



Grant All-Detail Report Multipurpose Drainage Management 2016

Grant Title - 2016 Red Lake County Multipurpose Drainage Management Grant

Grant ID - C16-6387

Organization - Red Lake SWCD

| | | | |
|-------------------------|---------------------|--------------------------|-----------------|
| Original Awarded Amount | \$102,020.00 | Grant Execution Date | 3/9/2016 |
| Required Match Amount | \$25,505.00 | Original Grant End Date | 12/31/2018 |
| Required Match % | 25% | Grant Day To Day Contact | Tanya Waldo |
| Current Awarded Amount | \$102,020.00 | Current End Date | 12/31/2018 |

Budget Summary

| | Budgeted | Spent | Balance Remaining* |
|--------------------|---------------------|--------------------|--------------------|
| Total Grant Amount | \$102,020.00 | \$70,930.99 | \$31,089.01 |
| Total Match Amount | \$25,505.00 | \$22,793.72 | \$2,711.28 |
| Total Other Funds | \$0.00 | \$0.00 | \$0.00 |
| Total | \$127,525.00 | \$93,724.71 | \$33,800.29 |

*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 / Coordination | Administration /Coordination | Current State Grant | 2016 Red Lake County Multipurpose Drainage Management Grant | \$4,440.00 | \$4,940.34 | 12/31/2020 | N |
| Administration / Coordination | Administration /Coordination | Local Fund | Red Lake Watershed District, County, and SWCD Contributions | \$1,110.00 | | | Y |

| Activity Name | Activity Category | Source Type | Source Description | Budgeted | Spent | Last Transaction Date | Matching Fund |
|------------------------------------|----------------------------------|---------------------|--|-------------|-------------|-----------------------|---------------|
| Agricultural Practices | Agricultural Practices | Current State Grant | 2016 Red Lake County Multipurpose Drainage Management Grant | \$84,000.00 | \$49,196.15 | 11/16/2020 | N |
| Agricultural Practices | Agricultural Practices | Local Fund | Red Lake Watershed District, Landowner, County, and SWCD Contributions | \$21,000.00 | \$21,498.72 | 11/16/2020 | Y |
| Project Development | Project Development | Current State Grant | 2016 Red Lake County Multipurpose Drainage Management Grant | \$5,180.00 | \$8,400.75 | 12/31/2020 | N |
| Project Development | Project Development | Local Fund | Red Lake Watershed District, County, and SWCD Contribution | \$1,295.00 | \$1,295.00 | 12/31/2019 | Y |
| Technical & Engineering Assistance | Technical/Engineering Assistance | Current State Grant | 2016 Red Lake County Multipurpose Drainage Management Grant | \$8,400.00 | \$8,393.75 | 11/30/2020 | N |
| Technical & Engineering Assistance | Technical/Engineering Assistance | Local Fund | Red Lake Watershed District, County, and SWCD Contributions | \$2,100.00 | | | Y |

Activity Details Summary

| Activity Details | Total Action Count | Total Activity Mapped | Proposed Size / Unit | Actual Size / Unit |
|-------------------------------------|--------------------|-----------------------|----------------------|--------------------|
| 410 - Grade Stabilization Structure | 7 | 7 | 7 COUNT | 7 COUNT |
| 410 - Grade Stabilization Structure | 4 | 4 | 4 COUNT | 4 COUNT |
| 410 - Grade Stabilization Structure | 27 | 27 | 1 COUNT | 1 COUNT |
| 410 - Grade Stabilization Structure | 6 | 6 | 6 COUNT | 6 COUNT |

Proposed Activity Indicators

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

| Activity Name | Indicator Name | Value & Units | Waterbody | Calculation Tool | Comments |
|-------------------------------|----------------|---------------|----------------|----------------------------|----------|
| Agricultural Practices | SEDIMENT (TSS) | 740 TONS/YR | Red Lake River | BWSR CALC (SHEET AND RILL) | |

Final Indicators Summary

| Indicator Name | Total Value | Unit |
|-----------------------|-------------|---------|
| SEDIMENT (TSS) | 800.00 | TONS/YR |

Grant Activity

| Grant Activity - Administration / Coordination | |
|--|---|
| Description | <p>The District Manager will be responsible for ensuring Compliance with the FY16 CWF Policy and BWSR's Administration Manual.</p> <p>Other administrative duties include: contractual requirements, time and expenditure tracking, financial responsibilities, reporting requirements, and meeting the grant expiration deadline.</p> <p>Project administration includes developing a partnership with the Landowner, the Red River Valley Conservation Service Area Engineer, County Ditch Authority, and the SWCD Staff.</p> |
| Category | ADMINISTRATION/COORDINATION |
| Start Date | 9-Mar-16 |
| End Date | |
| Has Rates and Hours? | Yes |
| Actual Results | The District Manager made sure compliance with the FY 2016 BWSR Clean Water Fund Policy and the BWSR's Grant Administration Manual was met. Contractual requirements, time and expenditure tracking, financial responsibilities, reporting requirements, and meeting the grant expiration deadline were all met. |

