



Grant Progress Report

Soil Health Delivery 2025

Grant Title: 2025 - Soil Health Delivery (Lyon SWCD)

Grant ID: P25-0520

Grantee: Lyon SWCD

Fiscal Agent:

Grant Day-to-Day Contact: Anita Cauwels

Grant Award (\$): \$100,000.00

Required Match (%): 0

Required Match (\$): \$0.00

Grant Execution Date: 12/05/2024

Grant End Date: 12/31/2027

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$100,000.00	\$78,436.58	\$21,563.42
Match Funds	\$0.00	\$0.00	\$0.00
Other Funds	\$0.00	\$0.00	\$0.00
Total	\$100,000.00	\$78,436.58	\$21,563.42

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

Proposed Measurable Outcomes	Grantee has submitted a detailed work plan. Measurable outcomes will be provided at grant closeout.
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Budget Details

Activity Name	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
Soil Health Delivery BMP's	Agricultural Practices	Current State Grant	2025 - Soil Health Delivery (Lyon SWCD)	\$100,000.00	\$78,436.58	\$21,563.42	N

Indicator Summary

Indicator Category	Proposed Indicator	Total Value	Unit
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Indicator Category	Final Indicator	Total Value	Unit
Water Pollution (Reduction Estimates)	Nitrogen	14905.8	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	381.072	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	38.2461	Tons/Yr
Water Pollution (Reduction Estimates)	Total Suspended Solids (TSS)	5.95557	Mg/L

Grant Activities

Activity Name: Soil Health Delivery BMP's

Activity Category: Agricultural Practices

Staff time?: No

Description: Soil Heath Practices defined by the Lyon County SWCD Non-structural policy. Practices include, but not limited to: Conservation Cover (327), Cover Crop (340), Critical Area Planting (342), Filter Strip (373), Residue and Tillage Management (No Till) (329), Residue and Tillage Management (Reduced Tillage) (345) Prescribed Grazing (528), Pasture and Hay Planting (512)

Budget Details

Source Type	Source Description	Budgeted	Spent	Balance Remaining	Last Transaction Date	Match Fund?
Current State Grant	2025 - Soil Health Delivery (Lyon SWCD)	\$100,000.00	\$78,436.58	\$21,563.42	12/18/2025	N

Final Indicators		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	38.2461	Tons/Yr
Nitrogen	14905.8	Lbs/Yr
Phosphorus (Est. Reduction)	381.072	Lbs/Yr
Total Suspended Solids (TSS)	5.95557	Mg/L

Activity Action Name:	#25/25 - Bobbi Vandendriessche	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 165 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Field A 148: year 1 Field B 17: year 1	Install Date: 09/18/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	546.7	Other	70200080204
Total Suspended Solids (TSS)	Mg/L	1.65	Other	70200080204
Phosphorus (Est. Reduction)	Lbs/Yr	4.144	Other	70200060302
Phosphorus (Est. Reduction)	Lbs/Yr	15.52	Other	70200080204
Nitrogen	Lbs/Yr	80.24	Other	70200060302
Total Suspended Solids (TSS)	Mg/L	0.07066	Other	70200060302

Activity Action Name:	#24/25 - Eric Vandendriessche	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 167 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Field A 160: Year 1 Field B 35: Year 1	Install Date: 10/31/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	35.02	Other	70200060404
Total Suspended Solids (TSS)	Mg/L	1.784	Other	70200080204
Nitrogen	Lbs/Yr	610.5	Other	70200080204
Phosphorus (Est. Reduction)	Lbs/Yr	1.856	Other	70200060404
Phosphorus (Est. Reduction)	Lbs/Yr	16.78	Other	70200080204
Total Suspended Solids (TSS)	Mg/L	0.05071	Other	70200060404

