



## Grant All-Detail Report SWCD Local Capacity Services 2016

**Grant Title** - 2016 - SWCD Local Capacity Services (Murray SWCD)

**Grant ID** - P16-1895

**Organization** - Murray SWCD

<b>Original Awarded Amount</b>	<b>\$125,337.00</b>	<b>Grant Execution Date</b>	<b>1/27/2016</b>
<b>Required Match Amount</b>	\$0.00	<b>Original Grant End Date</b>	12/31/2018
<b>Required Match %</b>	0%	<b>Grant Day To Day Contact</b>	Shelly Lewis
<b>Current Awarded Amount</b>	\$125,337.00	<b>Current End Date</b>	12/31/2018

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$125,337.00	\$125,337.00	\$0.00
Total Match Amount	\$1,705.45	\$1,705.45	\$0.00
Total Other Funds	\$4,000.00	\$4,000.00	\$0.00
<b>Total</b>	<b>\$131,042.45</b>	<b>\$131,042.45</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
Harold Deal Waterway	Agricultural Practices	Current State Grant	2016 - SWCD Local Capacity Services (Murray SWCD)	\$5,116.00	\$5,116.00	7/11/2017	N
Harold Deal Waterway	Agricultural Practices	Landowner Fund	Landowner Fund Deal	\$1,705.45	\$1,705.45	7/11/2017	Y
Harold Deal Waterway	Agricultural Practices	Other Funds	2017 - SWCD Local Capacity Services (Murray SWCD)	\$3,000.00	\$3,000.00	7/11/2017	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Harold Deal Waterway	Agricultural Practices	Other Funds	Landowner Fund Deal	\$1,000.00	\$1,000.00	7/11/2017	Y
Soil Erosion - 2016 Cost-Share Assistance	Agricultural Practices	Current State Grant	2016 - SWCD Local Capacity Services (Murray SWCD)	\$5,480.00	\$5,480.00	12/28/2018	N
Soil Erosion - 2016 TSA Capital Outlay	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Murray SWCD)	\$19,603.07	\$19,603.07	10/20/2016	N
Soil Erosion - 2016 TSA Supplies	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Murray SWCD)	\$2,096.93	\$2,096.93	6/30/2017	N
Soil Erosion - 2016 TSA Technician	Technical/Engineering Assistance	Current State Grant	2016 - SWCD Local Capacity Services (Murray SWCD)	\$24,000.00	\$24,000.00	12/31/2017	N
Soil Erosion - Supplies/Equipment	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Murray SWCD)	\$42,737.00	\$42,737.00	3/28/2017	N
Soil Erosion-Administrative	Administration/Coordination	Current State Grant	2016 - SWCD Local Capacity Services (Murray SWCD)	\$1,000.00	\$1,000.00	12/28/2018	N
Soil Erosion-Supplies/Equipment	Supplies/Equipment	Current State Grant	2016 - SWCD Local Capacity Services (Murray SWCD)	\$23,807.97	\$23,807.97	12/13/2018	N
Soil Erosion-Technical Assistance	Technical/Engineering Assistance	Current State Grant	2016 - SWCD Local Capacity Services (Murray SWCD)	\$1,496.03	\$1,496.03	8/1/2018	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
412 - Grassed Waterway and Swales	2	2	1575 LINEAR FEET	1575 LINEAR FEET
412 - Grassed Waterway and Swales	1	1	1391 LINEAR FEET	1391 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>SOIL (EST. SAVINGS)</b>	25.90	TONS/YR
<b>SEDIMENT (TSS)</b>	4.63	TONS/YR
<b>PHOSPHORUS (EST. REDUCTION)</b>	5.33	LBS/YR

## Grant Activity

### Grant Activity - Harold Deal Waterway

<b>Description</b>	Harold Deal Waterway located in Shetek Township Section 11		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	17-Feb-17	<b>End Date</b>	11-Jul-17
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>Harold Deal (Shetek-Section 11 SW1/4 NE1/4,1/4 constructed 2 waterways to control erosion and improve water quality. The Southwest Prairie Technical Service Area provided the Technical work on the waterways which were constructed to NRCS field technical service guide standards. The total cost is as follows:</p> <p>FY16 Capacity-\$5,116.00  FY17 Capacity-\$3000.00  Landowner cost-\$2,705.45</p>		

