



## Grant All-Detail Report Conservation Delivery 2019

**Grant Title** - 2019 - Conservation Delivery (Lyon SWCD)

**Grant ID** - P19-9963

**Organization** - Lyon SWCD

Original Awarded Amount	<b>\$19,224.00</b>	Grant Execution Date	<b>1/9/2018</b>
Required Match Amount	\$0.00	Original Grant End Date	12/31/2020
Required Match %	0%	Grant Day To Day Contact	John Biren
Current Awarded Amount	\$19,224.00	Current End Date	12/31/2020

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$19,224.00	\$19,224.00	\$0.00
Total Match Amount	\$7,743.48	\$7,743.48	\$0.00
Total Other Funds	\$118,726.95	\$118,726.95	\$0.00
<b>Total</b>	<b>\$145,694.43</b>	<b>\$145,694.43</b>	<b>\$0.00</b>

\*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	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Allan Telste - BMP	Agricultural Practices	Current State Grant	2019 - Conservation Delivery (Lyon SWCD)	\$3,026.13	\$3,026.13	11/25/2020	N
Allan Telste - BMP	Agricultural Practices	Landowner Fund	Landowner Contribution	\$1,008.71	\$1,008.71	11/25/2020	N
Charles Joel - Well Sealing	Groundwater	Current State Grant	2019 Conservation Delivery (Lyon SWCD)	\$181.91	\$181.91	12/24/2020	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Charles Joel - Well Sealing	Groundwater	Landowner Fund	Landowner Contribution	\$2,382.50	\$2,382.50	12/24/2020	Y
Charles Joel - Well Sealing	Groundwater	Other Funds	2020 - State Cost-Share Fund (Lyon SWCD)	\$500.00	\$500.00	12/24/2020	N
Fischer - BMP	Agricultural Practices	Current State Grant	2019 - Conservation Delivery (Lyon SWCD)	\$6,118.02	\$6,118.02	12/24/2020	N
Fischer - BMP	Agricultural Practices	Other Funds	2018 - State Cost-Share Fund (Lyon SWCD)	\$1,839.69	\$1,839.69	12/24/2020	N
Fischer - BMP	Agricultural Practices	Other Funds	2019 - State Cost-Share Fund (Lyon SWCD)	\$2,314.19	\$2,314.19	12/24/2020	N
Fischer - BMP	Agricultural Practices	Other Funds	2019 - Wetland Conservation Act - NRBG (Lyon County)	\$8,778.00	\$8,778.00	12/24/2020	N
Fischer - BMP	Agricultural Practices	Other Funds	2020 - SWCD Local Capacity Services (Lyon SWCD)	\$24,567.55	\$24,567.55	12/24/2020	N
Fischer - BMP	Agricultural Practices	Other Funds	Landowner Contribution	\$18,139.15	\$18,139.15	12/24/2020	N
Mark Fischer - BMP	Agricultural Practices	Current State Grant	2019 - Conservation Delivery (Lyon SWCD)	\$2,465.39	\$2,465.39	7/30/2020	N
Mark Fischer - BMP	Agricultural Practices	Other Funds	2018 - SWCD Local Capacity Services (Lyon SWCD)	\$29,665.04	\$29,665.04	7/30/2020	N
Mark Fischer - BMP	Agricultural Practices	Other Funds	2019 - SWCD Local Capacity Services (Lyon SWCD)	\$4,018.60	\$4,018.60	7/30/2020	N
Mark Fischer - BMP	Agricultural Practices	Other Funds	Landowner Contribution	\$23,014.97	\$23,014.97	7/30/2020	N
RCRCA - Engineering	Technical/Engineering Assistance	Current State Grant	2019 - Conservation Delivery (Lyon SWCD)	\$370.68	\$370.68	1/22/2020	N
Steve Prairie - WASCOB	Agricultural Practices	Current State Grant	2019 - Conservation Delivery (Lyon SWCD)	\$3,355.05	\$3,355.05	9/18/2019	N
Steve Prairie - WASCOB	Agricultural Practices	Landowner Fund	Landowner Contribution	\$1,118.35	\$1,118.35	9/18/2019	Y
Steve Prairie -Grassed Waterway-BMP	Agricultural Practices	Current State Grant	2019 - Conservation Delivery (Lyon SWCD)	\$2,497.87	\$2,497.87	8/27/2020	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Steve Prairie -Grassed Waterway-BMP	Agricultural Practices	Landowner Fund	Landowner Contribution	\$2,892.63	\$2,892.63	8/25/2020	Y
Well Sealing	Groundwater	Current State Grant	2019 - Conservation Delivery (Lyon SWCD)	\$1,208.95	\$1,208.95	10/15/2019	N
Well Sealing	Groundwater	Landowner Fund	Landowner Contribution	\$1,350.00	\$1,350.00	10/15/2019	Y
Well Sealing	Groundwater	Other Funds	2019 - Local Water Management - NRBG (Lyon County)	\$2,503.55	\$2,503.55	8/20/2019	N
Well Sealing	Groundwater	Other Funds	Landowner Contribution	\$2,377.50	\$2,377.50	8/20/2019	Y