Activity Action Name:	#25/25 - Bobbi Vandendriessche	Activity Count: 1
Practice Type:	328 - Conservation Crop Rotation	Size/Units: 165 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Field A Year 1 Field B Year 1	Install Date: 09/18/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Total Suspended Solids (TSS)	Mg/L	1.115	Other	70200080204
Nitrogen	Lbs/Yr	847	Other	70200080204
Phosphorus (Est. Reduction)	Lbs/Yr	4.287	Other	70200060302
Nitrogen	Lbs/Yr	120.4	Other	70200060302
Phosphorus (Est. Reduction)	Lbs/Yr	16.06	Other	70200080204
Total Suspended Solids (TSS)	Mg/L	0.04774	Other	70200060302

Activity Action Name:	#24/25 - Eric Vandendriessche	Activity Count: 1
Practice Type:	328 - Conservation Crop Rotation	Size/Units: 195 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Field A: Year 1 Field B: Year 1	Install Date: 10/31/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	915.7	Other	70200080204
Nitrogen	Lbs/Yr	52.54	Other	70200060404
Total Suspended Solids (TSS)	Mg/L	0.03246	Other	70200060404
Total Suspended Solids (TSS)	Mg/L	1.205	Other	70200080204
Phosphorus (Est. Reduction)	Lbs/Yr	17.36	Other	70200080204
Phosphorus (Est. Reduction)	Lbs/Yr	1.92	Other	70200060404

Activity Action Name: #04/25 - Scott Williams	Activity Count: 1
Practice Type: 328 - Conservation Crop Rotation	Size/Units: 160 - Acres
TA Provider/JAA: SWCD	Lifespan: 1 Year
Practice Description: Year 1 & 3 Field B	Install Date: 09/29/2025
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	17.42	Other	HUC 12- 070200060204
Sediment (Tss)	Tons/Yr	1.609	Other	HUC 12- 070200060204
Nitrogen	Lbs/Yr	636.5	Other	HUC 12- 070200060204

Activity Action Name:	#03/25 Dustin Williams	Activity Count: 1
Practice Type:	328 - Conservation Crop Rotation	Size/Units: 80 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Year 1 & 3 Field A	Install Date: 09/29/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.6	Other	Huc 12 City of Marshall - Redwood River: 070200060301
Phosphorus (Est. Reduction)	Lbs/Yr	13.8	Other	Huc 12 City of Marshall - Redwood River: 070200060301
Nitrogen	Lbs/Yr	377.6	Other	Huc 12 City of Marshall - Redwood River: 070200060301

Activity Action Name:	#03/25 Dustin Williams	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 80 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Year 1 & 3	Install Date: 09/29/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.8	Other	Huc 12 City of Marshall - Redwood River: 070200060301
Phosphorus (Est. Reduction)	Lbs/Yr	13.3	Other	Huc 12 City of Marshall - Redwood River: 070200060301
Nitrogen	Lbs/Yr	386.6	Other	Huc 12 City of Marshall - Redwood River: 070200060301

Activity Action Name: #04/25 - Scott Williams Practice Type: 328 - Conservation Crop Rotation TA Provider/JAA: SWCD Practice Description: Year 2 Field A				Activity Count: 1 Size/Units: 80 - Acres Lifespan: 1 Year Install Date: 09/29/2025 Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	868.5	Other	HUC 12- 070200060301
Sediment (Tss)	Tons/Yr	1.127	Other	HUC 12- 070200060301
Phosphorus (Est. Reduction)	Lbs/Yr	32.9	Other	HUC 12- 070200060301

Activity Action Name: #04/25 - Scott Williams				Activity Count: 1
Practice Type: 340 - Cover Crop				Size/Units: 160 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description: Year 1 & 3 Field B				Install Date: 09/29/2025
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	3.99	Other	HUC 12- 070200060204
Nitrogen	Lbs/Yr	1288	Other	HUC 12- 070200060204
Phosphorus (Est. Reduction)	Lbs/Yr	34.26	Other	HUC 12- 070200060204

