



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	\$128,679.00	\$0.00
Match Funds	\$0.00	\$0.00	\$0.00
Other Funds	\$20,408.31	\$20,408.31	\$0.00
Total	\$149,087.31	\$149,087.31	\$0.00

*Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

Proposed Measurable Outcomes	The grant targets four resource concern areas - Soil Erosion, Riparian Zone Management, Water Storage and Treatment, and Excess Nutrients - and supports increased capacity by funding expenses in the following categories: Staffing, Cost Share/Incentives, Technology/Capital Equipment, and Operations.
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Budget Details

Activity Name	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
WCA flex funds used for Lilianna St. Aubin	Agricultural Practices	Current State Grant	2023 - SWCD Local Capacity Services (Lyon SWCD)	\$8,408.56	\$8,408.56	\$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							
WCA flex funds used for Lilianna St. Aubin BMP	Agricultural Practices	Other Funds	2023 - Wetland Conservation Act - NRBG (Lyon County)	\$6,688.71	\$6,688.71	\$0.00	N
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 - BMP's	Agricultural Practices	Other Funds	2023 - Conservation Delivery (Lyon SWCD)	\$2,513.94	\$2,513.94	\$0.00	N
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)	\$36,209.08	\$36,209.08	\$0.00	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
WCA flex funds used for Lilianna St. Aubin BMP	Agricultural Practices	Other State funds not in eLINK	2023 SWCD Aid	\$97.76	\$97.76	\$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>
WCA flex funds used for Lilianna St. Aubin BMP	Agricultural Practices	Landowner Fund	Landowner Contribution	\$5,065.01	\$5,065.01	\$0.00	N

<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	280.41	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	235.907	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	195.851	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	Sediment (Tss)	11.95	Tons/Yr

Indicator Summary

Indicator Category	Final Indicator	Total Value	Unit
(Reduction Estimates)			
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	34.16	Tons/Yr
Water Pollution (Reduction Estimates)	Nitrogen	250.5	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	37.05	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	5.085	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)	\$36,209.08	\$36,209.08	\$0.00	05/22/2025	N
Actual Results						
<u>Results</u>					<u>Date Added</u>	
					11/16/2022 8:44:01 AM	
Final Indicators						
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>				
Sediment (Tss)	195.851	Tons/Yr				
Total Suspended Solids (TSS)	1.82939	Mg/L				
Soil (Est. Savings)	37.54	Tons/Yr				
Phosphorus (Est. Reduction)	235.907	Lbs/Yr				
Nitrogen	280.41	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 Action Name:	#03/24 - Joyce Greeley	Activity Count: 1
Practice Type:	412 - Grassed Waterway and Swales	Size/Units: 144.1 - Acres
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	1 - Grassed Waterway w/ subsurface drainage as a supporting practice.	Install Date: 05/05/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	2.711	Other	Cottonwood River - Huc12: 07200080102
Phosphorus (Est. Reduction)	Lbs/Yr	29.03	Other	Cottonwood River - Huc12: 07200080102
Nitrogen	Lbs/Yr	188.5	Other	Cottonwood River - Huc12: 07200080102

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 Lilianna St. Aubin BMP

Activity Category: Agricultural Practices

Staff time?: No

Description: WCA flex funds used for Lilianna St. Aubin BMP for 5 Grassed Waterways and Subsurface Drains

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>
Other State funds not in eLINK	2023 SWCD Aid	\$97.76	\$97.76	\$0.00	05/22/2025	N
Current State Grant	2023 - SWCD Local Capacity Services (Lyon SWCD)	\$8,408.56	\$8,408.56	\$0.00	05/22/2025	N
Landowner Fund	Landowner Contribution	\$5,065.01	\$5,065.01	\$0.00	05/22/2025	N
Current State Grant	2023 - Wetland Conservation Act - NRBG (Lyon County)	\$6,688.71	\$6,688.71	\$0.00	05/22/2025	N

Actual Results

<u>Results</u>	<u>Date Added</u>
WCA flex funds used for Lilianna St. Aubin BMP for 5 Grassed Waterways and Subsurface Drains	5/29/2025 10:13:20 AM

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Nitrogen	250.5	Lbs/Yr
Sediment (Tss)	5.085	Tons/Yr
Phosphorus (Est. Reduction)	37.05	Lbs/Yr

Activity Action Name:	#21/24 - Lillianna St. Aubin	Activity Count: 5
Practice Type:	412 - Grassed Waterway and Swales	Size/Units: 181.2 - Acres
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	WCA flex funds used for Lilianna St. Aubin BMP for 5 Grassed Waterways and Subsurface Drains	Install Date: 04/28/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	250.5	Other	Cottonwood River - Huc12: 07200080203
Sediment (Tss)	Tons/Yr	5.085	Other	Cottonwood River - Huc12: 07200080203
Phosphorus (Est. Reduction)	Lbs/Yr	37.05	Other	Cottonwood River - Huc12: 07200080203

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

<u>Results</u>	<u>Date Added</u>
Three water and sediment control basins, underground outlet, grassed waterways and a diversion channel to control gully erosion.	1/19/2024 1:50:01 PM

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