# Grant All-Detail Report
# Disaster Relief 2016

**Grant Title -** 2014 - Minnesota Flood Relief Grant Phase 2 (Sibley SWCD)
**Grant ID** - P16-1110
**Organization -** Sibley SWCD

| | | | |
|---|---|---|---|
| **Grant Awarded Amount** | **$223,841.00** | **Grant Execution Date** | **10/13/2015** |
| **Required Match Amount** | $0.00 | **Grant End Date** | 12/31/2017 |
| **Required Match %** | 0% | **Grant Day To Day Contact** | Joel Wurscher |

## Budget Summary

| | Budgeted | Spent | Balance Remaining* |
|---|---|---|---|
| Total Grant Amount | $208,094.55 | $205,429.00 | $2,665.55 |
| Total Match Amount | $0.00 | $0.00 | $0.00 |
| Total Other Funds | $39,887.43 | $39,887.43 | $0.00 |
| **Total** | **$247,981.98** | **$245,316.43** | **$2,665.55** |

**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 |
|---|---|---|---|---|---|---|---|
| Administration/Technical | Technical/Engineering Assistance | Current State Grant | 2014 - Minnesota Flood Relief Grant Phase 2 (Sibley SWCD) | $37,636.22 | $34,970.67 | 12/31/2017 | N |
| FR14-4 Rodger Slater | Agricultural Practices | Current State Grant | 2014 - Minnesota Flood Relief Grant Phase 2 (Sibley SWCD) | $12,437.00 | $12,437.00 | 11/14/2017 | N |
| FR14-4 Rodger Slater | Agricultural Practices | Other Funds | 2014 - Minnesota Flood Relief Grant (Sibley SWCD) | $31,063.00 | $31,063.00 | 11/14/2017 | N |

| Activity Name | Activity Category | Source Type | Source Description | Budgeted | Spent | Last Transaction Date | Matching Fund |
|---|---|---|---|---|---|---|---|
| FR14P2-1 William Schwab | Agricultural Practices | Current State Grant | 2014 - Minnesota Flood Relief Grant Phase 2 (Sibley SWCD) | $4,786.13 | $4,786.13 | 6/14/2016 | N |
| FR14P2-10 Verne Schlueter | Streambank or Shoreline Protection | Current State Grant | 2014 - Minnesota Flood Relief Grant Phase 2 (Sibley SWCD) | $26,267.57 | $26,267.57 | 12/12/2017 | N |
| FR14P2-10 Verne Schlueter | Streambank or Shoreline Protection | Other Funds | 2014 - Minnesota Flood Relief Grant Phase 3B (Sibley SWCD) | $8,824.43 | $8,824.43 | 12/12/2017 | N |
| FR14P2-2 Jeff Brazee | Agricultural Practices | Current State Grant | 2014 - Minnesota Flood Relief Grant Phase 2 (Sibley SWCD) | $13,433.63 | $13,433.63 | 1/13/2016 | N |
| FR14P2-3 John Dacey | Agricultural Practices | Current State Grant | 2014 - Minnesota Flood Relief Grant Phase 2 (Sibley SWCD) | $8,500.00 | $8,500.00 | 12/14/2016 | N |
| FR14P2-4 Howard Brinkman | Streambank or Shoreline Protection | Current State Grant | 2014 - Minnesota Flood Relief Grant Phase 2 (Sibley SWCD) | $35,000.00 | $35,000.00 | 12/12/2017 | N |
| FR14P2-5 Duane Kistner | Streambank or Shoreline Protection | Current State Grant | 2014 - Minnesota Flood Relief Grant Phase 2 (Sibley SWCD) | $36,662.00 | $36,662.00 | 12/12/2017 | N |
| FR14P2-6 Jim Carlson | Agricultural Practices | Current State Grant | 2014 - Minnesota Flood Relief Grant Phase 2 (Sibley SWCD) | $6,500.00 | $6,500.00 | 11/14/2017 | N |
| FR14P2-7 Jesse Taralseth | Agricultural Practices | Current State Grant | 2014 - Minnesota Flood Relief Grant Phase 2 (Sibley SWCD) | $3,412.00 | $3,412.00 | 12/14/2016 | N |
| FR14P2-9 Franz Schauer | Agricultural Practices | Current State Grant | 2014 - Minnesota Flood Relief Grant Phase 2 (Sibley SWCD) | $23,460.00 | $23,460.00 | 11/14/2017 | N |