Grant Activity - Agricultural Practices

| | | |
|-----------------------------|---|-----------------|
| Description | <p>Installation of Multipurpose Drainage Management (MDM) practices on the thirty-seven JCD 60.</p> <p>These MDM practices will include: Grade Stabilization Structures (410), Grassed Waterways (412), and Water & Sediment Basins (638) with Subsurface Drain (606) as a complimentary practice for the 410 and 638 practices. All practices will be installed according to the NRCS Field Office Technical Guide.</p> <p>The thirty-seven proposed installed practices results in the following soil loss reduction number for Sediment (TSS) at 740 tons/yr., which will protect and preserve the resource value of soil on the land and reduce sediment loading to the Red Lake River.</p> <p>On 6/15/2020, Red Lake County SWCD made an amendment request to BWSR for the 2016 Red Lake County Multipurpose Drainage Management Grant (C16-6387). The current status of the grant is that we have completed 34 of the 37 proposed projects. We have spent \$51,276.09 . There are an additional five projects that have been identified by the SWCD staff and County Ditch Authority along JCD 60 that will be surveyed, design, and constructed in 2020. The cost estimate for these projects is \$10,000.00. The remaining budget is \$40,743.91.</p> <p>Red Lake County would like to target County Ditch 62 and County Ditch 69. Both of these ditch systems contribute sediment directly into the Red Lake River. The Red Lake River is impaired for TSS. The river system benefits drinking water, recreational uses, and fish and wildlife habitat. The Red Lake River is a priority in the Red Lake River 1W1P; the river system is the 4th closest to restoration. These ditch systems were also identified in the Red Lake County SWCD Drainage Ditch Inventory and Inspection grant.</p> | |
| Category | AGRICULTURAL PRACTICES | |
| Start Date | 9-Mar-16 | End Date |
| Has Rates and Hours? | No | |
| Actual Results | <p>In 2018, a project was completed in Wylie and Louisville Townships. There were a total of 27 Side Water Inlet Structures installed. The total cost of the project was \$35,145.87 (the 2016 MDM CWF C16-6387 Grant covered 75% at \$26,359.40, 2016 MARC&D Ecofootprint Grant (Local Match) cover \$8,786.47 for the remaining local required match.</p> <p>In 2019, there were seven additional MDM practices installed along JCD 60.</p> | |

There was a one-year extension requested to BWSR that was approved by BWSR on 11/21/2018.

| Activity Action - JCD 60 - 66 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 66 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 10 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 67 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 67 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 10 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 68 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 68 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 10 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 71 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 71 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 10 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 72 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 72 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 10 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |

| | |
|------------------|--------|
| Waterbody | JCD 60 |
|------------------|--------|

| Activity Action - JCD 60 - 73 MDM Project | | | |
|---|--|--------------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 73 MDM Project | | | |
|---|---|-------------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 10 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 74 MDM Project | | | |
|---|--|--------------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 74 MDM Project | | | |
|---|---|-------------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 10 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 76 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 76 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 10 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 78 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 78 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 15 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 79 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 79 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 15 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |

| | |
|------------------|--------|
| Waterbody | JCD 60 |
|------------------|--------|

| Activity Action - JCD 60 - 80 MDM Project | | | |
|---|--|--------------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 80 MDM Project | | | |
|---|---|-------------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 15 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 81 MDM Project | | | |
|---|--|--------------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 81 MDM Project | | | |
|---|---|-------------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 15 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 82 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 82 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 15 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 83 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 83 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 15 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 84 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 84 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 15 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |

| | |
|------------------|--------|
| Waterbody | JCD 60 |
|------------------|--------|

| Activity Action - JCD 60 - 85 MDM Project | | | |
|---|--|--------------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 85 MDM Project | | | |
|---|---|-------------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 15 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 86 MDM Project | | | |
|---|--|--------------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 86 MDM Project | | | |
|---|---|-------------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 15 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 88 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 88 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 15 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 89 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 89 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 35 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 11 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 11 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 15 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |

| | |
|------------------|--------|
| Waterbody | JCD 60 |
|------------------|--------|

