



Grant Progress Report

SWCD Local Capacity Services 2021

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

Grant ID: P21-2720

Grantee: Lyon SWCD

Fiscal Agent:

Grant Day-to-Day Contact: Anita Cauwels

Grant Award (\$): \$128,184.00

Required Match (%): 0

Required Match (\$): \$0.00

Grant Execution Date: 10/22/2020

Grant End Date: 12/31/2023

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$128,184.00	\$128,184.00	\$0.00
Match Funds	\$19,674.06	\$19,674.06	\$0.00
Other Funds	\$202,316.38	\$202,316.38	\$0.00
Total	\$350,174.44	\$350,174.44	\$0.00

*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	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
M&B Farms -BMP	Agricultural Practices	Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$2,728.15	\$2,728.15	\$0.00	N
Paul Claeys -BMP	Agricultural Practices	Other Funds	2020 - State Cost-Share Fund (Lyon SWCD)	\$352.19	\$352.19	\$0.00	N
Paul Claeys -BMP	Agricultural Practices	Current State Grant	2021 - SWCD Local Capacity Services	\$16,476.61	\$16,476.61	\$0.00	N

<i>Activity Name</i>	<i>Category</i>	<i>Source Type</i>	<i>Source Description</i>	<i>Budgeted</i>	<i>Spent</i>	<i>Balance Remaining</i>	<i>Match Fund?</i>
			(Lyon SWCD)				
Paul Claeys -BMP	Agricultural Practices	Other Funds	2021 - State Cost-Share Fund (Lyon SWCD)	\$3,210.38	\$3,210.38	\$0.00	N
Lucas Satter - BMP	Agricultural Practices	Other Funds	2020 - SWCD Local Capacity Services (Lyon SWCD)	\$183.09	\$183.09	\$0.00	N
Lucas Satter - BMP	Agricultural Practices	Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$5,513.13	\$5,513.13	\$0.00	N
Lucas Satter - BMP	Agricultural Practices	Other Funds	2022 - SWCD Local Capacity Services (Lyon SWCD)	\$7,952.57	\$7,952.57	\$0.00	N
Lucas Satter - BMP	Agricultural Practices	Other Funds	2021 - Conservation Delivery (Lyon SWCD)	\$4,029.98	\$4,029.98	\$0.00	N
Lucas Satter - BMP	Agricultural Practices	Other Funds	2023 - Conservation Delivery (Lyon SWCD)	\$4,987.73	\$4,987.73	\$0.00	N
James Rokeh - BMP	Agricultural Practices	Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$5,291.25	\$5,291.25	\$0.00	N
M&B Farms -BMP	Agricultural Practices	Federal Funds	EQIP Payment	\$13,094.00	\$13,094.00	\$0.00	N
M&B Farms -BMP	Agricultural Practices	Landowner Fund	Landowner Contribution	\$5,274.06	\$5,274.06	\$0.00	Y
Paul Claeys -BMP	Agricultural Practices	Landowner Fund	Landowner Contribution	\$6,679.72	\$6,679.72	\$0.00	Y
Lucas Satter - BMP	Agricultural Practices	Landowner Fund	Landowner Contribution	\$7,555.50	\$7,555.50	\$0.00	N
Soil Erosion - Equipment	Supplies/Equipment	Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$69,740.73	\$69,740.73	\$0.00	N
Local Match - 2021 Technician	Technical/Engineering Assistance	Local Fund	Local Contribution	\$14,400.00	\$14,400.00	\$0.00	Y

Indicator Summary

Indicator Category	Final Indicator	Total Value	Unit
Estimates)			
Water Pollution (Reduction Estimates)	Sediment (Tss)	8.93	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	25.5	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	6.43	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	6.43	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	18.36	Tons/Yr

Grant Activities

Activity Name: James Rokeh - BMP						
Activity Category: Agricultural Practices					Staff time?: No	
Description: One grassed waterway reconstruction to control gully erosion. Existing waterway has exceeded 10-year lifespan.						
Budget Details						
Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$5,291.25	\$5,291.25	\$0.00	05/05/2023	N

