



Grant Progress Report

SWCD Local Capacity Services 2023

Grant Title: 2023 - SWCD Local Capacity Services (Lyon SWCD)

Grant ID: P23-2481

Grantee: Lyon SWCD

Fiscal Agent:

Grant Day-to-Day Contact: Anita Cauwels

Grant Award (\$): \$128,679.00

Required Match (%): 0

Required Match (\$): \$0.00

Grant Execution Date: 12/20/2022

Grant End Date: 12/31/2025

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$128,679.00	\$114,683.86	\$13,995.14
Match Funds	\$0.00	\$0.00	\$0.00
Other Funds	\$8,556.83	\$8,556.83	\$0.00
Total	\$137,235.83	\$123,240.69	\$13,995.14

*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?
WCA flex funds used for Lynda Meulebroeck - BMP's	Agricultural Practices	Current State Grant	2023 - SWCD Local Capacity Services (Lyon SWCD)	\$18,170.14	\$18,170.14	\$0.00	N
WCA flex funds used for Lynda Meulebroeck	Agricultural Practices	Other Funds	2023 - Conservation Delivery (Lyon SWCD)	\$2,513.94	\$2,513.94	\$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>
- BMP's							
WCA flex funds used for Lynda Meulebroeck - BMP's	Agricultural Practices	Other Funds	2022 - Wetland Conservation Act - NRBG (Lyon County)	\$2,028.86	\$2,028.86	\$0.00	N
WCA flex funds used for Lynda Meulebroeck - BMP's	Agricultural Practices	Other Funds	2022 - SWCD Local Capacity Services (Lyon SWCD)	\$4,014.03	\$4,014.03	\$0.00	N
Soil Erosion - BMP's	Agricultural Practices	Current State Grant	2023 - SWCD Local Capacity Services (Lyon SWCD)	\$44,617.64	\$30,622.50	\$13,995.14	N
Soil Erosion - Equipment	Supplies/Equipment	Current State Grant	2023 - SWCD Local Capacity Services (Lyon SWCD)	\$10,651.22	\$10,651.22	\$0.00	N
Soil Erosion - Technician	Technical/Engineering Assistance	Current State Grant	2023 - SWCD Local Capacity Services (Lyon SWCD)	\$55,240.00	\$55,240.00	\$0.00	N

Indicator Summary

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
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<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Nitrogen	91.91	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	206.877	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	193.14	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	37.54	Tons/Yr
Water Pollution (Reduction Estimates)	Total Suspended Solids (TSS)	1.82939	Mg/L
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	11.95	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	11.95	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	34.16	Tons/Yr

Grant Activities

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 2023 Lyon SWCD Annual Plan. Practices include, but not limited to: grassed waterways (412), water and sediment control basins (638), diversion (362), filter strips (393), nutrient management (590), streambank/shoreland protection (580), terraces (600), critical area plantings (342), and well decommissions (351), subsurface drain (606), underground outlet (620). Practices to be consistent with the BWSR FY23 State Cost-Share Policy and NRCS Field Office Technical Guide standards and specifications.

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	2023 - SWCD Local Capacity Services (Lyon SWCD)	\$44,617.64	\$30,622.50	\$13,995.14	07/18/2024	N

Actual Results

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	193.14	Tons/Yr
Total Suspended Solids (TSS)	1.82939	Mg/L
Soil (Est. Savings)	37.54	Tons/Yr
Phosphorus (Est. Reduction)	206.877	Lbs/Yr
Nitrogen	91.91	Lbs/Yr

Activity Action Name:	02/23-Vincient Thooft	Activity Count: 1
Practice Type:	350 - Sediment Basin	Size/Units: 8 - Count
TA Provider/JAA:	NRCS	Lifespan: 10 Years
Practice Description:	8 Water and Sediment Control Basins and underground outlets to combat gully erosion	Install Date: 12/08/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	13.14	Bwsr Calc (Gully Stabilization)	070200060401
Soil (Est. Savings)	Tons/Yr	37.54	Bwsr Calc (Gully Stabilization)	070200060401
Sediment (Tss)	Tons/Yr	13.14	Bwsr Calc (Gully Stabilization)	070200060401

