



Grant All-Detail Report Disaster Relief 2016

Grant Title - 2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)

Grant ID - P16-3099

Organization - Murray SWCD

Original Awarded Amount	\$133,440.00	Grant Execution Date	9/14/2015
Required Match Amount	\$0.00	Original Grant End Date	12/31/2017
Required Match %	0%	Grant Day To Day Contact	Shelly Lewis
Current Awarded Amount	\$133,440.00	Current End Date	12/31/2019

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$133,016.85	\$133,440.00	\$0.00
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$52,376.25	\$52,376.25	\$0.00
Total	\$185,393.10	\$185,816.25	\$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	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2014 Technical MN Flood Relief Phase 2	Technical/Engineering Assistance	Current State Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)	\$10,000.00	\$10,000.00	10/10/2019	N
Brian Richardson Basins	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)	\$5,889.99	\$5,889.99	9/13/2018	N
Dan Krueger Waterway	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)	\$4,997.51	\$4,997.51	10/10/2019	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Daniel Mihin Waterway	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)	\$2,200.00	\$2,200.00	10/10/2016	N
Flood Relief Grant Phase 2 Administrative	Administration /Coordination	Current State Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)	\$6,688.00	\$7,111.15	12/31/2019	N
Harvey Larson Basins	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)	\$3,687.50	\$3,687.50	11/8/2018	N
Harvey Larson Basins	Agricultural Practices	Other Funds	2014 - Minnesota Flood Relief Grant (Murray SWCD)	\$21,376.25	\$21,376.25	11/8/2018	N
Harvey Larson Basins	Agricultural Practices	Other Funds	Landowner Contribution Larson	\$0.00			Y
Harvey Sas Embankment Repair	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)	\$21,229.00	\$21,229.00	6/7/2016	N
Harvey Sas Embankment Repair	Agricultural Practices	Other Funds	2014 - Minnesota Flood Relief Grant (Murray SWCD)	\$31,000.00	\$31,000.00	6/7/2016	N
Harvey Sas Embankment Repair	Agricultural Practices	Other Funds	Landowner Contribution Sas	\$0.00			Y
Jim Bose Sediment Basins	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)	\$18,601.50	\$18,601.50	1/14/2016	N
Lais Farms, Inc. Sediment Basins	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)	\$15,406.50	\$15,406.50	12/8/2016	N
Leon Gunnink Waterways	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)	\$29,628.75	\$29,628.75	11/14/2019	N
Mathy Swine Waterway	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)	\$11,819.60	\$11,819.60	10/10/2019	N
Robert Ossefoort Grass Waterway	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)	\$2,868.50	\$2,868.50	11/10/2016	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
412 - Grassed Waterway and Swales	1	1	700 LINEAR FEET	700 LINEAR FEET
412 - Grassed Waterway and Swales	2	2	1414 LINEAR FEET	1492 LINEAR FEET

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
638 - Water and Sediment Control Basin	1	1	1.3 AC	1.3 AC
600 - Terrace	1	1	0.11 AC	0.11 AC
412 - Grassed Waterway and Swales	1	1	466 LINEAR FEET	466 LINEAR FEET
638 - Water and Sediment Control Basin	4	4	1270 LINEAR FEET	1270 LINEAR FEET
412 - Grassed Waterway and Swales	1	1	1 AC	1 AC
638 - Water and Sediment Control Basin	4	4	4 COUNT	4 COUNT
638 - Water and Sediment Control Basin	5	5	5 COUNT	5 COUNT
412 - Grassed Waterway and Swales	4	4	6.35 AC	6.35 AC
638 - Water and Sediment Control Basin	2	2	16 COUNT	16 COUNT
412 - Grassed Waterway and Swales	1	1	1.06 AC	1.06 AC

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
BOD 5	35.65	LBS/YR
SEDIMENT (TSS)	746.80	TONS/YR
SOIL (EST. SAVINGS)	860.04	TONS/YR
PHOSPHORUS (EST. REDUCTION)	728.01	LBS/YR