## Activity Details Summary

| Activity Details | Total Action Count | Total Activity Mapped | Proposed Size / Unit | Actual Size / Unit |
|---|---|---|---|---|
| 580 - Streambank and Shoreline Protection | 3 | 3 | 1 COUNT | 1 COUNT |
| 412 - Grassed Waterway and Swales | 1 | 1 | 550 LINEAR FEET | 550 LINEAR FEET |
| 410 - Grade Stabilization Structure | 3 | 3 | 1 COUNT | 1 COUNT |
| 638 - Water and Sediment Control Basin | 5 | 5 | 1 COUNT | 1 COUNT |

## Proposed Activity Indicators

| Activity Name | Indicator Name | Value & Units | Waterbody | Calculation Tool | Comments |
|---|---|---|---|---|---|

## Final Indicators Summary

| Indicator Name | Total Value | Unit |
|---|---|---|
| **SEDIMENT (TSS)** | 365.35 | TONS/YR |
| **PHOSPHORUS (EST. REDUCTION)** | 372.40 | LBS/YR |
| **SOIL (EST. SAVINGS)** | 479.84 | TONS/YR |

## Grant Activity

| Grant Activity - Administration/Technical | | | |
|---|---|---|---|
| **Description** | Time allotted to administration, investigation, engineering and checkout out of practice. | | |
| **Category** | TECHNICAL/ENGINEERING ASSISTANCE | | |
| **Start Date** | 19-Oct-15 | **End Date** | 11-Jan-16 |
| **Has Rates and Hours?** | No | | |
| **Actual Results** | Project FR14P2- 2. M & M Engineering ($1760.00) fees to design and check out construction of gully stabilization project. Time spent by Technician reviewing and looking for funding. 24.75 hours @ $37.85/hour. District Manager reviewing project with M & M Engineering onsite 2.5 hours @ $63.50/hour. District Technician reviewing plans, pre-construction meeting, post-construction checkout and survey. 20 hours @ $26.05/hour. Project FR14P2-1 Technician time spent on site visit, survey, design, pre-construction meeting, construction inspections and post construction checkout. 39 hours @ $28.32/hour and 3 hours @ $37.85/hour. The actual expenditure taken is $3,360.91 knowing this is less. On Project FR14P2-3 the technician spent 72 hours (at $29.71) talking to the landowner, surveying, helping with design, staking, pre-construction documentation and all other work necessary for this project to be completed. Expenditures taken are less than what was accrued. Project FR14P2-7 required 29 hours of technician time to complete this project (29hours @ $29.71/hour). Expenditures taken are less than what was accrued. The total TA taken to date are $7,535.44. 2017 hours used on Projects FR14P2-4, FR14P2-5, FR14P2-6, FR14P2-8, FR14P2-9 were Tech $31.30/hr X 41 hours = $1,283.30, Tech $47.37/hr X 308 hours = $14,589.96, Tech $42.49/hr X 273 hours = $11,561.97 | | |

| Grant Activity - FR14-4 Rodger Slater | | | |
|---|---|---|---|
| **Description** | Repair a grade stabilization structure that was damaged in 2014 flooding. Install a waterway to stop erosion that started with 2014 flooding. | | |
| **Category** | AGRICULTURAL PRACTICES | | |
| **Start Date** | 13-Sep-16 | **End Date** | 08-Nov-17 |
| **Has Rates and Hours?** | No | | |
| **Actual Results** | Repaired a grade stabilization structure that was damaged from flooding in 2014. A 550 foot grass waterway was also constructed to stop erosion that started as a result of the 2014 heavy rains. This project also needed funds from the 2014 Flood Relief Phase 2 Grant (Project # 14P2-8).<br>Total project cost was $43,500.00. | | |

| Activity Action - FR14-4 Rodger Slater | | | |
|---|---|---|---|
| **Practice** | 410 - Grade Stabilization Structure | **Count of Activities** | 1 |
| **Description** | Repaired grade stabilization structure that failed after 2014 heavy rains. | | |
| **Proposed Size / Units** | 1.00 COUNT | **Lifespan** | 15 Years |
| **Actual Size/Units** | 1.00 COUNT | **Installed Date** | 8-Nov-17 |
| **Mapped Activities** | 1 Point(s) | | |

