



Grant All-Detail Report SWCD Local Capacity Services 2016

Grant Title - 2016 - SWCD Local Capacity Services (Hubbard SWCD)

Grant ID - P16-8826

Organization - Hubbard SWCD

| | | | |
|------------------------------|---------------------|---------------------------------|-----------------------|
| Grant Awarded Amount | \$115,337.00 | Grant Execution Date | 2/16/2016 |
| Required Match Amount | \$0.00 | Grant End Date | 12/31/2018 |
| Required Match % | 0% | Grant Day To Day Contact | Julie Kingsley |

Budget Summary

| | Budgeted | Spent | Balance Remaining* |
|--------------------|---------------------|--------------------|--------------------|
| Total Grant Amount | \$115,337.00 | \$92,464.87 | \$22,872.13 |
| Total Match Amount | \$0.00 | \$0.00 | \$0.00 |
| Total Other Funds | \$0.00 | \$0.00 | \$0.00 |
| Total | \$115,337.00 | \$92,464.87 | \$22,872.13 |

*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 |
|---|------------------------------------|---------------------|--|-------------|-------------|-----------------------|---------------|
| Excess Nutrient - 2016 shared Irrigation Scheduler position with Hubbard, Wadena & E.Ottertail | Technical/Engineering Assistance | Current State Grant | 2016 - SWCD Local Capacity Services (Hubbard SWCD) | \$5,000.00 | \$5,000.00 | 4/13/2016 | N |
| Riparian Zone Management - 2016 Cost Share funding for shoreland protection and erosion control | Streambank or Shoreline Protection | Current State Grant | 2016 - SWCD Local Capacity Services (Hubbard SWCD) | \$10,377.00 | \$10,377.00 | 4/11/2017 | N |
| Riparian Zone Management - 2016 Equipment | Supplies/Equipment | Current State Grant | 2016 - SWCD Local Capacity Services (Hubbard SWCD) | \$11,500.00 | \$7,436.93 | 12/7/2017 | N |

| Activity Name | Activity Category | Source Type | Source Description | Budgeted | Spent | Last Transaction Date | Matching Fund |
|--|----------------------------------|---------------------|--|-------------|-------------|-----------------------|---------------|
| Riparian Zone Management - 2016 Geologic Atlas | Inventory/Mapping | Current State Grant | 2016 - SWCD Local Capacity Services (Hubbard SWCD) | \$3,000.00 | \$2,690.67 | 12/28/2016 | N |
| Riparian Zone Management - 2016 Hydrolab equipment purchase | Monitoring/Data Collection | Current State Grant | 2016 - SWCD Local Capacity Services (Hubbard SWCD) | \$12,000.00 | \$1,456.84 | 12/28/2016 | N |
| Riparian Zone Management 2016 new Technician position | Technical/Engineering Assistance | Current State Grant | 2016 - SWCD Local Capacity Services (Hubbard SWCD) | \$57,000.00 | \$57,000.00 | 12/29/2017 | N |
| Soil Erosion - 2016 increased office rent | Administration/Coordination | Current State Grant | 2016 - SWCD Local Capacity Services (Hubbard SWCD) | \$12,960.00 | \$5,996.92 | 12/29/2017 | N |
| Soil Erosion - 2016 shared grant match for Pollinator and tree plantings in irrigation corners | Wind Erosion | Current State Grant | 2016 - SWCD Local Capacity Services (Hubbard SWCD) | \$3,500.00 | \$2,506.51 | 10/30/2017 | N |

Activity Details Summary

| Activity Details | Total Action Count | Total Activity Mapped | Proposed Size / Unit | Actual Size / Unit |
|---|--------------------|-----------------------|----------------------|--------------------|
| 580 - Streambank and Shoreline Protection | 1 | 1 | 200 LINEAR FEET | 150 LINEAR FEET |

Proposed Activity Indicators

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

Final Indicators Summary

| Indicator Name | Total Value | Unit |
|------------------------------|-------------|---------|
| Total Suspended Solids (TSS) | 6.80 | Mg/L |
| PHOSPHORUS (EST. REDUCTION) | 5.78 | LBS/YR |
| SOIL (EST. SAVINGS) | 6.80 | TONS/YR |

Grant Activity

Grant Activity - Excess Nutrient - 2016 shared Irrigation Scheduler position with Hubbard, Wadena & E.Ottertail

| | | | |
|-----------------------------|---|-----------------|-----------|
| Description | <p>Excess Nutrients -2016 continue shared Irrigation Scheduler Management position between Wadena, Hubbard and East Ottertail Counties.</p> <p>Comprehensive Local Water Management Plan</p> <p>Funds are for continuation of a shared Irrigation Scheduler Management position with Hubbard, Wadena, and Todd Counties to enroll irrigators in water conservation and nutrient management practices, to prevent crop loss due to insufficient moisture, prevent ground water contamination due to over application of water and leaching of nutrients.</p> | | |
| Category | TECHNICAL/ENGINEERING ASSISTANCE | | |
| Start Date | 16-Feb-17 | End Date | 30-Dec-18 |
| Has Rates and Hours? | No | | |
| Actual Results | Shared Irrigation Specialist position for Hubbard, Wadena and East Ottertail was spent by Dec. 30, 2016. He served two producers and 7 fields. | | |