| Activity Action - JCD 60 - 19 MDM Project | | | |
|---|--|--------------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 19 MDM Project | | | |
|---|---|-------------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 15 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 51 MDM Project | | | |
|---|--|--------------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 51 MDM Project | | | |
|---|---|-------------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 15 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 87 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 87 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 15 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 53 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 53 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 10 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 54 MDM Project | | | |
|---|--|-------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 54 MDM Project | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 20 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |

| | |
|------------------|--------|
| Waterbody | JCD 60 |
|------------------|--------|

| Activity Action - JCD 60 - 55 MDM Project | | | |
|---|--|--------------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 55 MDM Project | | | |
|---|---|-------------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 20 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - JCD 60 - 56 MDM Project | | | |
|---|--|--------------------------------------|----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 1 |
| Description | Installed Side Water Inlet Structure with 10' x 15' seeded area in front of inlet. | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 1.00 COUNT | Installed Date | 8-Nov-18 |
| Mapped Activities | 1 Point(s) | Technical Assistance Provider | |

| Final Indicator for JCD 60 - 56 MDM Project | | | |
|---|---|-------------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 25 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - 2016 MDM Practices - 2019 - 7 sites | | | |
|---|--|-------------------------------|-----------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 7 |
| Description | Installed 7 SWIs along JCD 60 in 2019. | | |
| Proposed Size / Units | 7.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 7.00 COUNT | Installed Date | 20-Nov-19 |
| Mapped Activities | 7 Point(s) | Technical Assistance Provider | |

| Final Indicator for 2016 MDM Practices - 2019 - 7 sites | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 250 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - 2016 MDM JCD60 Practices - 2020 - 6 sites | | | |
|---|---|-------------------------------|--------------------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 6 |
| Description | Installation of 4 new SWIs and repairs to two existing SWIs | | |
| Proposed Size / Units | 6.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 6.00 COUNT | Installed Date | 11-Nov-20 |
| Mapped Activities | 6 Point(s) | Technical Assistance Provider | Private Consultant |

| Final Indicator for 2016 MDM JCD60 Practices - 2020 - 6 sites | | | |
|---|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 90 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |
| Waterbody | JCD 60 | | |

| Activity Action - 2016 MDM CD69 Practices - 2020 - 4 sites | | | |
|--|-------------------------------------|-------------------------------|--------------------|
| Practice | 410 - Grade Stabilization Structure | Count of Activities | 4 |
| Description | Installation of 4 SWIs | | |
| Proposed Size / Units | 4.00 COUNT | Lifespan | 10 Years |
| Actual Size/Units | 4.00 COUNT | Installed Date | 11-Nov-20 |
| Mapped Activities | 4 Point(s) | Technical Assistance Provider | Private Consultant |

| Final Indicator for 2016 MDM CD69 Practices - 2020 - 4 sites | | | |
|--|---|------------------|------------------|
| Indicator Name | SEDIMENT (TSS) | Value | 60 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | RUSLE2 (UPDATED) |

Grant Activity - Project Development

| | | | |
|-----------------------------|--|-----------------|--|
| Description | <p>A formal contract will be entered into and signed by Red Lake County (Ditch Authority) to implement the project. Red Lake County (Ditch Authority) has authority over JCD 60 and is responsible for the maintenance of JCD 60.</p> <p>If a practice is installed on the landowners property, a contract between Red Lake County SWCD and the landowner will be entered into and the landowner will be responsible for the operation and maintenance of that installed practice.</p> <p>The District Manager will be responsible for collaborative efforts with the thirty-seven landowners involved, Red River Valley Conservation Service Area (RRVCSA) Engineer, County Ditch Authority, and other SWCD Staff for on-site field visit.</p> <p>SWCD Staff plan to complete some of the required survey work.</p> <p>SWCD Staff will be responsible to schedule any survey work needed and review of project designs with the RRVCSA Engineer.</p> <p>The District Manager will inform the Red Lake County Ditch Authority on the project's process (contract, review of preliminary and final designs, bidding process, reimbursement voucher, etc.).</p> <p>Outside funding sources, other than ditch maintenance funds, are being pursued to meet the 25% local match requirement for the MDM grant.</p> | | |
| Category | PROJECT DEVELOPMENT | | |
| Start Date | 9-Mar-16 | End Date | |
| Has Rates and Hours? | Yes | | |
| Actual Results | <p>Develop a partnership between the landowner, Red River Valley Conservation Service Area (RRVCSA) Engineer and Technician, Red Lake County Ditch Authority, and the SWCD District staff.</p> <p>Schedule with RRVCSA Technician for surveying each project site. Scheduled with Red Lake County Ditch Authority, Contractor, and SWCD Staff, a meeting to review preliminary and final designs.</p> <p>The District Technician was responsible for contacting each landowner. The District Manager assisted the County through the project's process (contract, preliminary design and final design review, bidding process, reimbursement voucher, etc.).</p> | | |

