



## Grant All-Detail Report Disaster Relief 2015

**Grant Title** - 2014 - Minnesota Flood Relief Grant (Murray SWCD)

**Grant ID** - P15-4930

**Organization** - Murray SWCD

<b>Original Awarded Amount</b>	<b>\$137,235.00</b>	<b>Grant Execution Date</b>	<b>4/13/2015</b>
<b>Required Match Amount</b>	\$0.00	<b>Original Grant End Date</b>	12/31/2017
<b>Required Match %</b>	0%	<b>Grant Day To Day Contact</b>	Shelly Lewis
<b>Current Awarded Amount</b>	\$137,235.00	<b>Current End Date</b>	12/31/2017

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$137,235.00	\$137,235.00	\$0.00
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$24,916.50	\$24,916.50	\$0.00
<b>Total</b>	<b>\$162,151.50</b>	<b>\$162,151.50</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
2014 Minnesota Flood Relief Technical	Technical/Engineering Assistance	Current State Grant	2014 - Minnesota Flood Relief Grant (Murray SWCD)	\$13,114.07	\$13,114.07	12/31/2018	N
Earl Johnson Embankment Repair Large Pond	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant (Murray SWCD)	\$39,389.00	\$39,389.00	9/10/2015	N
Earl Johnson Embankment Repair Large Pond	Agricultural Practices	Landowner Fund	Landowner Fund-Johnson Large Pond	\$0.00			Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Earl Johnson Embankment Small Pond Repair	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant (Murray SWCD)	\$24,120.00	\$24,120.00	7/13/2016	N
Earl Johnson Embankment Small Pond Repair	Agricultural Practices	Landowner Fund	Landowner Contribution Johnson small pond repair	\$0.00			Y
FY14 MN Flood Relief Grant Admin	Administration /Coordination	Current State Grant	2014 - Minnesota Flood Relief Grant (Murray SWCD)	\$2,305.67	\$2,305.67	12/31/2018	N
Harvey Larson Basins	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant (Murray SWCD)	\$21,376.25	\$21,376.25	11/8/2018	N
Harvey Larson Basins	Agricultural Practices	Landowner Fund	Landowner Contribution Larson	\$0.00			Y
Harvey Larson Basins	Agricultural Practices	Other Funds	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)	\$3,687.50	\$3,687.50	11/8/2018	N
Harvey Sas Embankment Repair	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant (Murray SWCD)	\$31,000.00	\$31,000.00	6/7/2016	N
Harvey Sas Embankment Repair	Agricultural Practices	Landowner Fund	Landowner Contribution Sas	\$0.00			Y
Harvey Sas Embankment Repair	Agricultural Practices	Other Funds	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)	\$21,229.00	\$21,229.00	6/7/2016	N
Roger Steinman Emergency Spillway Repair	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant (Murray SWCD)	\$5,930.01	\$5,930.01	7/10/2017	N
Roger Steinman Emergency Spillway Repair	Agricultural Practices	Landowner Fund	Landowner Fund-Steinman	\$0.00			Y

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
378 - Pond for Water Use	1	1	5.4 AC	5.4 AC
412 - Grassed Waterway and Swales	2	2	1414 LINEAR FEET	1492 LINEAR FEET
412 - Grassed Waterway and Swales	1	1	300 LINEAR FEET	300 LINEAR FEET
378 - Pond for Water Use	1	1	1.94 AC	1.94 AC
378 - Pond for Water Use	1	1	1 AC	1 AC

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
638 - Water and Sediment Control Basin	5	5	5 COUNT	5 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
<b>SEDIMENT (TSS)</b>	258.32	TONS/YR
<b>SOIL (EST. SAVINGS)</b>	331.85	TONS/YR
<b>PHOSPHORUS (EST. REDUCTION)</b>	268.77	LBS/YR

## Grant Activity

### Grant Activity - 2014 Minnesota Flood Relief Technical

Description	The Murray SWCD staff will oversee the Technical aspects of all State Cost-Share projects. If projects are above a job class approval authority authorized for our office the District will use the Southwest Prairie TSA Engineer-Russell Hoogendoorn; Area II River Basin Ic. Engineer Joe DeSchepper and NRCS Technicians Allisa Wendland, Brian Christiansen, or Cheryl Heard technical & Engineering		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	13-Apr-15	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	<p>All practices will be designed to USDA NRCS practice standards. The Southwest Prairie Technical Service Area (SWPTSA) has Technical Approval Authority and they were paid for technical and engineering services for the following activities:</p> <p>DR-01 Harvey Sas-\$3,100.00  DR-02 Earl Johnson-\$5,364.24  DR-03 Roger Steinman-\$882.42  DR-04 Earl Johnson-\$3,153.26  Total expended from September, 2015-December 31, 2016 was \$12,499.92</p> <p>2017 Activities:  DR-03 Roger Steinman-\$270.74  DR-05 Harvey Larson-\$91.86  Total Expended to Date: \$12,862.52</p> <p>2018 expense-\$251.55  Total Expended to date: \$13,114.07</p> <p>The Remainder of the technical expense in the amount of \$4,620.93 was used for flood projects.</p>		