Activity Action Name: #04/25 - Scott Williams				Activity Count: 1
Practice Type: 340 - Cover Crop				Size/Units: 80 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description: Year 2 Field A				Install Date: 09/29/2025
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	889.2	Other	HUC 12- 070200060301
Phosphorus (Est. Reduction)	Lbs/Yr	31.8	Other	HUC 12- 070200060301
Sediment (Tss)	Tons/Yr	1.668	Other	HUC 12- 070200060301

Activity Action Name:	#09/25 Mason Johnson	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 198 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	Years 1-3: Fields A & B	Install Date: 09/30/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	617.6	Other	HUC 12 Rock Lake - Cottonwood River: 070200080101
Sediment (Tss)	Tons/Yr	2.7	Other	HUC 12 Rock Lake - Cottonwood River: 070200080101
Phosphorus (Est. Reduction)	Lbs/Yr	11.3	Other	HUC 12 Rock Lake - Cottonwood River: 070200080101

Activity Action Name:	#02/25 - Megan Williams - Years 1 & 3	Activity Count: 1
Practice Type:	328 - Conservation Crop Rotation	Size/Units: 144 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Year 1 and 3 Fields A & C	Install Date: 09/29/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	572.8	Other	HUC 12 7020002060204
Sediment (Tss)	Tons/Yr	1.448	Other	HUC 12 7020002060204
Phosphorus (Est. Reduction)	Lbs/Yr	15.68	Other	HUC 12 702002060204

Activity Action Name:	#09/25 Mason Johnson	Activity Count: 1
Practice Type:	328 - Conservation Crop Rotation	Size/Units: 198 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	Year 1-3 Fields A and B	Install Date: 09/30/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	11.7	Other	HUC 12 Rock Lake - Cottonwood River: 070200080101
Nitrogen	Lbs/Yr	603.2	Other	HUC 12 Rock Lake - Cottonwood River: 070200080101
Sediment (Tss)	Tons/Yr	1.8	Other	HUC 12 Rock Lake - Cottonwood River: 070200080101

Activity Action Name:	#09/25 Mason Johnson	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 35 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Field C	Install Date: 09/30/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	109.2	Other	HUC 12 Rock Lake - Cottonwood River: 070200080101
Phosphorus (Est. Reduction)	Lbs/Yr	2	Other	HUC 12 Rock Lake - Cottonwood River: 070200080101
Sediment (Tss)	Tons/Yr	0.5	Other	HUC 12 Rock Lake - Cottonwood River: 070200080101

Activity Action Name:	#10/25 - Brent Johnson	Activity Count: 1
Practice Type:	328 - Conservation Crop Rotation	Size/Units: 168 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Year 1,2,3 Field B	Install Date: 09/30/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	967	Other	HUC 12- 070200080101
Sediment (Tss)	Tons/Yr	2.08	Other	HUC 12- 070200080101
Phosphorus (Est. Reduction)	Lbs/Yr	19.37	Other	HUC 12- 070200080101

Activity Action Name:	#09/25 Mason Johnson	Activity Count: 1
Practice Type:	328 - Conservation Crop Rotation	Size/Units: 35 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Year 1 field C	Install Date: 09/30/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	106.6	Other	HUC 12 Rock Lake - Cottonwood River: 070200080101
Sediment (Tss)	Tons/Yr	0.3	Other	HUC 12 Rock Lake - Cottonwood River: 070200080101
Phosphorus (Est. Reduction)	Lbs/Yr	2.1	Other	HUC 12 Rock Lake - Cottonwood River: 070200080101

Activity Action Name: #10/25 - Brent Johnson				Activity Count: 1
Practice Type: 328 - Conservation Crop Rotation				Size/Units: 80 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description: Year 1 & 3 Field A				Install Date: 09/30/2025
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.9903	Other	HUC 12- 070200080101
Nitrogen	Lbs/Yr	460.5	Other	HUC 12- 070200080101
Phosphorus (Est. Reduction)	Lbs/Yr	9.226	Other	HUC 12- 070200080101