| Final Indicator for FR14-4 Rodger Slater | | | |
|---|---|---|---|
| **Indicator Name** | SEDIMENT (TSS) | **Value** | 11.20 |
| **Indicator Subcategory/Units** | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | **Calculation Tool** | BWSR CALC (GULLY STABILIZATION) |
| **Waterbody** | Minnesota River | | |
| **Final Indicator for FR14-4 Rodger Slater** | | | |
| **Indicator Name** | SOIL (EST. SAVINGS) | **Value** | 22.40 |
| **Indicator Subcategory/Units** | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | **Calculation Tool** | BWSR CALC (GULLY STABILIZATION) |
| **Waterbody** | Minnesota River | | |
| **Final Indicator for FR14-4 Rodger Slater** | | | |
| **Indicator Name** | PHOSPHORUS (EST. REDUCTION) | **Value** | 12.88 |
| **Indicator Subcategory/Units** | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | **Calculation Tool** | BWSR CALC (GULLY STABILIZATION) |
| **Waterbody** | Minnesota River | | |

| Activity Action - FR14-4 Rodger Slater | | | |
|---|---|---|---|
| **Practice** | 412 - Grassed Waterway and Swales | **Count of Activities** | 1 |
| **Description** | Constructed a grass waterway 550 feet long. | | |
| **Proposed Size / Units** | 550.00 LINEAR FEET | **Lifespan** | 15 Years |
| **Actual Size/Units** | 550.00 LINEAR FEET | **Installed Date** | 8-Nov-17 |
| **Mapped Activities** | 1 Polygon(s) | | |

| Final Indicator for FR14-4 Rodger Slater | | | |
|---|---|---|---|
| **Indicator Name** | SOIL (EST. SAVINGS) | **Value** | 16.10 |
| **Indicator Subcategory/Units** | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | **Calculation Tool** | BWSR CALC (GULLY STABILIZATION) |
| **Waterbody** | Minnesota River | | |
| **Final Indicator for FR14-4 Rodger Slater** | | | |
| **Indicator Name** | SEDIMENT (TSS) | **Value** | 8.05 |
| **Indicator Subcategory/Units** | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | **Calculation Tool** | BWSR CALC (GULLY STABILIZATION) |

| | | | |
|---|---|---|---|
| **Waterbody** | Minnesota River | | |
| **Final Indicator for FR14-4 Rodger Slater** | | | |
| **Indicator Name** | PHOSPHORUS (EST. REDUCTION) | **Value** | 9.26 |
| **Indicator Subcategory/Units** | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | **Calculation Tool** | BWSR CALC (GULLY STABILIZATION) |
| **Waterbody** | Minnesota River | | |

| **Grant Activity - FR14P2-1 William Schwab** | | | |
|---|---|---|---|
| **Description** | Repair water and sediment control basin damaged during 2014 June rain event. | | |
| **Category** | AGRICULTURAL PRACTICES | | |
| **Start Date** | 13-Oct-15 | **End Date** | 14-Jun-16 |
| **Has Rates and Hours?** | No | | |
| **Actual Results** | Water and sediment control structure repaired according to the plans developed for the site. | | |

| **Activity Action - FR14P2-1 William Schwab** | | | |
|---|---|---|---|
| **Practice** | 638 - Water and Sediment Control Basin | **Count of Activities** | 1 |
| **Description** | Repaired water and sediment control basin damaged in June 2014 flooding. The technician spent 39 hours @ $28.32/hr and 3 @ $37.85/hr talking to landowner, designing, staking, construction checks etc. on this project. | | |
| **Proposed Size / Units** | 1.00 COUNT | **Lifespan** | 10 Years |
| **Actual Size/Units** | 1.00 COUNT | **Installed Date** | 17-May-16 |
| **Mapped Activities** | 1 Point(s) | | |