### Activity Action - Deal Waterways

<b>Practice</b>	412 - Grassed Waterway and Swales	<b>Count of Activities</b>	2
<b>Description</b>	Harold Deal Waterways-Shetek Twp section 11		
<b>Proposed Size / Units</b>	1,575.00 LINEAR FEET	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	1,575.00 LINEAR FEET	<b>Installed Date</b>	11-Jul-17
<b>Mapped Activities</b>	2 Polygon(s)		

### Final Indicator for Deal Waterways

<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	3.11
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	BWSR CALC (GULLY STABILIZATION)
<b>Waterbody</b>	wetland		

Final Indicator for Deal Waterways			
Indicator Name	SEDIMENT (TSS)	Value	2.70
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	wetland		
Final Indicator for Deal Waterways			
Indicator Name	SOIL (EST. SAVINGS)	Value	13.65
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	wetland		

Grant Activity - Soil Erosion - 2016 Cost-Share Assistance			
Description	Soil Erosion - 2016 Cost-Share Assistance Murray County Local Water Management Plan  Funds will be used to provide cost-share to install BMPs to address soil erosion issues in Murray County. Practices include but not limited to waterways, Water & Sediment Control Basins, Terraces, Field Windbreaks. Cost-Share will be limited to 75% of approved documented cost.		
Category	AGRICULTURAL PRACTICES		
Start Date	17-Mar-17	End Date	18-Sep-18
Has Rates and Hours?	No		
Actual Results	Paula Meendering (Chanarambie Section 3) constructed a waterway to control erosion and improve water quality. The Southwest Prairie Technical Service Area provided the Technical work on the waterways which were constructed to NRCS field technical service guide standards. The total cost is as follows: FY16 Capacity-\$5480.00 Landowner cost-\$2587.59		

Activity Action - Paula Meendering Waterway			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	Paula Meendering waterway located Chanarambie section3		
Proposed Size / Units	1,391.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	1,391.00 LINEAR FEET	Installed Date	18-Sep-18
Mapped Activities	1 Polygon(s)		

Final Indicator for Paula Meendering Waterway

Indicator Name	SOIL (EST. SAVINGS)	Value	12.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	stream		

Final Indicator for Paula Meendering Waterway

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	2.22
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	stream		

Final Indicator for Paula Meendering Waterway

Indicator Name	SEDIMENT (TSS)	Value	1.93
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	stream		

**Grant Activity - Soil Erosion - 2016 TSA Capital Outlay**

<b>Description</b>	Soil Erosion - 2016 TSA Capital Outlay		
	One time startup equipment cost of \$20,000.00 to be used by SW Prairie TSA in the purchase of office and field equipment (\$300), pickup truck (\$6,700), survey grade GPS (\$9,000), and (\$4,000) for Civil 3D software, computer and ArcGIS, etc., that will be needed by the newly hired TSA Technician.		
<b>Category</b>	SUPPLIES/EQUIPMENT		
<b>Start Date</b>	1-Mar-16	<b>End Date</b>	20-Oct-16
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	The Murray SWCD hired a FTE shared service Engineering Technician along with Nobles and Pipestone SWCDs. The amount of \$19,603.07 is 1/3 of the total cost of a notebook, Arc Gis, Pickup, Auto cad/civil 3D, dock station, trimble R10, and 2 display monitors, office chair as a one time startup equipment cost.		