Grant Activity

Grant Activity - 2014 Technical MN Flood Relief Phase 2			
Description	2014 Technical MN Flood Relief Phase 2		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	16-Sep-15	End Date	31-Dec-19
Has Rates and Hours?	No		
Actual Results	<p>DR2-01-District Manager-technical-8hrs@46.61=\$372.88</p> <p>All practices will be designed to USDA NRCS practice standards. The Southwest Prairie Technical Service Area (SWPTSA) has technical approval authority and were paid for the following practices they designed and/or inspected:</p> <p>DR2-02 Jeff Lais-890.96</p> <p>DR2-04 Robert Ossefoort-834.02</p> <p>DR-01 Harvey Sas-1,953.19</p> <p>DR-06 Donald Van Iperen-736.18</p> <p>Miersma-no contract-56.63</p> <p>Crowley-no contract-113.26</p> <p>Total expended through December 2016-\$4,957.12</p> <p>2017 Technical:</p> <p>DR2-02 Lais-474.60</p> <p>DR-05 Larson 755.49</p> <p>Crowley-no contract 286.48</p> <p>Miersma-no contract 338.94</p> <p>2017 total-\$1,855.51</p> <p>Total Expended to Date: \$6,812.63</p> <p>2018:\$1,092.50</p> <p>M Swine-\$778.05</p> <p>D Kreuger-\$314.45</p> <p>Total Expended to Date 12/31/2019-\$10,000.00</p>		

Grant Activity - Brian Richardson Basins			
Description	Brian Richardson Basins		
Category	AGRICULTURAL PRACTICES		
Start Date	11-Aug-16	End Date	05-Sep-17
Has Rates and Hours?	No		
Actual Results	Brian Richardson constructed water and sediment basins to store water and release it slowly. The basins halt the advance of gullies, improve water quality by collecting and trapping sediment, and help improve farmability of riled cropland. The total cost of the project was as follows: \$22,422.15 EQIP-\$16,532.16 Flood recovery phase 2-\$5,889.99		

Activity Action - Brian Richardson Basins			
Practice	638 - Water and Sediment Control Basin	Count of Activities	4
Description	Bryan Richardson Basins located in Shetek township section 25		
Proposed Size / Units	1,270.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	1,270.00 LINEAR FEET	Installed Date	5-Sep-17
Mapped Activities	4 Point(s)		

Final Indicator for Brian Richardson Basins			
Indicator Name	SEDIMENT (TSS)	Value	27
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	creek		

Final Indicator for Brian Richardson Basins			
Indicator Name	SOIL (EST. SAVINGS)	Value	27
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	creek		

Grant Activity - Dan Krueger Waterway			
Description	Dan Krueger Waterway located in Cameron Township Section 34 NW1/4		
Category	AGRICULTURAL PRACTICES		
Start Date	8-Mar-18	End Date	30-Aug-19
Has Rates and Hours?	No		
Actual Results	project not completed due to not being able to find a contractor to construct the waterway. The contractors are all busy due to the 2018 flooding in southwest Minnesota. Dan Krueger completed a Grass Waterway located in Cameron Township Section 34 NW1/4. The Grassed waterway was constructed to control erosion and improve water quality in areas of concentrated excess surface runoff. The SWPTSA provided the technical work. The Flood Relief Grant provided 100% cost-share for the project.		

Activity Action - Dan Krueger			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	Dan Krueger Waterway located in Cameron Twp section 14-NW1/4		
Proposed Size / Units	1.06 AC	Lifespan	10 Years
Actual Size/Units	1.06 AC	Installed Date	30-Aug-19
Mapped Activities	1 Polygon(s)		

Final Indicator for Dan Krueger			
Indicator Name	SEDIMENT (TSS)	Value	31.02
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	unamed stream		

Final Indicator for Dan Krueger			
Indicator Name	SOIL (EST. SAVINGS)	Value	62.04
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	unamed stream		

Final Indicator for Dan Krueger			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	31.02
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	unamed stream		

Grant Activity - Daniel Mihin Waterway			
Description	Daniel Mihin Waterway		
Category	AGRICULTURAL PRACTICES		
Start Date	10-Mar-16	End Date	10-Oct-16
Has Rates and Hours?	No		
Actual Results	Daniel Mihin completed repair on the Grass Waterway located in Lowville Township Section 33 SW,NW The NRCS provided the Technical Service. The waterway which was constructed to control erosion and improve water quality was repaired from the damage of the flood. The Flood Relief grant paid 100% of the project cost		