| | | | |
|---|---|---|---|
| **Final Indicator for FR14P2-1 William Schwab** | | | |
| **Indicator Name** | PHOSPHORUS (EST. REDUCTION) | **Value** | 18.63 |
| **Indicator Subcategory/Units** | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | **Calculation Tool** | BWSR CALC (SHEET AND RILL) |
| **Waterbody** | Middle MN | | |
| **Final Indicator for FR14P2-1 William Schwab** | | | |
| **Indicator Name** | SEDIMENT (TSS) | **Value** | 11.76 |
| **Indicator Subcategory/Units** | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | **Calculation Tool** | BWSR CALC (SHEET AND RILL) |
| **Waterbody** | Middle MN | | |
| **Final Indicator for FR14P2-1 William Schwab** | | | |
| **Indicator Name** | SOIL (EST. SAVINGS) | **Value** | 46.8 |
| **Indicator Subcategory/Units** | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | **Calculation Tool** | BWSR CALC (SHEET AND RILL) |
| **Waterbody** | Middle MN | | |

| Grant Activity - FR14P2-10 Verne Schlueter | | | |
|---|---|---|---|
| **Description** | Repair a streambank that has eroded from flooding that occurred during the 2014 flood events. | | |
| **Category** | STREAMBANK OR SHORELINE PROTECTION | | |
| **Start Date** | 14-Feb-17 | **End Date** | 01-Dec-17 |
| **Has Rates and Hours?** | No | | |
| **Actual Results** | Repaired streambank erosion that eroded from flooding that occurred in 2012. The bank was re-sloped and then armored with Class IV rock. $26,267.57 was paid out of Flood Relief Phase 2 (FR14P2-10) funds and $8,824.43 was funded with Flood Relief Phase 3 (FR14P3-1). | | |

| Activity Action - FR14P2-10 Verne Schlueter | | | |
|---|---|---|---|
| **Practice** | 580 - Streambank and Shoreline Protection | **Count of Activities** | 1 |
| **Description** | Re-sloped and riprapped eroded strambank from past large rain events. | | |
| **Proposed Size / Units** | 1.00 COUNT | **Lifespan** | 20 Years |
| **Actual Size/Units** | 1.00 COUNT | **Installed Date** | 1-Dec-17 |
| **Mapped Activities** | 1 Line(s) | | |

| Final Indicator for FR14P2-10 Verne Schlueter | | | |
|---|---|---|---|
| **Indicator Name** | SEDIMENT (TSS) | **Value** | 25.03 |
| **Indicator Subcategory/Units** | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | **Calculation Tool** | BWSR CALC (STREAM & DITCH STABILIZATION) |
| **Waterbody** | High Island Creek | | |

| Final Indicator for FR14P2-10 Verne Schlueter | | | |
|---|---|---|---|
| **Indicator Name** | PHOSPHORUS (EST. REDUCTION) | **Value** | 28.79 |
| **Indicator Subcategory/Units** | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | **Calculation Tool** | BWSR CALC (STREAM & DITCH STABILIZATION) |
| **Waterbody** | High Island Creek | | |

| Final Indicator for FR14P2-10 Verne Schlueter | | | |
|---|---|---|---|
| **Indicator Name** | SOIL (EST. SAVINGS) | **Value** | 25.03 |
| **Indicator Subcategory/Units** | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | **Calculation Tool** | BWSR CALC (STREAM & DITCH STABILIZATION) |
| **Waterbody** | High Island Creek | | |

| Grant Activity - FR14P2-2 Jeff Brazee | | | |
|---|---|---|---|
| Description | Repair of damage from down cutting during June 2014 rain event. | | |
| Category | AGRICULTURAL PRACTICES | | |
| Start Date | 10-Nov-15 | End Date | 13-Jan-16 |
| Has Rates and Hours? | No | | |
| Actual Results | Drop structure constructed to repair damage from down cutting during June 2014 rain event. Project FR14P2- 2. . | | |

| Activity Action - FR14P2-2 Jeff Brazee | | | |
|---|---|---|---|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed a grade stabilization structure to stop erosion by driveway and road. M&M Engineering $1760.00, 24.75 technician hours @ $37.85/hr 2.5 manager hours @ $63.50/ hr and 20 technician hours @ $26.05/hr working on this project. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 7-Jan-16 |
| Mapped Activities | 1 Point(s) | | |

| Final Indicator for FR14P2-2 Jeff Brazee | | | |
|---|---|---|---|
| Indicator Name | SEDIMENT (TSS) | Value | 157.5 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |

