



## Grant All-Detail Report LWM-NRBG 2015

**Grant Title** - 2015 - Local Water Management - NRBG (Lyon County)

**Grant ID** - P15-0098

**Organization** - Lyon County

<b>Grant Awarded Amount</b>	<b>\$13,689.00</b>	<b>Grant Execution Date</b>	
<b>Required Match Amount</b>	\$0.00	<b>Grant End Date</b>	12/31/2016
<b>Required Match %</b>	0%	<b>Grant Day To Day Contact</b>	Anita Cauwels

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$13,689.00	\$13,689.00	\$0.00
Total Match Amount	\$28,139.10	\$28,139.10	\$0.00
Total Other Funds	\$45,849.65	\$45,849.65	\$0.00
<b>Total</b>	<b>\$87,677.75</b>	<b>\$87,677.75</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
Conservation BMP's - Jim Opdahl, Basins	Agricultural Practices	Other Funds	2014 - Conservation Delivery (Lyon SWCD)	\$8,777.17	\$8,777.17	12/19/2014	N
Conservation BMP's - Jim Opdahl, Basins	Agricultural Practices	Other Funds	2014 - Local Water Management - NRBG (Lyon County)	\$2,844.51	\$2,844.51	12/23/2014	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Conservation BMP's - Jim Opdahl, Basins	Agricultural Practices	Other Funds	2014 - Wetland Conseration Act - NRBG (Lyon County)	\$522.33	\$522.33	11/18/2014	N
Conservation BMP's - Jim Opdahl, Basins	Agricultural Practices	Other Funds	Landowner Contribution	\$18,456.22	\$18,456.22	12/19/2014	Y
2015 - Local Water Management - NRBG - Administration Hours	Administration /Coordination	Local Fund	2015 County Levy	\$22,440.85	\$22,440.85	12/31/2015	Y
Alvin Smith - BMP	Agricultural Practices	Current State Grant	2015 - Local Water Management - NRBG (Lyon County)	\$438.17	\$438.17	12/22/2015	N
Dan Lanoue - BMP	Agricultural Practices	Current State Grant	2015 - Local Water Management - NRBG (Lyon County)	\$197.30	\$197.30	12/22/2015	N
Dan Lanoue - BMP	Agricultural Practices	Other Funds	2015 - Conservation Delivery (Lyon SWCD)	\$4,821.15	\$4,821.15	12/22/2015	N
Dan Lanoue - BMP	Agricultural Practices	Other Funds	Landowner Contribution	\$1,787.05	\$1,787.05	12/22/2015	Y
Parris/Kaas - BMP	Streambank or Shoreline Protection	Current State Grant	2015 - Local Water Management - NRBG (Lyon County)	\$8,453.53	\$8,453.53	5/26/2015	N
Parris/Kaas - BMP	Streambank or Shoreline Protection	Landowner Fund	Landowner Contribution	\$5,698.25	\$5,698.25	5/26/2015	Y
Parris/Kaas - BMP	Streambank or Shoreline Protection	Other Funds	2015 - Wetland Conseration Act - NRBG (Lyon County)	\$8,641.22	\$8,641.22	5/26/2015	N
Prairie Ecology Bus Program - Fall	Education/Info rmation	Current State Grant	2015 - Local Water Management - NRBG (Lyon County)	\$1,800.00	\$1,800.00	10/27/2015	N
Prairie Ecology Bus Program - Spring	Education/Info rmation	Current State Grant	2015 - Local Water Management - NRBG (Lyon County)	\$1,800.00	\$1,800.00	5/26/2015	N
Redwood River - Water Quality Mentoring Project	Monitoring/Da ta Collection	Current State Grant	2015 - Local Water Management - NRBG (Lyon County)	\$1,000.00	\$1,000.00	4/28/2015	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
638 - Water and Sediment Control Basin	5	10	1404 LINEAR FEET	1404 LINEAR FEET
638 - Water and Sediment Control Basin	2	4	450 LINEAR FEET	450 LINEAR FEET
638 - Water and Sediment Control Basin	4	16	1084 LINEAR FEET	1084 LINEAR FEET
580 - Streambank and Shoreline Protection	1	2	150 LINEAR FEET	150 LINEAR FEET

### 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
<b>SEDIMENT (TSS)</b>	52.84	TONS/YR
<b>SOIL (EST. SAVINGS)</b>	121.35	TONS/YR
<b>PHOSPHORUS (EST. REDUCTION)</b>	53.13	LBS/YR

## Grant Activity

Grant Activity - 2015 - Local Water Management - NRBG - Administration Hours			
Description	2015 - Local Water Management - NRBG - Administration Hours		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Jan-15	End Date	31-Dec-15
Has Rates and Hours?	Yes		
Actual Results	2015 staff hours associated with administering the County Water Plan. Hours include staff time on administering the water plan goals and promoting/outreach of best management practices.		

Grant Activity - Alvin Smith - BMP			
Description	Alvin Smith - BMP		
Category	AGRICULTURAL PRACTICES		
Start Date	24-Mar-15	End Date	22-Dec-15
Has Rates and Hours?	No		
Actual Results	5 Water & Sediment Control Basins (WASCOBS) with underground outlets installed to control gully erosion.		