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
638 - Water and Sediment Control Basin	6	6	2300 LINEAR FEET	2300 LINEAR FEET
638 - Water and Sediment Control Basin	8	8	1803 LINEAR FEET	1803 LINEAR FEET
412 - Grassed Waterway and Swales	1	1	927 LINEAR FEET	927 LINEAR FEET
638 - Water and Sediment Control Basin	1	1	209 LINEAR FEET	209 LINEAR FEET
412 - Grassed Waterway and Swales	1	1	320 LINEAR FEET	320 LINEAR FEET
351 - Well Decommissioning	5	5	1 COUNT	1 COUNT

### Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
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### Final Indicators Summary

Indicator Name	Total Value	Unit
SEDIMENT (TSS)	54.53	TONS/YR

<b>SOIL (EST. SAVINGS)</b>	177.07	TONS/YR
<b>PREVENTION</b>	5.00	COUNT
<b>PHOSPHORUS (EST. REDUCTION)</b>	54.84	LBS/YR

## Grant Activity

Grant Activity - Allan Telste - BMP			
<b>Description</b>	Grassed Waterway Repair Project		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	18-Jun-19	<b>End Date</b>	17-Nov-20
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	1 grassed waterway, totaling 927 LF, and underground outlet to control gully erosion. This project was a repair to the previously constructed waterway in 2018. 2019 wet conditions blew out the existing tile and washed a gully through the waterway.		

Activity Action - Allan Telste - BMP			
<b>Practice</b>	412 - Grassed Waterway and Swales	<b>Count of Activities</b>	1
<b>Description</b>	Grassed waterway with supporting seepage tile		
<b>Proposed Size / Units</b>	927.00 LINEAR FEET	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	927.00 LINEAR FEET	<b>Installed Date</b>	22-Sep-20
<b>Mapped Activities</b>	1 Polygon(s)	<b>Technical Assistance Provider</b>	TSA

Final Indicator for Allan Telste - BMP			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	3.5
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	070200040601		
Final Indicator for Allan Telste - BMP			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	9.99
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	070200040601		

Final Indicator for Allan Telste - BMP			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	3.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200040601		

Grant Activity - Charles Joel - Well Sealing			
Description	#36/20 - Charles & Nancy Joel - Well Decommissioning		
Category	GROUNDWATER		
Start Date	17-Nov-20	End Date	18-Nov-20
Has Rates and Hours?	No		
Actual Results	Sealed 4", 190 Feet Deep Well for Charles Joel		

Activity Action - Charles Joel - Well Sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	#36/20 - Charles Joel - Well Decommissioning		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	18-Nov-20
Mapped Activities	1 Point(s)	Technical Assistance Provider	SWCD

Final Indicator for Charles Joel - Well Sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Groundwater		

Grant Activity - Fischer - BMP			
Description	6 Water & Sediment Control Basins and Underground Tile to control gully erosion.		
Category	AGRICULTURAL PRACTICES		
Start Date	16-Jun-20	End Date	15-Dec-20
Has Rates and Hours?	No		
Actual Results	6 water & sediment control basins, totaling 2055 LF, with underground outlets to control gully erosion.		

Activity Action - Fischer - BMP			
Practice	638 - Water and Sediment Control Basin	Count of Activities	6
Description	6 water & sediment control basins with underground outlets to control gully erosion.		
Proposed Size / Units	2,300.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	2,300.00 LINEAR FEET	Installed Date	23-Nov-20
Mapped Activities	6 Point(s)	Technical Assistance Provider	TSA

Final Indicator for Fischer - BMP			
Indicator Name	SEDIMENT (TSS)	Value	19.69
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200080202		
Final Indicator for Fischer - BMP			
Indicator Name	SOIL (EST. SAVINGS)	Value	56.27
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200080202		
Final Indicator for Fischer - BMP			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	19.69
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200080202		

Grant Activity - Mark Fischer - BMP			
Description	Contract #20/19 - 8 water and sediment control basins and underground outlet to control gully erosion in Lynd 7.		
Category	AGRICULTURAL PRACTICES		
Start Date	21-May-19	End Date	21-Jul-20
Has Rates and Hours?	No		
Actual Results	8 Water & Sediment Control Basins, totaling 1803 LF, with Underground Outlets were installed to control gully erosion.		