Grant Activity - Riparian Zone Management - 2016 Cost Share funding for shoreland protection and erosion control

| | | | |
|-----------------------------|---|-----------------|-----------|
| Description | Riparian Zone management- 2016 Cost Share implementation for shoreland erosion projects | | |
| | County Comprehensive Local Water Management Plan | | |
| | Additional Funds will be used to expand the number of Cost Share projects installed within Hubbard County for shore land protection and to prevent erosion. | | |
| Category | STREAMBANK OR SHORELINE PROTECTION | | |
| Start Date | 2-Dec-16 | End Date | 28-Apr-17 |
| Has Rates and Hours? | Yes | | |
| Actual Results | Additional funding for Cost Share projects. Completed Thesing and Crist cost share project of the Fredman Group cost share program of rip rap for shoreland stabilization on Long Lake which also includes Technical and Administrative costs. This project protected 150 linear feet of shoreline. Sediment TSS saved 6.80 T/yr; Soil (estimated savings of 6.80 T/year; Phosphorus (est. reduction) of 5.78 lbs/year. | | |

| Activity Action - Fredman Group shoreland rip rap | | | |
|---|---|----------------------------|----------|
| Practice | 580 - Streambank and Shoreline Protection | Count of Activities | 1 |
| Description | Fredman Group Cost Share for riprap on shoreline of Long Lake on 3 contiguous landowners properties. Each landowner had approximately 50 feet of shoreline stabilized and protected | | |
| Proposed Size / Units | 200.00 LINEAR FEET | Lifespan | 15 Years |
| Actual Size/Units | 150.00 LINEAR FEET | Installed Date | 7-Mar-17 |
| Mapped Activities | 1 Line(s) | | |

| Final Indicator for Fredman Group shoreland rip rap | | | |
|---|---|-------------------------|--------|
| Indicator Name | SOIL (EST. SAVINGS) | Value | 6.80 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | FLEVAL |
| Waterbody | Long Lake #29016100 | | |

| Final Indicator for Fredman Group shoreland rip rap | | | |
|---|--|-------------------------|--|
| Indicator Name | Total Suspended Solids (TSS) | Value | 6.8 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) Mg/L | Calculation Tool | BWSR CALC (STREAM & DITCH STABILIZATION) |

| | | | |
|--|--|-------------------------|--|
| Waterbody | Long Lake #29016100 | | |
| Final Indicator for Fredman Group shoreland rip rap | | | |
| Indicator Name | PHOSPHORUS (EST. REDUCTION) | Value | 5.78 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | Calculation Tool | BWSR CALC (STREAM & DITCH STABILIZATION) |
| Waterbody | Long Lake #29016100 | | |

Grant Activity - Riparian Zone Management - 2016 Equipment

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|-----------------------------|---|-----------------|-----------|
| Description | <p>Riparian Zone Management - Equipment purchase</p> <p>County Comprehensive Local Water Management Plan</p> <p>Funds will be used to purchase two new updated computers. One desk top model for Administrative Assistant to replace five year old model that is at memory capacity and one computer with 4G for GIS mapping capabilities in real time, for taking in the field for data collection and evaluation.</p> | | |
| Category | SUPPLIES/EQUIPMENT | | |
| Start Date | | End Date | 31-Dec-18 |
| Has Rates and Hours? | Yes | | |
| Actual Results | A laptop computer, monitor, office chairs, an additional phone line was added, a new website was created. | | |

Grant Activity - Riparian Zone Management - 2016 Geologic Atlas

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|-----------------------------|---|-----------------|--|
| Description | <p>Riparian Zone Management - 2016 Geologic Atlas</p> <p>Comprehensive Local Water Management Plan</p> <p>Funding will provide part time SWCD staff to complete Hubbard County's inventory and GPS location of private water wells for the Geologic Atlas in cooperation with the University of Minnesota and MN DNR.</p> | | |
| Category | INVENTORY/MAPPING | | |
| Start Date | | End Date | |
| Has Rates and Hours? | Yes | | |
| Actual Results | | | |

Grant Activity - Riparian Zone Management - 2016 Hydrolab equipment purchase

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|-----------------------------|---|-----------------|-----------|
| Description | Riparian Zone Management - Hydro Lab equipment | | |
| | Comprehensive Local Water Management Plan | | |
| | Funds will be used to purchase a new Hydro Lab water monitoring equipment for Hubbard SWCD to replace the 2008 model that is failing. This equipment will be used to monitor area lakes that do not have ten years of data to determine lake trends as specified in the Leech Lake River, Mississippi River Headwaters and Crow Wing River WRAP's, continue evaluation on lakes experiencing declining trends, monitor lakes that have had riparian management projects to evaluate the projects success. | | |
| Category | MONITORING/DATA COLLECTION | | |
| Start Date | | End Date | 31-Dec-18 |
| Has Rates and Hours? | No | | |
| Actual Results | The Hydrolab equipment was repaired instead of buying a new one. | | |