Activity Action - Daniel Mihin Waterway			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	Grass Waterway		
Proposed Size / Units	1.00 AC	Lifespan	10 Years
Actual Size/Units	1.00 AC	Installed Date	10-Oct-16
Mapped Activities	1 Polygon(s)		

Final Indicator for Daniel Mihin Waterway			
Indicator Name	SEDIMENT (TSS)	Value	3.60
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	ditch		

Final Indicator for Daniel Mihin Waterway			
Indicator Name	SOIL (EST. SAVINGS)	Value	15.86
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	ditch		

Final Indicator for Daniel Mihin Waterway			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	3.60
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	ditch		

Grant Activity - Flood Relief Grant Phase 2 Administrative			
Description	Flood Relief Grant Phase 2 Administrative		
Category	ADMINISTRATION/COORDINATION		
Start Date	16-Sep-15	End Date	31-Dec-19
Has Rates and Hours?	No		
Actual Results	<p>Administrative Hours to complete contracts, eLink reporting are: 2016:</p> <p>Shelly Lewis-12 hrs @31.76=381.12</p> <p>Howard Konkol-15 hrs @ 46.61=699.15</p> <p>2016 funds spent:1080.27</p> <p>2017 Administration:</p> <p>District Technician: 37.5 hrs@25.71/hr=964.12</p> <p>District Administrator-54.5 hrs@43.40/hr=2,365.30</p> <p>2017 funds spend:\$3,329.42</p> <p>Total Funds Expended to Date: \$4,409.69</p> <p>2019 funds spent: \$2,701.46</p> <p>District Administrator -65 hour @44.02/hour</p> <p>Total Funds Expended 12/31/2019-\$7,111.15</p>		

Grant Activity - Harvey Larson Basins			
Description	Harvey Larson sediment basins located in Mason township section 27 E1/2		
Category	AGRICULTURAL PRACTICES		
Start Date	11-Jul-17	End Date	05-Sep-18
Has Rates and Hours?	No		
Actual Results	<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	PHOSPHORUS (EST. REDUCTION)	Value	41.63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	creek		
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		

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	SOIL (EST. SAVINGS)	Value	11.20
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	SEDIMENT (TSS)	Value	2.47
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 - Jim Bose Sediment Basins			
Description	Jim Bose Sediment Basins located in Slayton Township Section 17		
Category	AGRICULTURAL PRACTICES		
Start Date	15-Oct-15	End Date	14-Jan-16
Has Rates and Hours?	No		
Actual Results	Jim Bose #DR2-01- completed 2 sediment basins to store water and release it slowly. In this process, they halt the advance of gullies, improve water quality by collecting and trapping sediment, and help improve the farmability of rilled cropland located in Slayton Township Section 17. The NRCS provided the technical service for the project. The total project cost was \$18,601.50. The Flood Relief grant provided 100% cost-share for the project		

Activity Action - Sediment Basins			
Practice	638 - Water and Sediment Control Basin	Count of Activities	2
Description	2-Water & Sediment Control Basins Located in Slayton Township Section 17-James Bose		
Proposed Size / Units	16.00 COUNT	Lifespan	10 Years
Actual Size/Units	16.00 COUNT	Installed Date	14-Jan-16
Mapped Activities	2 Point(s)		

Final Indicator for Sediment Basins			
Indicator Name	SOIL (EST. SAVINGS)	Value	16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other
Waterbody	Intake Ditch		
Final Indicator for Sediment Basins			
Indicator Name	SEDIMENT (TSS)	Value	2
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	intake ditch		

Grant Activity - Lais Farms, Inc. Sediment Basins			
Description	Lais Farms, Inc. Sediment Basins located in Fenton Township Section 31		
Category	AGRICULTURAL PRACTICES		
Start Date	12-Nov-15	End Date	08-Dec-16
Has Rates and Hours?	No		
Actual Results	Lais Farms located in Fenton Township section 31 SW1/4 completed 4 basins to store water and release it slowly so they halt the advance of gullies and improve water quality by collecting and trapping sediment. The SWPTSA provided the technical work.		