| Final Indicator for FR14P2-2 Jeff Brazee | | | |
|---|---|---|---|
| Indicator Name | SOIL (EST. SAVINGS) | Value | 157.5 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |

| Final Indicator for FR14P2-2 Jeff Brazee | | | |
|---|---|---|---|
| Indicator Name | PHOSPHORUS (EST. REDUCTION) | Value | 181.13 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |

| Grant Activity - FR14P2-3 John Dacey | | | |
|---|---|---|---|
| Description | WASCOB to be installed to stop erosion that started from during heavy rain events in June 2014. | | |
| Category | AGRICULTURAL PRACTICES | | |
| Start Date | 26-Jan-16 | End Date | 09-Nov-16 |
| Has Rates and Hours? | No | | |
| Actual Results | Installed a water and sediment control basin to control erosion along a gully leading to the High Island Creek | | |

| Activity Action - FR14P2 -3 John Dacey | | | |
|---|---|---|---|
| Practice | 638 - Water and Sediment Control Basin | Count of Activities | 1 |
| Description | Install structure to control erosion along gully. The technician spent 72 hours @ $29.71/hr. The technician spent 72 hours @ $29.71/hr doing site visits, talking to landowner, design, construction checks etc. on this project. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 9-Nov-16 |
| Mapped Activities | 1 Point(s) | | |

| Final Indicator for FR14P2 -3 John Dacey | | | |
|---|---|---|---|
| Indicator Name | SEDIMENT (TSS) | Value | 3.23 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |

| Final Indicator for FR14P2 -3 John Dacey | | | |
|---|---|---|---|
| Indicator Name | PHOSPHORUS (EST. REDUCTION) | Value | 3.23 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |

| Final Indicator for FR14P2 -3 John Dacey | | | |
|---|---|---|---|
| Indicator Name | SOIL (EST. SAVINGS) | Value | 8.5 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |

| Grant Activity - FR14P2-4 Howard Brinkman | | | |
|---|---|---|---|
| **Description** | Project is to correct erosion of stream bank that occurred during heaving rains from June 2014. | | |
| **Category** | STREAMBANK OR SHORELINE PROTECTION | | |
| **Start Date** | 9-Feb-16 | **End Date** | 06-Dec-17 |
| **Has Rates and Hours?** | No | | |
| **Actual Results** | Installed riprap to control erosion of the strambank from past rain events. | | |

| Activity Action - FR14P2-4 Howard Brinkman | | | |
|---|---|---|---|
| **Practice** | 580 - Streambank and Shoreline Protection | **Count of Activities** | 1 |
| **Description** | Repaired the streambank with riprap to stop erosion of bank from high water events. | | |
| **Proposed Size / Units** | 1.00 COUNT | **Lifespan** | 20 Years |
| **Actual Size/Units** | 1.00 COUNT | **Installed Date** | 6-Dec-17 |
| **Mapped Activities** | 1 Line(s) | | |

| Final Indicator for FR14P2-4 Howard Brinkman | | | |
|---|---|---|---|
| **Indicator Name** | SOIL (EST. SAVINGS) | **Value** | 44.8 |
| **Indicator Subcategory/Units** | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | **Calculation Tool** | BWSR CALC (STREAM & DITCH STABILIZATION) |
| **Waterbody** | High Island Creek | | |

| Final Indicator for FR14P2-4 Howard Brinkman | | | |
|---|---|---|---|
| **Indicator Name** | SEDIMENT (TSS) | **Value** | 44.80 |
| **Indicator Subcategory/Units** | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | **Calculation Tool** | BWSR CALC (STREAM & DITCH STABILIZATION) |
| **Waterbody** | High Island Creek | | |

| Grant Activity - FR14P2-5 Duane Kistner | | | |
|---|---|---|---|
| Description | Project is to correct erosion of stream bank that occurred during heaving rains from June 2014. | | |
| Category | STREAMBANK OR SHORELINE PROTECTION | | |
| Start Date | 9-Feb-16 | End Date | 01-Dec-17 |
| Has Rates and Hours? | No | | |
| Actual Results | Installed riprap and re-sloped streambank to stop erosion from past excessive rain events. | | |

