
Category	AGRICULTURAL PRACTICES		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

### 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		End Date	
Has Rates and Hours?	Yes		
Actual Results			

## Grant Attachments

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