Activity Action Name: #10/25 - Brent Johnson				Activity Count: 1
Practice Type: 340 - Cover Crop				Size/Units: 80 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description: Year 1 & 3 Field A				Install Date: 09/30/2025
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	471.4	Other	HUC 12- 070200080101
Sediment (Tss)	Tons/Yr	1.466	Other	HUC 12- 070200080101
Phosphorus (Est. Reduction)	Lbs/Yr	8.919	Other	HUC 12- 070200080101

Activity Action Name: #10/25 - Brent Johnson				Activity Count: 1
Practice Type: 340 - Cover Crop				Size/Units: 168 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description: Year 1,2,3 Field B				Install Date: 09/30/2025
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	18.73	Other	HUC 12- 070200080101
Sediment (Tss)	Tons/Yr	3.078	Other	HUC 12- 070200080101
Nitrogen	Lbs/Yr	990	Other	HUC 12- 070200080101

Activity Action Name: #05/25 - Braden French				Activity Count: 1
Practice Type: 340 - Cover Crop				Size/Units: 237 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description: Year 1,2,3 Field A				Install Date: 10/01/2025
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	6.563	Other	HUC 12- 70200040603
Nitrogen	Lbs/Yr	726.4	Other	HUC 12- 070200040603
Phosphorus (Est. Reduction)	Lbs/Yr	17.3	Other	HUC 12- 070200040603

Activity Action Name: #05/25 - Braden French				Activity Count: 1
Practice Type: 328 - Conservation Crop Rotation				Size/Units: 237 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description: Yea 2				Install Date: 10/01/2025
Field A				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	1.415	Other	HUC 12- 70200040603
Nitrogen	Lbs/Yr	169.6	Other	HUC 12- 70200040603
Phosphorus (Est. Reduction)	Lbs/Yr	4.726	Other	HUC 12- 70200040603

Activity Action Name: #05/25 - Braden French				Activity Count: 1
Practice Type: 328 - Conservation Crop Rotation				Size/Units: 53 - Acres
TA Provider/JAA: SWCD				Lifespan: 1 Year
Practice Description: Year 1				Install Date: 10/01/2025
Field B				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	113.8	Other	HUC 12- 70200040603
Phosphorus (Est. Reduction)	Lbs/Yr	3.17	Other	HUC 12- 70200040603
Sediment (Tss)	Tons/Yr	0.9496	Other	HUC 12- 70200040603

Activity Action Name:	#05/25 - Braden French	Activity Count: 1
Practice Type:	328 - Conservation Crop Rotation	Size/Units: 60 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Year 3 Field C	Install Date: 10/01/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	1.075	Other	HUC 12- 70200040603
Phosphorus (Est. Reduction)	Lbs/Yr	3.589	Other	HUC 12- 70200040603
Nitrogen	Lbs/Yr	128.8	Other	HUC 12- 70200040603

Activity Action Name:	#02/25 - Megan Williams - Years 1 & 3	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 144 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Year 1 and 3- Fields A and C	Install Date: 09/29/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	586.4	Other	HUC 12 070200060204
Phosphorus (Est. Reduction)	Lbs/Yr	15.154	Other	HUC 12 070200060204
Sediment (Tss)	Tons/Yr	2.142	Other	HUC 12 070200060204

Activity Action Name:	#02/25 - Megan Williams - Year 2	Activity Count: 1
Practice Type:	340 - Cover Crop	Size/Units: 78 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Year 2 - Field B	Install Date: 09/29/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	1.161	Other	HUC 12 070200060204
Nitrogen	Lbs/Yr	317.7	Other	HUC 12 070200060204
Phosphorus (Est. Reduction)	Lbs/Yr	8.209	Other	HUC 12 070200060204

Activity Action Name:	#02/25 - Megan Williams - Year 2	Activity Count: 1
Practice Type:	328 - Conservation Crop Rotation	Size/Units: 78 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Year 2 - Field B	Install Date: 09/29/2025
		Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	310.3	Other	HUC 12 70200060204
Sediment (Tss)	Tons/Yr	0.7842	Other	HUC 12 70200060204
Phosphorus (Est. Reduction)	Lbs/Yr	8.492	Other	HUC 12 70200060204