



Grant Progress Report

LWM-NRBG 2022

Grant Title: 2022 - Local Water Management - NRBG (Lyon County)

Grant ID: P22-6321

Grantee: Lyon County

Fiscal Agent:

Grant Day-to-Day Contact: Anita Cauwels

Grant Award (\$): \$13,689.00

Required Match (%): 0

Required Match (\$): \$0.00

Grant Execution Date: 10/21/2021

Grant End Date: 12/31/2024

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$13,689.00	\$13,689.00	\$0.00
Match Funds	\$9,616.00	\$9,616.00	\$0.00
Other Funds	\$24,547.43	\$24,547.43	\$0.00
Total	\$47,852.43	\$47,852.43	\$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?
Administration	Administration/Coordination	Local Fund	Local Contribution	\$9,616.00	\$9,616.00	\$0.00	Y
WCA flex funds used for Justin Louwagie BMP	Agricultural Practices	Other Funds	2022 - Wetland Conservation Act - NRBG (Lyon County)	\$3,209.68	\$3,209.68	\$0.00	N
WCA flex funds used	Agricultural Practices	Current State Grant	2022 - Local Water Management -	\$9,522.47	\$9,522.47	\$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>
for Justin Louwagie BMP			NRBG (Lyon County)				
WCA flex funds used for Justin Louwagie BMP	Agricultural Practices	Landowner Fund	Landowner Fund	\$4,244.05	\$4,244.05	\$0.00	N
Prairie Ecology Bus - RTR -8th	Education/Information	Current State Grant	2022 - Local Water Management - NRBG (Lyon County)	\$725.00	\$725.00	\$0.00	N
Prairie Ecology Bus Program - Marshall Middle School	Education/Information	Current State Grant	2022 - Local Water Management - NRBG (Lyon County)	\$2,025.00	\$2,025.00	\$0.00	N
#08/23 - Larry Bornitz - Well Sealing	Groundwater	Other Funds	2023 - Local Water Management - NRBG (Lyon County)	\$339.37	\$339.37	\$0.00	N
#08/23 - Larry Bornitz - Well Sealing	Groundwater	Current State Grant	2022 - Local Water Management - NRBG (Lyon County)	\$160.63	\$160.63	\$0.00	N
#29/22 - Glen Deutz - Well Sealings	Groundwater	Current State Grant	2022 - Local Water Management - NRBG (Lyon County)	\$987.50	\$987.50	\$0.00	N
#08/23 - Larry Bornitz - Well Sealing	Groundwater	Landowner Fund	Landowner Fund	\$520.00	\$520.00	\$0.00	N
#29/22 - Glen Deutz - Well Sealings	Groundwater	Landowner Fund	Landowner Funds	\$987.50	\$987.50	\$0.00	N
Cottonwood Lake Water Testing	Monitoring/Data Collection	Current State Grant	2022 - Local Water Management - NRBG (Lyon County)	\$268.40	\$268.40	\$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>
Pollution Prevention	Prevention	1	Count
Pollution Prevention	Prevention	1	Count
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	8.48	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	8.48	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	24.23	Tons/Yr

Grant Activities

Activity Name: #08/23 - Larry Bornitz - Well Sealing	
Activity Category: Groundwater	Staff time?: No
Description: #08/23 - Larry Bornitz - Well Sealing of a 24 foot 32 inch well.	
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 - Local Water Management - NRBG (Lyon County)	\$339.37	\$339.37	\$0.00	07/13/2023	N
Landowner Fund	Landowner Fund	\$520.00	\$520.00	\$0.00	07/20/2023	N
Current State Grant	2022 - Local Water Management - NRBG (Lyon County)	\$160.63	\$160.63	\$0.00	07/20/2023	N

Actual Results

#08/23 - Larry Bornitz - Well Sealing of 24 foot 32 inch well.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Prevention	1	Count

Activity Action Name: #08/23 - Larry Bornitz - Well Sealing				Activity Count: 1	
Practice Type: 351 - Well Decommissioning				Size/Units: 1 - Acre-Feet/Yr	
TA Provider/JAA: SWCD				Lifespan: In Perpetuity	
Practice Description: #08/23 - Larry Bornitz - Well Sealing of 24 foot 32 inch well				Install Date: 06/05/2023	
				Mapped: Yes	
Indicator Name	Units	Value	Calculation Tool	Waterbody	
Prevention	Count	1	Unknown	Groundwater	

Activity Name: #29/22 - Glen Deutz - Well Sealings

Activity Category: Groundwater

Staff time?: No

Description: #29/22 - Glen Deutz - Well Sealings - Decommissioned 3 Wells - * 6" diameter, 184' Deep Well * 5" diameter, 65' Deep Well and * 4" diameter, 91' Deep Well. Pay 50% up to \$500 per Well Sealing.