Grant Activity - Earl Johnson Embankment Repair Large Pond			
Description	Earl Johnson Embankment Repair Large Pond located in Mason Township Section 9 SE1/4		
Category	AGRICULTURAL PRACTICES		
Start Date	14-May-15	End Date	11-Sep-15
Has Rates and Hours?	No		
Actual Results	Earl Johnson's Dam was repaired in NE 1/4 Section 9 of Mason Township in Murray County to provide flood reduction and erosion/sediment control. The Technical Service was provided by the Southwest Prairie Technical Service Area. The Flood Relief Grant provided 100% cost-share to the landowner so contribution was 0		

Activity Action - E Johnson Embankment Repair			
Practice	378 - Pond for Water Use	Count of Activities	1
Description	Earl Johnson's DR-02 Dam Repair located in Mason Twp NE 1/4 of section 9, Murray County		
Proposed Size / Units	1.94 AC	Lifespan	10 Years
Actual Size/Units	1.94 AC	Installed Date	10-Sep-15
Mapped Activities	1 Point(s)		

Final Indicator for E Johnson Embankment Repair			
Indicator Name	SEDIMENT (TSS)	Value	57.8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Stream		
Final Indicator for E Johnson Embankment Repair			
Indicator Name	SOIL (EST. SAVINGS)	Value	115.6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Stream		
Final Indicator for E Johnson Embankment Repair			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	57.8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Stream		

Grant Activity - Earl Johnson Embankment Small Pond Repair			
Description	Earl Johnson Embankment Small Pond Repair		
Category	AGRICULTURAL PRACTICES		
Start Date	14-May-15	End Date	13-Jul-16
Has Rates and Hours?	No		
Actual Results	Earl Johnson pond located in Mason Township section 9 was damaged due to the 2014 flood. The pond was repaired. The Flood Relief Grant provided 100% cost-share to the landowner so contribution was 0		

Activity Action - Earl Johnson small pond			
Practice	378 - Pond for Water Use	Count of Activities	1
Description	Earl Johnson pond repair		
Proposed Size / Units	1.00 AC	Lifespan	10 Years
Actual Size/Units	1.00 AC	Installed Date	13-Jul-16
Mapped Activities	1 Point(s)		

Final Indicator for Earl Johnson small pond			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	91.16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Stream		

Final Indicator for Earl Johnson small pond			
Indicator Name	SEDIMENT (TSS)	Value	91.16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Stream		

Final Indicator for Earl Johnson small pond			
Indicator Name	SOIL (EST. SAVINGS)	Value	91.16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Stream		

**Grant Activity - FY14 MN Flood Relief Grant Admin**

<b>Description</b>	The Murray SWCD will be doing the administration of the grant which will include eLink reporting		
<b>Category</b>	ADMINISTRATION/COORDINATION		
<b>Start Date</b>	13-Apr-15	<b>End Date</b>	31-Dec-18
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>Administrative Hours- for grant admin, eLink reporting</p> <p>Shelly Lewis-11.02 @31.76/hr=350.00</p> <p>Shelly Lewis-11.02 hrs @ 31.76/hr=\$350.00</p> <p>Shelly Lewis (District Administrator) 21administrative hours @\$30.81/hour=\$647.01, Craig Christensen (Program Manager) 11administrative hours @42.09=462.99</p> <p>Total Expended through December, 2016: \$1,810.00</p> <p>2017 Administration</p> <p>Shelly Lewis District Administrator-9hrs @43.40=\$390.60</p> <p>Total Expended to Date:</p> <p>2200.60</p> <p>Shelly Lewis District Administrator-3hrs @42.52</p> <p>2018 expense=\$105.07</p> <p>total Expended from grant for admin=\$2,305.67</p>		

**Grant Activity - Harvey Larson Basins**

<b>Description</b>	Harvey Larson sediment basins located in Mason township section 27 E1/2		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>	11-Jul-17	<b>End Date</b>	05-Sep-18
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>	<p>Harvey Larson completed his Basin project to store water and release it slowly. The basins halt the advance of gullies, improve water quality by collecting and trapping sediment, and help the farmability of riled cropland. The project was designed and constructed by the NRCS practice standard. The Southwest Prairie Technical Service area provided the technical work.</p>		

Activity Action - Harvey Larson Basins			
Practice	638 - Water and Sediment Control Basin	Count of Activities	5
Description	Harvey Larson 5 basins located in Mason section 27		
Proposed Size / Units	5.00 COUNT	Lifespan	10 Years
Actual Size/Units	5.00 COUNT	Installed Date	8-Nov-18
Mapped Activities	5 Point(s)		

Final Indicator for Harvey Larson Basins			
Indicator Name	SEDIMENT (TSS)	Value	36.19
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	creek		

Final Indicator for Harvey Larson Basins			
Indicator Name	SOIL (EST. SAVINGS)	Value	43.19
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	creek		