Activity Action Name:	15/23 - Janet Baron	Activity Count: 1
Practice Type:	410 - Grade Stabilization Structure	Size/Units: 1 - Count
TA Provider/JAA:	Other	Lifespan: 10 Years
Practice Description:	1 Grade Stabilization Repair	Install Date: 07/28/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	180	Other	HUC 12 - 070200080201
Phosphorus (Est. Reduction)	Lbs/Yr	180	Other	HUC 12 - 070200080201

Activity Action Name: 17/23 - Gary & Carol Mitzner				Activity Count: 1
Practice Type: 412 - Grassed Waterway and Swales				Size/Units: 82 - Acres
TA Provider/JAA: TSA				Lifespan: 10 Years
Practice Description: 550 Linear Feet of Grassed Waterway				Install Date: 05/30/2024
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	8.104	Other	Headwaters - Cottonwood River (072000080101)
Total Suspended Solids (TSS)	Mg/L	1.056	Other	Headwaters - Cottonwood River (072000080101)
Nitrogen	Lbs/Yr	54.22	Other	Headwaters - Cottonwood River (072000080101)

Activity Action Name: 18/23 - Gary & Carol Mitzner				Activity Count: 1
Practice Type: 412 - Grassed Waterway and Swales				Size/Units: 57 - Acres
TA Provider/JAA: TSA				Lifespan: 10 Years
Practice Description: Grassed Waterway and Subsurface Drain to combat gully erosion				Install Date: 05/30/2024
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	5.633	Other	Headwaters - Cottonwood River (072000080101)
Total Suspended Solids (TSS)	Mg/L	0.77339	Other	Headwaters - Cottonwood River (072000080101)
Nitrogen	Lbs/Yr	37.69	Other	Headwaters - Cottonwood River (072000080101)

Activity Name: Soil Erosion - Equipment

Activity Category: Supplies/Equipment

Staff time?: No

Description: 2023 SWCD Local Capacity Services: Soil Erosion - Equipment. These funds will be used to purchase a Truax "on the go" OTG 7512 , 12 Row No-Till Grass Drill,

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	2023 - SWCD Local Capacity Services (Lyon SWCD)	\$10,651.22	\$10,651.22	\$0.00	10/18/2023	N

Activity Name: Soil Erosion - Technician

Activity Category: Technical/Engineering Assistance

Staff time?: No

Description: 2023 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 Management 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	2023 - SWCD Local Capacity Services (Lyon SWCD)	\$55,240.00	\$55,240.00	\$0.00	12/31/2025	N

Activity Name: WCA flex funds used for Lynda Meulebroeck - BMP's

Activity Category: Agricultural Practices

Staff time?: No

Description: Three water and sediment control basins, underground outlet, grassed waterways and a diversion channel 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>
Current State Grant	2023 - SWCD Local Capacity Services (Lyon SWCD)	\$18,170.14	\$18,170.14	\$0.00	01/18/2024	N
Current State Grant	2023 - Conservation Delivery (Lyon SWCD)	\$2,513.94	\$2,513.94	\$0.00	01/18/2024	N
Current State Grant	2022 - Wetland Conservation Act - NRBG (Lyon County)	\$2,028.86	\$2,028.86	\$0.00	01/18/2024	N
Current State Grant	2022 - SWCD Local Capacity Services (Lyon SWCD)	\$4,014.03	\$4,014.03	\$0.00	01/18/2024	N

Actual Results

Three water and sediment control basins, underground outlet, grassed waterways and a diversion channel to control gully erosion.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Soil (Est. Savings)	34.16	Tons/Yr
Phosphorus (Est. Reduction)	11.95	Lbs/Yr
Sediment (Tss)	11.95	Tons/Yr

Activity Action Name:	25/23 Lynda Meulebroeck	Activity Count: 5
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 5 - Count
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	3 Water & Sediment Control Basin's, 1 Grassed Waterway, and 1 Diversion	Install Date: 12/18/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	11.95	Bwsr Calc (Gully Stabilization)	HUC 12 - 070200080202
Soil (Est. Savings)	Tons/Yr	34.16	Bwsr Calc (Gully Stabilization)	HUC 12 - 070200080202
Phosphorus (Est. Reduction)	Lbs/Yr	11.95	Bwsr Calc (Gully Stabilization)	HUC 12 - 070200080202