Activity Action - Lais Farms Sediment Basins			
Practice	638 - Water and Sediment Control Basin	Count of Activities	4
Description			
Proposed Size / Units	4.00 COUNT	Lifespan	10 Years
Actual Size/Units	4.00 COUNT	Installed Date	8-Dec-16
Mapped Activities	4 Point(s)		

Final Indicator for Lais Farms Sediment Basins			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	11.66
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	stream		

Final Indicator for Lais Farms Sediment Basins			
Indicator Name	SOIL (EST. SAVINGS)	Value	46.85
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	stream		

Final Indicator for Lais Farms Sediment Basins			
Indicator Name	SEDIMENT (TSS)	Value	10.15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	stream		

Grant Activity - Leon Gunnink Waterways			
Description	Leon Gunnink Waterways located in Moulton Township Section 12 SE		
Category	AGRICULTURAL PRACTICES		
Start Date	16-Apr-19	End Date	14-Nov-19
Has Rates and Hours?	No		
Actual Results	Leon Gunnink constructed 4 Grass Waterways to protect the soil from concentrated flows and reduce gully erosion. The Southwest Prairie Technical Service Area provided the technical work. The practice was constructed by the NRCS standards.		

Activity Action - Leon Gunnink Waterways			
Practice	412 - Grassed Waterway and Swales	Count of Activities	4
Description	Leon Gunnink's 4 waterways located in Moulton Township section 12		
Proposed Size / Units	6.35 AC	Lifespan	10 Years
Actual Size/Units	6.35 AC	Installed Date	28-Aug-19
Mapped Activities	4 Polygon(s)		

Final Indicator for Leon Gunnink Waterways

Indicator Name	SOIL (EST. SAVINGS)	Value	91.80
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Champepadan Creek		

Final Indicator for Leon Gunnink Waterways

Indicator Name	SEDIMENT (TSS)	Value	116.82
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Champepadan creek		

Final Indicator for Leon Gunnink Waterways

Indicator Name	SOIL (EST. SAVINGS)	Value	116.82
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Champepadan creek		

Final Indicator for Leon Gunnink Waterways

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	199.34
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Champepadan Creek		

Final Indicator for Leon Gunnink Waterways

Indicator Name	SEDIMENT (TSS)	Value	57.38
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Champepadan Creek		

Final Indicator for Leon Gunnink Waterways

Indicator Name	SEDIMENT (TSS)	Value	91.80
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Champepadan Creek		

Final Indicator for Leon Gunnink Waterways

Indicator Name	SEDIMENT (TSS)	Value	199.34
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Champepadan		

Final Indicator for Leon Gunnink Waterways			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	91.80
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Champepadan Creek		
Final Indicator for Leon Gunnink Waterways			
Indicator Name	SOIL (EST. SAVINGS)	Value	57.38
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Champepadan Creek		
Final Indicator for Leon Gunnink Waterways			
Indicator Name	SOIL (EST. SAVINGS)	Value	199.34
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Champepadan creek		
Final Indicator for Leon Gunnink Waterways			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	57.38
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Champepadan Creek		
Final Indicator for Leon Gunnink Waterways			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	116.82
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	Champepadan Creek		

Grant Activity - Mathy Swine Waterway			
Description	Mathy Swine Waterway located in Chanarambie Township section 20 NW 1/4		
Category	AGRICULTURAL PRACTICES		
Start Date	12-Oct-17	End Date	13-Aug-19
Has Rates and Hours?	No		
Actual Results	Mathy Swine completed a Grass Waterway located in Chanarambie Township Section 20 NW1/4. The Grassed waterway was constructed to control erosion and improve water quality in areas of concentrated excess surface runoff. The SWPTSA provided the technical work. The Flood Relief Grant provided 100% cost-share for the project. The project was completed to the NRCS Standards.		