| Activity Action - FR14P2-5 Duane Kistner | | | |
|---|---|---|---|
| Practice | 580 - Streambank and Shoreline Protection | Count of Activities | 1 |
| Description | Repaired streambank with ripap and re-sloping from excessive past rain events. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 20 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 1-Dec-17 |
| Mapped Activities | 1 Line(s) | | |

| Final Indicator for FR14P2-5 Duane Kistner | | | |
|---|---|---|---|
| Indicator Name | PHOSPHORUS (EST. REDUCTION) | Value | 67.51 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | Calculation Tool | BWSR CALC (STREAM & DITCH STABILIZATION) |
| Waterbody | High Island Creek | | |

| Final Indicator for FR14P2-5 Duane Kistner | | | |
|---|---|---|---|
| Indicator Name | SOIL (EST. SAVINGS) | Value | 58.71 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | BWSR CALC (STREAM & DITCH STABILIZATION) |
| Waterbody | High Island Creek | | |

| Final Indicator for FR14P2-5 Duane Kistner | | | |
|---|---|---|---|
| Indicator Name | SEDIMENT (TSS) | Value | 58.71 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | BWSR CALC (STREAM & DITCH STABILIZATION) |
| Waterbody | High Island Creek | | |

| Grant Activity - FR14P2-6 Jim Carlson | | | |
|---|---|---|---|
| Description | Install a water and sediment control structure to control erosion that began with the heavy rains from June 2014. | | |
| Category | AGRICULTURAL PRACTICES | | |
| Start Date | 12-Jul-16 | End Date | 10-Nov-17 |
| Has Rates and Hours? | No | | |
| Actual Results | Installed a WASCOB to stop erosion from erosion that started from the heavy rains and flooding in 2012. | | |

| Activity Action - FR14P2-6 Jim Carlson | | | |
|---|---|---|---|
| Practice | 638 - Water and Sediment Control Basin | Count of Activities | 1 |
| Description | Install a WASCOB to control erosion from excessive moisture in June 2014. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 15 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 10-Nov-17 |
| Mapped Activities | 1 Point(s) | | |

| Final Indicator for FR14P2-6 Jim Carlson | | | |
|---|---|---|---|
| Indicator Name | SOIL (EST. SAVINGS) | Value | 36.75 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |

| Final Indicator for FR14P2-6 Jim Carlson | | | |
|---|---|---|---|
| Indicator Name | SEDIMENT (TSS) | Value | 18.38 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |

| Final Indicator for FR14P2-6 Jim Carlson | | | |
|---|---|---|---|
| Indicator Name | PHOSPHORUS (EST. REDUCTION) | Value | 21.13 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |

| Grant Activity - FR14P2-7 Jesse Taralseth | | | |
|---|---|---|---|
| Description | Install a water and sediment control structure to control erosion that began with the heavy rains from June 2014. | | |
| Category | AGRICULTURAL PRACTICES | | |
| Start Date | 10-Aug-16 | End Date | 04-Nov-16 |
| Has Rates and Hours? | No | | |
| Actual Results | Installed a water and sediment control basin to control erosion from heavy rain events. | | |

| Activity Action - FR14P2-7 Jesse Taralseth | | | |
|---|---|---|---|
| Practice | 638 - Water and Sediment Control Basin | Count of Activities | 1 |
| Description | Installed a water and sediment control basin to curb erosion from heavy rains. The technician spent 29 hours @ $29.71/ hr on site visits, designs, talking to landowner, construction checks, etc. on this project. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 4-Nov-16 |
| Mapped Activities | 1 Point(s) | | |

| Final Indicator for FR14P2-7 Jesse Taralseth | | | |
|---|---|---|---|
| Indicator Name | SOIL (EST. SAVINGS) | Value | 21.25 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |
| **Final Indicator for FR14P2-7 Jesse Taralseth** | | | |
| Indicator Name | PHOSPHORUS (EST. REDUCTION) | Value | 5.69 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |
| **Final Indicator for FR14P2-7 Jesse Taralseth** | | | |
| Indicator Name | SEDIMENT (TSS) | Value | 5.69 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |