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 Funds	\$987.50	\$987.50	\$0.00	12/22/2022	N
Current State Grant	2022 - Local Water Management - NRBG (Lyon County)	\$987.50	\$987.50	\$0.00	12/22/2022	N

Actual Results

#29/22 - Glen Deutz - Well Sealings - Decommissioned 3 Wells - * 6" diameter, 184' Deep Well * 5" diameter, 65' Deep Well and * 4" diameter, 91' Deep Well. Pay 50% up to \$500 per Well Sealing.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Prevention	1	Count

Activity Action Name:	#29/22 - Glen Deutz - Well Sealings	Activity Count: 3
Practice Type:	351 - Well Decommissioning	Size/Units: 1 - Acre-Feet/Yr
TA Provider/JAA:	SWCD	Lifespan: In Perpetuity
Practice Description:	#29/22 - Glen Deutz - Well Sealings - Decommissioned 3 Wells - * -6" diameter, 184' Deep Well * - 5" diameter, 65' Deep Well and * 4" diameter, 91' Deep Well. Pay 50% up to \$500 per well sealing	Install Date: 10/28/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Prevention	Count	1	Unknown	1

Activity Name: Administration

Activity Category: Administration/Coordination

Staff time?: Yes

Description: FY2022 Local Water Management levy contribution from Lyon County to implement the water plan.

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	\$9,616.00	\$9,616.00	\$0.00	12/31/2022	Y

Actual Results

Lyon County's contribution to implementing the Comprehensive Water Management Plan. Contribution included 2022 Technician (Olson) hours: \$9,616.

Activity Name: Cottonwood Lake Water Testing

Activity Category: Monitoring/Data Collection

Staff time?: No

Description: Testing the Cottonwood Lake for Phosphorus, Nitrogen and Nitrates

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	2022 - Local Water Management - NRBG (Lyon County)	\$268.40	\$268.40	\$0.00	06/22/2022	N

Actual Results

Completed 4 Water samples of Cottonwood Lake to test phosphorus, nitrogen and nitrate/nitrite.

Activity Action Name:	Cottonwood Lake Water Testing	Activity Count: 1
Practice Type:	501M - Surface Water Monitoring	Size/Units:
TA Provider/JAA:	SWCD	Lifespan: Unknown
Practice Description:	Water Sampling of Phosphorus and Nitrates	Install Date: 06/02/2022
		Mapped: No

Activity Name: Prairie Ecology Bus - RTR -8th

Activity Category: Education/Information

Staff time?: No

Description: Prairie Ecology Bus presented to RTR 8th Graders on 10-3-22 for Water Quality.

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	2022 - Local Water Management - NRBG (Lyon County)	\$725.00	\$725.00	\$0.00	10/25/2022	N

Actual Results

Prairie Ecology Bus presented to RTR 8th Graders on 10-3-22 for Water Quality and Water Testing.

Activity Action Name:	Prairie Ecology Bus - RTR -8th	Activity Count: 1
Practice Type:	100M - Presentations	Size/Units: 1 - Acre-Feet/Yr
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	Prairie Ecology Bus presented to RTR 8th Graders on 10-3-22 for Water Quality.	Install Date: 10/03/2022
		Mapped: No

Activity Name: Prairie Ecology Bus Program - Marshall Middle School

Activity Category: Education/Information

Staff time?: No

Description: Prairie Ecology Bus visited the Marshall Middle School with Avian Adventure for 4-11-23, 4-13-23 and 4-14-23

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	2022 - Local Water Management - NRBG (Lyon County)	\$2,025.00	\$2,025.00	\$0.00	04/19/2023	N

Actual Results

Prairie Ecology Bus visited the Marshall Middle School with Avian Adventure for 4-11-23, 4-13-23 and 4-14-23

Activity Name: WCA flex funds used for Justin Louwagie BMP

Activity Category: Agricultural Practices

Staff time?: No

Description: Constructed 2, Water & Sediment Control Basins and Underground Outlet for gully control

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	2022 - Wetland Conservation Act - NRBG (Lyon County)	\$3,209.68	\$3,209.68	\$0.00	12/28/2023	N
Landowner Fund	Landowner Fund	\$4,244.05	\$4,244.05	\$0.00	12/28/2023	N
Current State Grant	2022 - Local Water Management - NRBG (Lyon County)	\$9,522.47	\$9,522.47	\$0.00	12/28/2023	N

Final Indicators		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Soil (Est. Savings)	24.23	Tons/Yr
Sediment (Tss)	8.48	Tons/Yr
Phosphorus (Est. Reduction)	8.48	Lbs/Yr

Activity Action Name: #27/22 Justin Louwagie BMP				Activity Count: 2
Practice Type: 638 - Water and Sediment Control Basin				Size/Units: 2 - Acre-Feet/Yr
TA Provider/JAA: TSA				Lifespan: 10 Years
Practice Description: 2 Water & Sediment Control Basins and Underground Outlet				Install Date: 12/05/2023
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	8.48	Bwsr Calc (Gully Stabilization)	HUC 12 0702 000 60404
Soil (Est. Savings)	Tons/Yr	24.23	Bwsr Calc (Gully Stabilization)	HUC 12 0702 000 60404
Phosphorus (Est. Reduction)	Lbs/Yr	8.48	Bwsr Calc (Gully Stabilization)	HUC 12 0702 000 60404