Activity Action - Mathy Swine Waterway			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	Mathy Swine grassed waterway located in Chanarambie section 20-NW1/4		
Proposed Size / Units	466.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	466.00 LINEAR FEET	Installed Date	13-Aug-19
Mapped Activities	1 Polygon(s)		

Final Indicator for Mathy Swine Waterway			
Indicator Name	SEDIMENT (TSS)	Value	35.65
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	stream		
Final Indicator for Mathy Swine Waterway			
Indicator Name	SOIL (EST. SAVINGS)	Value	35.65
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	stream		
Final Indicator for Mathy Swine Waterway			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	35.65
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	stream		

Activity Action - Mathy Swine Terrace			
Practice	600 - Terrace	Count of Activities	1
Description	Mathy Swine Terrace		
Proposed Size / Units	0.11 AC	Lifespan	10 Years
Actual Size/Units	0.11 AC	Installed Date	13-Aug-19
Mapped Activities	1 Polygon(s)		

Final Indicator for Mathy Swine Terrace			
Indicator Name	SEDIMENT (TSS)	Value	25.09
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	stream		
Final Indicator for Mathy Swine Terrace			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	25.09
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)

Waterbody	stream		
Final Indicator for Mathy Swine Terrace			
Indicator Name	SOIL (EST. SAVINGS)	Value	25.09
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	stream		

Grant Activity - Robert Ossefoort Grass Waterway			
Description	Robert Ossefoort-Grass Waterway located in Chanarmbie Township Section 20 SW1/4		
Category	AGRICULTURAL PRACTICES		
Start Date	14-Apr-16	End Date	10-Nov-16
Has Rates and Hours?	No		
Actual Results	Robert Ossefoort completed a Grass Waterway located in Chanarambie Township Section 20 SW1/4. The Grassed waterway was constructed to control erosion and improve water quality in areas of concentrated excess surface runoff. The SWPTSA provided the technical work. The Flood Relief Grant provided 100% cost-share for the project.		

Activity Action - Robert Ossefoort Waterway			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	Robert Ossefoort Grass Waterway		
Proposed Size / Units	700.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	700.00 LINEAR FEET	Installed Date	10-Nov-16
Mapped Activities	1 Polygon(s)		

Final Indicator for Robert Ossefoort Waterway			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	13.61
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	stream		

Final Indicator for Robert Ossefoort Waterway			
Indicator Name	SOIL (EST. SAVINGS)	Value	52.79
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	stream		

Final Indicator for Robert Ossefoort Waterway			
Indicator Name	SEDIMENT (TSS)	Value	13.61
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)

Grant Attachments

Document Name	Document Type	Description
2014 DR-4182 Flood Relief Phase 2	Grant Agreement	2014 DR-4182 Flood Relief Phase 2 - Murray SWCD
2014 DR-4182 Flood Relief Phase 2 Amendment EXECUTED	Grant Agreement Amendment	
2014 DR-4182 Flood Relief Phase 2 executed	Grant Agreement	2014 DR-4182 Flood Relief Phase 2 - Murray SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/20/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/01/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/23/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/02/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/05/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/25/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/03/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/12/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/01/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/19/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/23/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/25/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/14/2020
Amendment	Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)
CY16 Murray SWCD eLink Reporting Needs	Journal	Journal Dated - 03/20/2017
FY16 DRAP Phase 2 Financial Report	Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)
Financial Report	Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)
Murray SWCD CY17 eLINK Reporting Needs	Journal	Journal Dated - 02/05/2018
Murray SWCD CY18 eLINK Reporting Needs	Journal	Journal Dated - 03/01/2019
Murray SWCD FY16 DRAP (Phase 2) Extension Amendment Request	Journal	Journal Dated - 09/24/2018
Murray SWCD FY16 DRAP Phase 2 Extension Amenedment 2	Grant Agreement Amendment	

Document Name	Document Type	Description
P16-3099 Checklist	Journal	Journal Dated - 02/08/2017
P16-3099 Financial Report	Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)
P16-3099 Reconciliation B Checklist	Journal	Journal Dated - 12/19/2019
Request to Extend Grant Agreement through Extension	Journal	Journal Dated - 09/12/2017
Technical Bill	Grant	2014 - Minnesota Flood Relief Grant Phase 2 (Murray SWCD)