Final Indicator for Harvey Larson Basins			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	41.63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	creek		

Activity Action - Harvey Larson Waterway			
Practice	412 - Grassed Waterway and Swales	Count of Activities	2
Description	Harvey Larson 2-waterways located in Mason township section 27		
Proposed Size / Units	1,414.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	1,492.00 LINEAR FEET	Installed Date	20-Aug-18
Mapped Activities	2 Polygon(s)		

Final Indicator for Harvey Larson Waterway			
Indicator Name	SEDIMENT (TSS)	Value	19.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	creek		



Final Indicator for Harvey Larson Waterway			
Indicator Name	SOIL (EST. SAVINGS)	Value	19.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	creek		
Final Indicator for Harvey Larson Waterway			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	22.14
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	creek		
Final Indicator for Harvey Larson Waterway			
Indicator Name	SEDIMENT (TSS)	Value	2.47
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	creek		
Final Indicator for Harvey Larson Waterway			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	2.84
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	creek		
Final Indicator for Harvey Larson Waterway			
Indicator Name	SOIL (EST. SAVINGS)	Value	11.20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	creek		

Grant Activity - Harvey Sas Embankment Repair			
Description	Harvey Sas Embankment Repair		
Category	AGRICULTURAL PRACTICES		
Start Date	14-May-15	End Date	07-Jun-16
Has Rates and Hours?	No		
Actual Results	Harvey Sas' pond located in Moulton section 22 was repaired due to the damage of the 2014 flood. The Southwest Prairie Technical Service provided the Technical for the project. The total project cost was \$52,229.00 of that amount \$31,000.00 ( Flood Recovery), \$21,229.00 (Phase 2 Flood Recovery) The Flood Relief Grant provided 100% cost-share to the landowner so contribution was 0		

Activity Action - Harvey Sas Pond Repair			
Practice	378 - Pond for Water Use	Count of Activities	1
Description	Harvey Sas Pond		
Proposed Size / Units	5.40 AC	Lifespan	10 Years
Actual Size/Units	5.40 AC	Installed Date	7-Jun-16
Mapped Activities	1 Point(s)		

**Final Indicator for Harvey Sas Pond Repair**

Indicator Name	SEDIMENT (TSS)	Value	39.78
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Rock River		

**Final Indicator for Harvey Sas Pond Repair**

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	39.78
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Rock River		

**Final Indicator for Harvey Sas Pond Repair**

Indicator Name	SOIL (EST. SAVINGS)	Value	39.78
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Rock River		

**Grant Activity - Roger Steinman Emergency Spillway Repair**

Description	Roger Steinman Emergency Spillway Repair		
Category	AGRICULTURAL PRACTICES		
Start Date	14-May-15	End Date	11-Jul-17
Has Rates and Hours?	No		
Actual Results	Roger Steinman repaired the Emergency Spillway on his Flood Retention Dam for Gully Erosion located in Chanarambie Township Section 26 NE1/4. The Southwest Prairie Technical Service Area provided the technical work. The Flood Relief Grant provided 100% cost-share to the landowner so contribution was 0		

Activity Action - Roger Steinman Grass Waterway			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description			
Proposed Size / Units	300.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	300.00 LINEAR FEET	Installed Date	11-Jul-17
Mapped Activities	1 Polygon(s)		

#### Final Indicator for Roger Steinman Grass Waterway

Indicator Name	SOIL (EST. SAVINGS)	Value	11.67
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Ditch		

#### Final Indicator for Roger Steinman Grass Waterway

Indicator Name	SEDIMENT (TSS)	Value	11.67
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Ditch		

#### Final Indicator for Roger Steinman Grass Waterway

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	13.42
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Ditch		

## Grant Attachments

Document Name	Document Type	Description
<b>2014 DR-4182 Flood Relief</b>	Grant Agreement	2014 DR-4182 Flood Relief - Murray SWCD
<b>2014 DR-4182 Flood Relief executed</b>	Grant Agreement	2014 DR-4182 Flood Relief - Murray SWCD
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/26/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/19/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/01/2017
<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 - 01/22/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/01/2019

Document Name	Document Type	Description
<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 - 01/23/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/02/2018
<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 - 01/25/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/17/2017
<b>Amendment</b>	Grant	2014 - Minnesota Flood Relief Grant (Murray SWCD)
<b>Final Financial Report</b>	Grant	2014 - Minnesota Flood Relief Grant (Murray SWCD)
<b>Murray Request for Extension of Grant Agreement</b>	Journal	Journal Dated - 09/12/2017
<b>Murray SWCD CY17 eLINK Reporting Needs</b>	Journal	Journal Dated - 02/05/2018
<b>Murray SWCD CY18 eLINK Reporting Needs</b>	Journal	Journal Dated - 03/01/2019
<b>P15-4930 Checklist</b>	Journal	Journal Dated - 02/08/2017
<b>P15-4930 Financial Report</b>	Grant	2014 - Minnesota Flood Relief Grant (Murray SWCD)