| Grant Activity - FR14P2-9 Franz Schauer | | | |
|---|---|---|---|
| Description | Repair a damaged WASCOB and a grade stabilization structure damaged from heavy rains and flooding in 2014. | | |
| Category | AGRICULTURAL PRACTICES | | |
| Start Date | 11-Oct-16 | End Date | 24-Oct-17 |
| Has Rates and Hours? | No | | |
| Actual Results | Repaired a water and sediment control basin. Also repaired a grade stabilization structure. Both were damaged from excessive rains in 2014. | | |

| Activity Action - FR14P2-9 Franz Schauer | | | |
|---|---|---|---|
| Practice | 638 - Water and Sediment Control Basin | Count of Activities | 1 |
| Description | Repaired a water and sediment control basin. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 24-Oct-17 |
| Mapped Activities | 1 Point(s) | | |

| Final Indicator for FR14P2-9 Franz Schauer | | | |
|---|---|---|---|
| Indicator Name | SOIL (EST. SAVINGS) | Value | 8 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |
| **Final Indicator for FR14P2-9 Franz Schauer** | | | |
| Indicator Name | PHOSPHORUS (EST. REDUCTION) | Value | 5 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |
| **Final Indicator for FR14P2-9 Franz Schauer** | | | |
| Indicator Name | SEDIMENT (TSS) | Value | 4 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |

| Activity Action - FR14P2-9 | | | |
|---|---|---|---|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Repaired a damaged grade stabilization structure. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 24-Oct-17 |
| Mapped Activities | 1 Point(s) | | |

| Final Indicator for FR14P2-9 | | | |
|---|---|---|---|
| Indicator Name | SEDIMENT (TSS) | Value | 17 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |
| Final Indicator for FR14P2-9 | | | |
| Indicator Name | SOIL (EST. SAVINGS) | Value | 34 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |
| Final Indicator for FR14P2-9 | | | |
| Indicator Name | PHOSPHORUS (EST. REDUCTION) | Value | 19.15 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | Calculation Tool | BWSR CALC (GULLY STABILIZATION) |
| Waterbody | Minnesota River | | |

## Grant Attachments

| Document Name | Document Type | Description |
|---|---|---|
| **2014 DR-4182 Flood Relief Phase 2** | Grant Agreement | 2014 DR-4182 Flood Relief Phase 2 - Sibley SWCD |
| **2014 DR-4182 Flood Relief Phase 2 executed** | Grant Agreement | 2014 DR-4182 Flood Relief Phase 2 - Sibley SWCD |
| **All Details Report** | Workflow Generated | Workflow Generated - All Details Report - 03/21/2016 |
| **All Details Report** | Workflow Generated | Workflow Generated - All Details Report - 01/25/2017 |
| **All Details Report** | Workflow Generated | Workflow Generated - All Details Report - 04/10/2017 |
| **All Details Report** | Workflow Generated | Workflow Generated - All Details Report - 04/10/2017 |
| **All Details Report** | Workflow Generated | Workflow Generated - All Details Report - 05/02/2017 |
| **All Details Report** | Workflow Generated | Workflow Generated - All Details Report - 03/27/2018 |
| **All Details Report** | Workflow Generated | Workflow Generated - All Details Report - 02/12/2016 |
| **All Details Report** | Workflow Generated | Workflow Generated - All Details Report - 01/13/2016 |
| **All Details Report** | Workflow Generated | Workflow Generated - All Details Report - 05/02/2017 |

| Document Name | Document Type | Description |
|---|---|---|
| **All Details Report** | Workflow Generated | Workflow Generated - All Details Report - 03/27/2018 |
| **All Details Report** | Workflow Generated | Workflow Generated - All Details Report - 03/27/2018 |
| **All Details Report** | Workflow Generated | Workflow Generated - All Details Report - 01/23/2018 |
| **Amendment** | Grant | 2014 - Minnesota Flood Relief Grant Phase 2 (Sibley SWCD) |
| **ExtensionRequest_Sibley** | Grant | 2014 - Minnesota Flood Relief Grant Phase 2 (Sibley SWCD) |
| **Financial Report** | Grant | 2014 - Minnesota Flood Relief Grant Phase 2 (Sibley SWCD) |
| **Needs Justification** | Grant | 2014 - Minnesota Flood Relief Grant Phase 2 (Sibley SWCD) |
| **P16-1110 Checklist** | Journal | Journal Dated - 07/14/2017 |