Actual Results

Clean, shape and seeded waterway by Towne & Country Excavating, LLC. Invoice #782, dated 5-4-2023

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	6.43	Tons/Yr
Soil (Est. Savings)	18.36	Tons/Yr
Phosphorus (Est. Reduction)	6.43	Lbs/Yr

Activity Action Name: James Rokeh - BMP				Activity Count: 2022
Practice Type: 412 - Grassed Waterway and Swales				Size/Units: 1075 - Cfu
TA Provider/JAA: TSA				Lifespan: 10 Years
Practice Description: One grassed waterway reconstruction to combat gully erosion. Existing waterway has reached 10-year lifespan.				Install Date: 01/01/2023
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	6.43	Bwsr Calc (Gully Stabilization)	070200040601
Sediment (Tss)	Tons/Yr	6.43	Bwsr Calc (Gully Stabilization)	070200040601
Soil (Est. Savings)	Tons/Yr	18.36	Bwsr Calc (Gully Stabilization)	070200040601

Activity Name: Local Match - 2021 Technician

Activity Category: Technical/Engineering Assistance

Staff time?: Yes

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.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Local Fund	Local Contribution	\$14,400.00	\$14,400.00	\$0.00	12/31/2022	Y

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.

Activity Name: Lucas Satter - BMP

Activity Category: Agricultural Practices

Staff time?: No

Description: 2 water and sediment control basins and underground outlets to control gully erosion in Sodus 23

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2020 - SWCD Local Capacity Services (Lyon SWCD)	\$183.09	\$183.09	\$0.00	12/20/2022	N
Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$5,513.13	\$5,513.13	\$0.00	12/20/2022	N
Current State Grant	2022 - SWCD Local Capacity Services (Lyon SWCD)	\$7,952.57	\$7,952.57	\$0.00	12/20/2022	N
Current State Grant	2021 - Conservation Delivery (Lyon SWCD)	\$4,029.98	\$4,029.98	\$0.00	12/20/2022	N
Current State Grant	2023 - Conservation Delivery (Lyon SWCD)	\$4,987.73	\$4,987.73	\$0.00	12/20/2022	N
Landowner Fund	Landowner Contribution	\$7,555.50	\$7,555.50	\$0.00	12/20/2022	N
Actual Results						
2 water and sediment control basins and underground outlet to control gully erosion.						
Final Indicators						
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>				
Phosphorus (Est. Reduction)	8.93	Lbs/Yr				
Sediment (Tss)	8.93	Tons/Yr				
Soil (Est. Savings)	25.5	Tons/Yr				

Activity Action Name:	Lucas Satter - BMP	Activity Count: 2
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 915 - Cfu
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	2 water and sediment control basins and an underground outlet to combat gully erosion.	Install Date: 11/28/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	25.5	Bwsr Calc (Gully Stabilization)	070200080203
Phosphorus (Est. Reduction)	Lbs/Yr	8.93	Bwsr Calc (Gully Stabilization)	070200080203
Sediment (Tss)	Tons/Yr	8.93	Bwsr Calc (Gully Stabilization)	070200080203

Activity Name: M&B Farms -BMP

Activity Category: Agricultural Practices

Staff time?: No

Description: Grassed waterway and subsurface drain to control gully erosion.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Landowner Fund	Landowner Contribution	\$5,274.06	\$5,274.06	\$0.00	10/19/2021	Y
Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$2,728.15	\$2,728.15	\$0.00	10/20/2021	N
Federal Funds	EQIP Payment	\$13,094.00	\$13,094.00	\$0.00	10/19/2021	N

Actual Results

Grassed waterway with subsurface drain to combat gully erosion. Existing waterway did not have capacity.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	27.89	Tons/Yr
Soil (Est. Savings)	79.69	Tons/Yr
Phosphorus (Est. Reduction)	27.89	Lbs/Yr