Grant Activity - Riparian Zone Management 2016 new Technician position

| | | | |
|-----------------------------|---|-----------------|-----------|
| Description | Riparian Zone Management - 2016 new Technician position | | |
| | County Comprehensive Local Water Management Plan | | |
| | Funds will be used to hire a new Technician position that is qualified, full time, SWCD Staff person with technical certifications to work with landowners to implement conservation practices on property within Hubbard County for both riparian and soil programs. | | |
| Category | TECHNICAL/ENGINEERING ASSISTANCE | | |
| Start Date | 16-Feb-16 | End Date | 29-Jun-17 |
| Has Rates and Hours? | Yes | | |
| Actual Results | A Water Quality Specialist position was created and personal was hired to do Long Lake Dissolved oxygen and temperature profiles from June through Sept. 2016, completed Hubbard County Buffer Law inventory, completed one group Cost Share project for 3 landowners on Long Lake, wrote grants, and completed other water quality projects as assigned. | | |

Grant Activity - Soil Erosion - 2016 increased office rent

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|-----------------------------|---|-----------------|-----------|
| Description | Soil Erosion - 2016 increased office rent | | |
| | Comprehensive Local Water Management Plan | | |
| | Funds will be used to offset the increase in rent of new Hubbard County SWCD office space, as our lease was terminated Dec. 31, 2015 | | |
| Category | ADMINISTRATION/COORDINATION | | |
| Start Date | | End Date | 31-Dec-18 |
| Has Rates and Hours? | No | | |
| Actual Results | We moved into a new office in 2016. The increased rent at \$29.35 per square foot was determined but no lease or billing arrangements have been made by NRCS/USDA so no rent has been paid in 2016. | | |

Grant Activity - Soil Erosion - 2016 shared grant match for Pollinator and tree plantings in irrigation corners

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|-----------------------------|--|-----------------|-----------|
| Description | Soil Erosion - 2016 Shared grant match for pollinator and/or tree plantings in irrigation pivot corners. | | |
| | Comprehensive Local Water Management Plan | | |
| | Funds will be used to match a shared Enbridge grant for implementing either pollinator or tree plantings in irrigation pivot corners received by Hubbard, Wadena and Todd Counties. These projects, by keeping the ground covered in underused spaces with native vegetation, will prevent soil and wind erosion | | |
| Category | WIND EROSION | | |
| Start Date | | End Date | 30-Jun-17 |
| Has Rates and Hours? | No | | |
| Actual Results | A joint Pollinator/native grass/tree planning program with Wadena was initiated to plant between 200 and 300 acres of fallow/non-productive ground/irrigation corners to native species and keep the ground covered. | | |

Grant Attachments

| Document Name | Document Type | Description |
|-----------------------|---------------|--|
| 2016 Cost-Share Grant | Grant | 2016 - SWCD Local Capacity Services (Hubbard SWCD) |

| Document Name | Document Type | Description |
|--|--------------------|--|
| 2016 Local Capacity Financial from reconciliation | Grant | 2016 - SWCD Local Capacity Services (Hubbard SWCD) |
| 2016 Local Capacity Tracker | Grant | 2016 - SWCD Local Capacity Services (Hubbard SWCD) |
| 2016 SWCD Local Capacity Services | Grant Agreement | 2016 SWCD Local Capacity Services - Hubbard SWCD |
| 2016 SWCD Local Capacity Services executed | Grant Agreement | 2016 SWCD Local Capacity Services - Hubbard SWCD |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 02/22/2016 |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 06/21/2016 |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 01/28/2017 |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 04/17/2017 |
| Amendment executed | Grant Agreement | 2016 SWCD Local Capacity Services - Hubbard SWCD |
| Crist papers | Grant | 2016 - SWCD Local Capacity Services (Hubbard SWCD) |
| SWCD Capacity Amendment - Hubbard SWCD.docx | Grant | 2016 - SWCD Local Capacity Services (Hubbard SWCD) |
| Thesing papers | Grant | 2016 - SWCD Local Capacity Services (Hubbard SWCD) |
| Work Plan | Workflow Generated | Workflow Generated - Work Plan - 01/29/2016 |
| Work Plan | Workflow Generated | Workflow Generated - Work Plan - 01/20/2016 |
| Work Plan | Workflow Generated | Workflow Generated - Work Plan - 12/23/2015 |
| Work Plan | Workflow Generated | Workflow Generated - Work Plan - 11/30/2015 |
| Work Plan | Workflow Generated | Workflow Generated - Work Plan - 07/15/2016 |