**Grant Activity - Soil Erosion - 2016 TSA Supplies**

<b>Description</b>	Soil Erosion - 2016 TSA Supplies		
	SW Prairie TSA Shared Services Equipment & Operating Expense to cover expenses for office space rent (\$800), vehicle expenses (\$500), and (\$400) toward staff training, telephone, computer, office supplies, field supplies, etc., for the newly hired shared TSA Technician.		
<b>Category</b>	SUPPLIES/EQUIPMENT		
<b>Start Date</b>	1-Mar-16	<b>End Date</b>	30-Jun-17
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	The Murray SWCD along with Nobles and Pipestone hired a TSA shared Technician to provide technical and engineering services to landowners in implementing conservation practices on land that have a soil and water erosion problems caused by the June 2014 flood. The 1/3 cost of expenses which includes gas, rent, training, cell phone from March 2016-June 2017 is \$2,096.93		

## Grant Activity - Soil Erosion - 2016 TSA Technician

<b>Description</b>	Soil Erosion - TSA Technician		
	Funds will be used to hire a FTE shared service Engineering Technician along with Nobles and Pipestone SWCD's, to provide technical and engineering services to landowners in implementing conservation practices on land that have a soil and water erosion problems cause by the June 2014 floods.		
<b>Category</b>	TECHNICAL/ENGINEERING ASSISTANCE		
<b>Start Date</b>	1-Mar-16	<b>End Date</b>	30-Jun-17
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	The Murray SWCD along with Nobles and Pipestone hired a TSA shared Technician to provide technical and engineering services to landowners in implementing conservation practices on land that have a soil and water erosion problems caused by the June 2014 flood. The Murray SWCD paid for 1/3 of the Technician's salaries, insurance, pera, SS from March-2016-June 2017 in the amount of \$24,000.00		

**Grant Activity - Soil Erosion - Supplies/Equipment**

<p><b>Description</b></p>	<p>Soil Erosion - 2016 SWCD Supplies/Equipment</p> <p>Purchase three ESRI ArcGIS computer Software for SWCD work stations to assist in implementing Best Management Practices, Easement Programs, Buffer Programs and Cost-Share program within the district. Purchase a Surface Pro to be used out in the field for Buffer Compliance. Purchase a Ranger to used for Buffer Compliance and stream bank &amp; shoreline erosion. Due to staff changes at the Murray SWCD, we are planning to purchase another vehicle. The Murray SWCD is getting a farm bill assistant so there will be 4 staff with one vehicle to date. The vehicle will be used for Buffer Compliance, Easement Verification, meetings, training, ect.</p>		
<p><b>Category</b></p>	<p>SUPPLIES/EQUIPMENT</p>		
<p><b>Start Date</b></p>	<p>1-Mar-16</p>	<p><b>End Date</b></p>	<p>31-Dec-17</p>
<p><b>Has Rates and Hours?</b></p>	<p>No</p>		
<p><b>Actual Results</b></p>	<p>Purchased 2- ArcGIS licenses in the amount of \$2,641.00 to be used for engineering &amp; implementing the Buffer Law. The SWCD purchased a Microsoft surface pro to be used out in the field for Buffer Compliance. The total cost of the pro was \$1,410.73 of that amount \$1,010.73 was taken out of capacity grant and \$400.00 was taken out of the District generated funds from the tree program. The District purchased a 2016 Ford Pickup for \$34,954.93 of that amount \$5000.00 was taken out of the District self generated tree fund and \$29,954.93 out of the Capacity Grant. The Murray SWCD purchased a 2017 Polaris Ranger for \$25,384.50 to be used for Buffer Compliance and Stream Bank &amp; Shoreline Erosion. Of that amount \$9,129.39 was taken out of FY16 Capacity, \$11,255.11 taken out of FY17 Capacity, and \$5,000.00 was paid out of District Generated Funds from Tree Program.</p> <p>2- Arc GIS License=\$2,641.95                  Microsoft Surface Pro-\$1,010.73                  2016 Ford Pickup-\$29,954.93                  2017 Polaris Ranger-\$9,129.39                  Total spent from August-April, 2017-\$42,737.00</p>		