Activity Action Name: M&B Farms - BMP				Activity Count: 1
Practice Type: 412 - Grassed Waterway and Swales				Size/Units: 259.6 - Acres
TA Provider/JAA: TSA				Lifespan: 10 Years
Practice Description: 1 grassed waterway with subsurface drain to combat gully erosion.				Install Date: 09/09/2021
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	27.89	Bwsr Calc (Gully Stabilization)	070200060404
Phosphorus (Est. Reduction)	Lbs/Yr	27.89	Bwsr Calc (Gully Stabilization)	070200060404
Soil (Est. Savings)	Tons/Yr	79.69	Bwsr Calc (Gully Stabilization)	070200060404

Activity Name: Paul Claeys -BMP

Activity Category: Agricultural Practices

Staff time?: No

Description: #05/21 - Paul Claeys - Construction of 3 Grassed Waterways, a diversion and subsurface drainage.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2020 - State Cost-Share Fund (Lyon SWCD)	\$352.19	\$352.19	\$0.00	09/30/2021	N
Landowner Fund	Landowner Contribution	\$6,679.72	\$6,679.72	\$0.00	09/30/2021	Y
Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$16,476.61	\$16,476.61	\$0.00	09/27/2021	N
Current State Grant	2021 - State Cost-Share Fund (Lyon SWCD)	\$3,210.38	\$3,210.38	\$0.00	09/27/2021	N

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.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	4.9	Lbs/Yr
Soil (Est. Savings)	9.8	Tons/Yr
Sediment (Tss)	4.9	Tons/Yr

Activity Action Name:	Paul Claeys - BMP	Activity Count: 3
Practice Type:	412 - Grassed Waterway and Swales	Size/Units: 2303 - Cfu
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	3 grassed waterways with subsurface drains to control gully erosion	Install Date: 08/13/2021
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	3.98	Bwsr Calc (Gully Stabilization)	070200040601
Phosphorus (Est. Reduction)	Lbs/Yr	3.98	Bwsr Calc (Gully Stabilization)	070200040601
Soil (Est. Savings)	Tons/Yr	7.97	Bwsr Calc (Gully Stabilization)	070200040601

Activity Action Name:	Paul Claeys - Diversion	Activity Count: 1
Practice Type:	362 - Diversion	Size/Units: 629 - Cfu
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	Diversion with subsurface drain to control gully erosion.	Install Date: 08/13/2021
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.92	Bwsr Calc (Gully Stabilization)	070200040601
Phosphorus (Est. Reduction)	Lbs/Yr	0.92	Bwsr Calc (Gully Stabilization)	070200040601
Soil (Est. Savings)	Tons/Yr	1.83	Bwsr Calc (Gully Stabilization)	070200040601

Activity Name: Soil Erosion - BMP's

Activity Category: Agricultural Practices

Staff time?: No

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.

Actual Results

Activity Name: Soil Erosion - Equipment

Activity Category: Supplies/Equipment

Staff time?: No

Description: 2021 SWCD Local Capacity Services: Soil Erosion - Equipment. These funds will be used to purchase a Trimble Tablet data collector, a Truax "on the go" OTG 7512 , 12 Row No-Till Grass Drill, and a 2023 Polaris Ranger XP 1000 UTV for the Lyon SWCD. Equipment will be utilized to implement timely and effective delivery of conservation practices.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$69,740.73	\$69,740.73	\$0.00	10/18/2023	N

Actual Results

Trimble TSC7 controller and accessories for field survey work.

2023 Polaris Ranger and Beartrack Trailer for field survey work

Activity Name: Soil Erosion - Technician**Activity Category:** Technical/Engineering Assistance**Staff time?:** Yes

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.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 - SWCD Local Capacity Services (Lyon SWCD)	\$28,434.13	\$28,434.13	\$0.00	12/31/2022	N

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.