Activity Action - Mark Fischer, Lynd 7 - BMP			
Practice	638 - Water and Sediment Control Basin	Count of Activities	8
Description	8 water & sediment control basins and underground outlets to control gully erosion.		
Proposed Size / Units	1,803.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	1,803.00 LINEAR FEET	Installed Date	26-Jun-20
Mapped Activities	8 Point(s)	Technical Assistance Provider	TSA

Final Indicator for Mark Fischer, Lynd 7 - BMP			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	27.79
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200060401		
Final Indicator for Mark Fischer, Lynd 7 - BMP			
Indicator Name	SOIL (EST. SAVINGS)	Value	79.4
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200060401		
Final Indicator for Mark Fischer, Lynd 7 - BMP			
Indicator Name	SEDIMENT (TSS)	Value	27.79
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	070200060401		

Grant Activity - RCRC - Engineering			
Description	Engineering Services from RCRC for Cost Share Projects.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	30-Sep-19	End Date	10-Dec-19
Has Rates and Hours?	No		
Actual Results	RCRC Engineering Services for Patzer/Snodgrass, Vandendriessche and Kor Projects.		

Grant Activity - Steve Prairie - WASCOB			
Description	Steve Prairie - Rock Lake 34 - WASCOB and subsurface tile		
Category	AGRICULTURAL PRACTICES		
Start Date	20-Jun-19	End Date	10-Sep-19
Has Rates and Hours?	No		
Actual Results	1 Water & Sediment Control Basin Constructed with Underground Outlet.		

Activity Action - Prairie BMP			
Practice	638 - Water and Sediment Control Basin	Count of Activities	1
Description	1 water and sediment control basin with underground outlet to control gully erosion.		
Proposed Size / Units	209.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	209.00 LINEAR FEET	Installed Date	10-Sep-19
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Prairie BMP			
Indicator Name	SEDIMENT (TSS)	Value	2.07
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	071000010201		

Final Indicator for Prairie BMP			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	2.38
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	071000010201		

Final Indicator for Prairie BMP			
Indicator Name	SOIL (EST. SAVINGS)	Value	5.91
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	071000010201		



Grant Activity - Steve Prairie -Grassed Waterway- BMP			
Description	#13/20 - Steve Prairie - Grassed Waterway Repair		
Category	AGRICULTURAL PRACTICES		
Start Date	16-Jun-20	End Date	10-Aug-20
Has Rates and Hours?	No		
Actual Results	1 grassed waterway, 320 LF total, with underground outlet repair. Waterway was originally constructed in 2019 and failed because of wet conditions. 515 LF of 8" dual-wall tile was installed as a reroute of damaged county tile, unknown during the original construction.		

Activity Action - Steve Prairie - Waterway Repair - BMP			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	Grassed waterway repair with underground outlet from 2019 wet conditions.		
Proposed Size / Units	320.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	320.00 LINEAR FEET	Installed Date	10-Aug-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	TSA

Final Indicator for Steve Prairie - Waterway Repair - BMP			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1.48
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	071000010201		

Final Indicator for Steve Prairie - Waterway Repair - BMP			
Indicator Name	SEDIMENT (TSS)	Value	1.48
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	071000010201		

Final Indicator for Steve Prairie - Waterway Repair - BMP			
Indicator Name	SOIL (EST. SAVINGS)	Value	25.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	071000010201		

Grant Activity - Well Sealing			
Description	Well Sealing		
Category	GROUNDWATER		
Start Date	1-Jan-19	End Date	31-Dec-19
Has Rates and Hours?	No		
Actual Results	Perpetual Well Sealing		

Activity Action - Redwood River Sportsmens Club -BMP			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Well Sealing, Clifton, Section 32		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	20-Aug-19
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Redwood River Sportsmens Club -BMP			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Groundwater		

Activity Action - Brandon Enemark - BMP			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Well Decommissioning - 36', 18" well		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	20-Aug-19
Mapped Activities	1 Point(s)	Technical Assistance Provider	SWCD

Final Indicator for Brandon Enemark - BMP			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Groundwater		

Activity Action - Larry Vavruska -BMP			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Well Decommissioning - 21'6", 16" deep well		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	19-Sep-19
Mapped Activities	1 Point(s)	Technical Assistance Provider	SWCD

Final Indicator for Larry Vavruska -BMP			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Groundwater		

Activity Action - Adam Karbo-BMP			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Well Decommissioning 4", 12' well		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	21-Sep-20
Mapped Activities	1 Point(s)	Technical Assistance Provider	SWCD

Final Indicator for Adam Karbo-BMP			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Unknown
Waterbody	Groundwater		

## Grant Attachments

Document Name	Document Type	Description
2018/2019 Programs and Operations Grants	Grant Agreement	2018/2019 SWCD Programs and Operations Grants - Lyon SWCD
2018/2019 Programs and Operations Grants executed	Grant Agreement	2018/2019 SWCD Programs and Operations Grants - Lyon SWCD
2019 Conservation Delivery Financial Report	Grant	2019 - Conservation Delivery (Lyon SWCD)
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/22/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/27/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/23/2018

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/12/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/17/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/24/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/15/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/04/2019