**Grant Activity - Soil Erosion-Administrative**

<b>Description</b>	Administrative Assistance for entering projects in eLink, working on cost-share, ect.		
<b>Category</b>	ADMINISTRATION/COORDINATION		
<b>Start Date</b>	29-Jan-16	<b>End Date</b>	28-Dec-18
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>The district administrator worked on Capacity Cost-Share, entered cost-share contracts in elink, paid vouchers, ect.</p> <p>District Administrator 2017=3 hrs @43.40/hr=\$130.20</p> <p>District Administrator 2018= 22 hrs@42.52=\$935.44 for a total of \$1,065.64</p> <p>\$1,000.00 was expended from the Grant</p>		

**Grant Activity - Soil Erosion-Supplies/Equipment**

<b>Description</b>	The Murray SWCD will be using the equipment fund to purchase a No-Till Drill do to the demand of their current drill and not being able to help all the landowners that want to use it. The No-Till Drill will also be used for the Buffer program, CREP projects, Cover Crop Plantings, Waterways, Basins, and CRP plantings.		
<b>Category</b>	SUPPLIES/EQUIPMENT		
<b>Start Date</b>	29-Jan-16	<b>End Date</b>	13-Dec-18
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>The Murray SWCD purchased a Great Plains No-Till Drill to be used for the Buffer Program, CREP Projects, Cover Crop Plantings, Waterways, Basins, and CRP plantings.</p> <p>Great Plains No-Till Drill-\$42,250.00</p> <p>Breakdown as follows</p> <p>FY16Capacity-\$23,807.97</p> <p>FY17 Capacity-\$9,157.21</p> <p>FY18 Buffer Grant-\$6,000.00</p> <p>District Funds not associated with any grant-\$3,284.82</p>		

## Grant Activity - Soil Erosion-Technical Assistance

<b>Description</b>	Technical Assistance for practices		
<b>Category</b>	TECHNICAL/ENGINEERING ASSISTANCE		
<b>Start Date</b>	29-Jan-16	<b>End Date</b>	31-Dec-18
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	The Murray SWCD paid the Southwest Prairie Technical Service Area for technical services which included designs, surveying, construction checks, ect. The total cost for technical work was \$1,496.03		

## Grant Attachments

Document Name	Document Type	Description
<b>2016 SWCD Local Capacity Financial Report</b>	Grant	2016 - SWCD Local Capacity Services (Murray SWCD)
<b>2016 SWCD Local Capacity Services</b>	Grant Agreement	2016 SWCD Local Capacity Services - Murray SWCD
<b>2016 SWCD Local Capacity Services executed</b>	Grant Agreement	2016 SWCD Local Capacity Services - Murray SWCD
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/24/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/05/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/01/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/19/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/03/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/20/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/25/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/12/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/02/2018
<b>Amendment executed</b>	Grant Agreement	2016 SWCD Local Capacity Services - Murray SWCD
<b>CY16 Murray SWCD eLink Reporting Needs</b>	Journal	Journal Dated - 03/20/2017
<b>Financial Report Reconciliation B</b>	Grant	2016 - SWCD Local Capacity Services (Murray SWCD)
<b>Murray SWCD CY17 eLINK Needs</b>	Journal	Journal Dated - 02/05/2018
<b>Murray SWCD CY18 eLINK Reporting Needs</b>	Journal	Journal Dated - 03/01/2019
<b>Murray SWCD Capacity Work Plan Change Request</b>	Journal	Journal Dated - 10/08/2018
<b>P16-1895 Checklist</b>	Journal	Journal Dated - 02/08/2017
<b>P16-1895 Financial Report</b>	Grant	2016 - SWCD Local Capacity Services (Murray SWCD)

Document Name	Document Type	Description
<b>P16-1895 Reconciliation B Checklist</b>	Journal	Journal Dated - 03/16/2018
<b>SWCD Capacity Amendment - Murray SWCD.docx</b>	Grant	2016 - SWCD Local Capacity Services (Murray SWCD)
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 03/01/2019
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 10/11/2018
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 09/14/2018
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/02/2018
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 11/08/2016
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 07/15/2016
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/27/2016
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/19/2016
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 11/30/2015