Grant Activity - Technical & Engineering Assistance

| | | | |
|-----------------------------|---|-----------------|--|
| Description | <p>Technical and Engineering Assistance will be provided by the SWCD staff and the Red River Valley Conservation Service Area Engineer.</p> <p>Practices must be planned and installed in accordance with technical standards and specifications of the NRCS Field Office Technical Guide.</p> <p>The Red Lake County Ditch Authority and the landowner will be provided a copy of the preliminary design, the final design, Construction Specifications, O & M, reimbursement voucher, etc.</p> | | |
| Category | TECHNICAL/ENGINEERING ASSISTANCE | | |
| Start Date | 9-Mar-16 | End Date | |
| Has Rates and Hours? | Yes | | |
| Actual Results | <p>The Red River Valley Conservation Service Area Technician and the SWCD Technician surveyed and designed each project.</p> <p>The SWCD Technician contacted each landowner. The District Manager met with the Red Lake County Ditch Authority to review the preliminary project designs.</p> <p>The final designs were completed and the projects were put out on bids. The SWCD Board was responsible for accepting/approving the project bid.</p> <p>Jim Hest, RRVCSA Engineer assisted the contractors with construction. A Final Construction Inspection was completed by the RRVCSA Engineer.</p> <p>In 2019, the SWCD Technician and the Red Lake County Highway Engineer surveyed and designed the seven SWIs along JCD60.</p> <p>The Practices were planned and installed in accordance with technical standards and specifications of the NRCS Field Office Technical Guide.</p> | | |

Red Lake County Ditch Authority was provided a copy of the preliminary design, the final design, Construction Specifications, O & M, reimbursement voucher, etc.

Grant Attachments

| Document Name | Document Type | Description |
|---|---------------------------|---|
| 2016 MDM Final Financial Report | Grant | 2016 Red Lake County Multipurpose Drainage Management Grant |
| 2016 MDM Financial Report | Grant | 2016 Red Lake County Multipurpose Drainage Management Grant |
| 2016 MDM Grant - Financial Report | Grant | 2016 Red Lake County Multipurpose Drainage Management Grant |
| 2016 Multipurpose Drainage amendment EXECUTED | Grant Agreement Amendment | |
| 2016 Multipurpose Drainage Management | Grant Agreement | 2016 Multipurpose Drainage Management - Red Lake SWCD |
| 2016 Multipurpose Drainage Management executed | Grant Agreement | 2016 Multipurpose Drainage Management - Red Lake SWCD |
| 2016 Multipurpose Dranage Amendment EXECUTED | Grant Agreement Amendment | |
| 2016 Multipurpose Dranage Amendment EXECUTED | Grant Agreement Amendment | |
| 2020 Unexecuted Grant Amendment | Grant Agreement Amendment | |
| 6/16/2020 Amendment Request | Grant Agreement Amendment | |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 01/26/2021 |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 11/29/2018 |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 01/08/2020 |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 01/08/2020 |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 01/23/2017 |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 03/10/2017 |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 11/06/2017 |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 12/31/2019 |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 01/24/2019 |

| Document Name | Document Type | Description |
|---|------------------------------|---|
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 02/09/2018 |
| Application | Workflow Generated | Workflow Generated - Application - 10/26/2015 |
| Extension Request | Grant Agreement Amendment | |
| Extension Request #2 | Grant Agreement Amendment | |
| Funds Returned to BWSR Report | Grant | 2016 Red Lake County Multipurpose Drainage Management Grant |
| Judicial County Ditch 60 - Stream Power Index Map | Grant | 2016 Red Lake County Multipurpose Drainage Management Grant |
| Red Lake County Ditch Authority - Letter of Intent | Grant | 2016 Red Lake County Multipurpose Drainage Management Grant |
| Unexecuted Grant Amendment | Grant Agreement Amendment | |
| Unexecuted Grant Amendment #2 | Grant Agreement Amendment | |
| Work Plan | Workflow Generated | Workflow Generated - Work Plan - 12/17/2015 |
| Work Plan | Workflow Generated | Workflow Generated - Work Plan - 02/12/2016 |
| Work Plan | Workflow Generated | Workflow Generated - Work Plan - 02/17/2016 |
| Work Plan | Workflow Generated | Workflow Generated - Work Plan - 06/17/2020 |
| Work Plan | Workflow Generated | Workflow Generated - Work Plan - 01/26/2016 |
| grantmap_15507_2015-10-21_04-14-13-PM.jpg | Grant | 2016 Red Lake County Multipurpose Drainage Management Grant |