Activity Action - Alvin Smith - BMP			
Practice	638 - Water and Sediment Control Basin	Count of Activities	5
Description	5 Water & Sediment Control Basins, 4350 feet on drainage tile, and seeding/fertilizer to establish vegetative cover on basins.		
Proposed Size / Units	1,404.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	1,404.00 LINEAR FEET	Installed Date	16-Nov-15

Final Indicator for Alvin Smith - BMP			
Indicator Name	SEDIMENT (TSS)	Value	27.23
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Intermittent Stream - South Branch, Yellow Medicine River		
Final Indicator for Alvin Smith - BMP			
Indicator Name	SOIL (EST. SAVINGS)	Value	77.8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)

<b>Waterbody</b>	Intermittent Stream - South Branch, Yellow Medicine River		
<b>Final Indicator for Alvin Smith - BMP</b>			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	27.23
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Intermittent Stream - South Branch, Yellow Medicine River		

<b>Grant Activity - Dan Lanoue - BMP</b>			
<b>Description</b>	Dan Lanoue - BMP		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	22-Sep-15	<b>End Date</b>	22-Dec-15
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	2 Water & Sediment Control Basins (WASCOB's) with underground outlets installed to control gully erosion.		

<b>Activity Action - Dan Lanoue - BMP</b>			
<b>Practice</b>	638 - Water and Sediment Control Basin	<b>Count of Activities</b>	2
<b>Description</b>	2 Water & Sediment Control Basins installed with 1117 feet of drainage tile to control gully erosion		
<b>Proposed Size / Units</b>	450.00 LINEAR FEET	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	450.00 LINEAR FEET	<b>Installed Date</b>	4-Nov-15

<b>Final Indicator for Dan Lanoue - BMP</b>			
<b>Indicator Name</b>	SOIL (EST. SAVINGS)	<b>Value</b>	5.51
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Intermittent Stream - Cottonwood River		

<b>Final Indicator for Dan Lanoue - BMP</b>			
<b>Indicator Name</b>	SEDIMENT (TSS)	<b>Value</b>	1.93
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Intermittent Stream - Cottonwood River		

<b>Final Indicator for Dan Lanoue - BMP</b>			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	2.22
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	Intermittent Stream - Cottonwood River		

Grant Activity - Parris/Kaas - BMP			
Description	Parris/Kaas - BMP		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	26-Aug-14	End Date	26-May-15
Has Rates and Hours?	Yes		
Actual Results	1 Streambank stabilization project to control erosion of streambank on the Redwood River. The project included 2 rock riffles and 1 rock vane along with the shoreland stabilization using a toe-wood sod mat.		

Activity Action - Parris/Kaas Streambank Stabilization			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	1 toe-wood sod mat installed to control shoreland erosion on Redwood River. 2 rock riffles and 1 rock vane installed to promote shoreland protection.		
Proposed Size / Units	150.00 LINEAR FEET	Lifespan	25 Years
Actual Size/Units	150.00 LINEAR FEET	Installed Date	26-May-15

Final Indicator for Parris/Kaas Streambank Stabilization			
Indicator Name	SEDIMENT (TSS)	Value	15.94
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Redwood River		

Final Indicator for Parris/Kaas Streambank Stabilization			
Indicator Name	SOIL (EST. SAVINGS)	Value	15.94
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Redwood River		

Final Indicator for Parris/Kaas Streambank Stabilization			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	15.94
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Redwood River		

Grant Activity - Prairie Ecology Bus Program - Fall			
Description	Prairie Ecology Bus Program - Fall		
Category	EDUCATION/INFORMATION		
Start Date	22-Sep-15	End Date	27-Oct-15
Has Rates and Hours?	No		
Actual Results	Educational outreach through the Prairie Ecology Bus to RTR Middle School 10/3/2015 and Tracy Elementary School 10/8/2015 & 10/9/2015. The Prairie Ecology Bus provides both mentoring and monitoring education.		

Grant Activity - Prairie Ecology Bus Program - Spring			
Description	Prairie Ecology Bus Program - Spring		
Category	EDUCATION/INFORMATION		
Start Date	28-Apr-15	End Date	26-May-15
Has Rates and Hours?	No		
Actual Results	Educational outreach through the Prairie Ecology Bus to Marshall Middle School 5/1/2015, 5/4/2015, and 5/5/2015. The Prairie Ecology Bus provides both mentoring and monitoring education.		

Grant Activity - Redwood River - Water Quality Mentoring Project			
Description	Redwood River - Water Quality Mentoring Project		
Category	MONITORING/DATA COLLECTION		
Start Date	1-Jan-15	End Date	28-Apr-15
Has Rates and Hours?	No		
Actual Results	The project provides funding for students at Marshall Public Schools and SMSU to conduct water sampling and understand the effects of the City of Marshall on the Redwood River.		

### Grant Attachments

Document Name	Document Type	Description
<b>2015 Local Water Management Financial Report</b>	Grant	2015 - Local Water Management - NRBG (Lyon County)
<b>2015 NRBG Addendum</b>	Grant Agreement	2015 Natural Resources Block Grant Addendum - Lyon County

Document Name	Document Type	Description
<b>2015 NRBG Addendum executed</b>	Grant Agreement	2015 Natural Resources Block Grant Addendum - Lyon County
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/22/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/28/2015
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/27/2015