



Grant All-Detail Report

Soil Erosion and Drainage Law Compliance (SEDLCP) 2015

Grant Title - 2015 Red Lake County Drainage Ditch Inventory and Inspection (Phase II)

Grant ID - C15-4325

Organization - Red Lake SWCD

Grant Awarded Amount	\$21,860.00	Grant Execution Date	3/17/2015
Required Match Amount	\$5,465.00	Grant End Date	12/31/2018
Required Match %	25%	Grant Day To Day Contact	Tanya Hanson

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$21,860.00	\$21,860.00	\$0.00
Total Match Amount	\$5,465.00	\$5,465.00	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$27,325.00	\$27,325.00	\$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
Administration and Coordination	Administration /Coordination	Current State Grant	2015 Drainage Ditch Inventory and Inspection Grant	\$2,187.53	\$2,187.53	11/30/2017	N
Administration and Coordination	Administration /Coordination	Local Fund	Enbridge, Red Lake Watershed District, County, and SWCD Contribution	\$812.47	\$812.47	11/30/2017	Y
Inventory and Inspection	Inventory/Mapping	Current State Grant	2015 Red Lake County Drainage Ditch Inventory and Inspection..	\$18,333.46	\$18,333.46	11/30/2017	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Inventory and Inspection	Inventory/Mapping	Local Fund	Enbridge, Red Lake Watershed District, County, and SWCD Contribution	\$4,052.53	\$4,052.53	11/30/2017	Y
Supplies / Equipment	Supplies/Equipment	Current State Grant	2015 Red Lake County Drainage Ditch Inventory and Inspection..	\$1,339.01	\$1,339.01	12/31/2015	N
Supplies / Equipment	Supplies/Equipment	Local Fund	Enbridge, Red Lake Watershed District, County, and SWCD Contribution	\$600.00	\$600.00	11/30/2017	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
304M - Drainage System Inventory	1	0	1 COUNT	1 COUNT

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
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Final Indicators Summary

Indicator Name	Total Value	Unit
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Grant Activity

Grant Activity - Administration and Coordination			
Description	The District Manager is responsible for ensuring compliance with the FY 2015 CWF Policy and the BWSR's Grant Administration Manual. Contractual requirements, time and expenditure tracking, financial responsibilities, reporting requirements, and meeting the grant expiration deadline.		
Category	ADMINISTRATION/COORDINATION		
Start Date	18-Mar-15	End Date	30-Nov-17
Has Rates and Hours?	Yes		
Actual Results	Administration included: salary for contractual requirements, time and expenditure tracking, financial responsibilities, purchasing supplies and equipment, monthly phone service, and reporting requirements.		

Description

The purpose of this Phase II Project is to advance the inventory process of the 103E drainage ditches where erosion, sediment, and/or nutrients are contributing substantially to water quality degradation, and prioritize sites for side water inlet control and/or buffer strip implementation.

Through this project, Red Lake Watershed District, Red Lake County Ditch Authority, along with the Red Lake County SWCD, will be working together prioritizing county ditch systems (based upon water quality degradation and the amount of sediment loading that is occurring in the ditch systems), targeting where the greatest need for Side Water Inlet Structures is, and where 1-rod buffer strips are needed.

In addition, Red Lake County SWCD will be advancing the inventory process by using the Water Quality Decision Support System (WQDSS) tool, created by the International Waters Institute, to help prioritize areas where Side Water Inlet Structures are needed. The Stream Power Index layer of the WQDSS tool indicates which flow paths have the highest erosive power and greatest potential for erosion. This tool will help assist the District with prioritizing and targeting Side Water Inlet Structure project locations.

There are approximately 291 miles of public drainage systems that exist in Red Lake County. There are two drainage authorities in the county; Red Lake County Board of Commissioners; is the Ditch Authority for the county and the Red Lake Watershed District Board of Managers has ditch authority over the judicial ditch systems in the county.

Collaborated efforts with Pennington SWCD, Kittson SWCD, and Becker SWCD have been established so that we are all collecting the same usable data using an iPad to collect the field data.

The information gathered from the inventory will be provided to the RLWD and Red Lake County Ditch Authority to assist with making future decision.

Category	INVENTORY/MAPPING		
Start Date	18-Mar-15	End Date	30-Nov-17
Has Rates and Hours?	Yes		
Actual Results	<p>There were no funds spent from the 2015 Red Lake County Drainage Ditch Inventory and Inspection Grant in this Activity category in 2015.</p> <p>Red Lake County SWCD used funds from the 2014 Red Lake County Drainage Ditch Inventory and Inspection Grant for Inventory and Inspection work conducted in 2015.</p> <p>In 2016, Red Lake County began using funds from the 2015 Drainage Ditch Inventory and Inspection Grant. There were approximately 92 miles of drainage ditch systems; where data collection occurred using the iPad. All of the drainage ditch systems, for the Red Lake Watershed District, have been inventoried.</p> <p>January-April of 2017, office work was completed on the drainage ditch system database to fill in missing information as it pertains to each specific drainage ditch system. There were approximately 45-50 miles of drainage ditch systems that were left to be inventoried in 2017.</p> <p>Red Lake County SWCD staff completed the Drainage Ditch Inventory in the fall of 2017 for Red Lake County.</p> <p>Information collected for the Drainage Ditch Inventory will be available upon request at the SWCD Office. An Arc GIS Drainage Ditch Inventory Map has been created along with a database file containing the information gathered at each location identified.</p> <p>The Drainage Ditch Inventory has been an excellent database of information for SWCD staff to use when working with landowners on determining compliance for the Buffer Law as well as identifying alternative practices allowed under BWSR guidelines.</p>		

Activity Action - Drainage System Inventory			
Practice	304M - Drainage System Inventory	Count of Activities	1
Description	<p>There are approximately 291 miles of public drainage systems that will be inventoried/inspected through this grant process in Red Lake County. Red Lake County SWCD staff will begin inventorying the Judicial Ditch Systems (116 miles) first and then proceed to the County Ditch Systems (175 miles). Field data collection will include, but not be limited to, GPS points, pictures, and documentation of whether the site needs a buffer strip or a side water inlet to correct runoff concerns. The information gathered in the field will be entered into the excel spreadsheet. Prioritization will be determined by staff from Red Lake SWCD, Red Lake County, and Red Lake WD by using tools including, but not limited to in-field data, stream power index, HSPF and SWAT models, and the water quality decision support tool. Shapefile of inventoried ditches can be found under the attachments tab for the grant in eLINK.</p>		
Proposed Size / Units	1.00 COUNT	Lifespan	5 Years
Actual Size/Units	1.00 COUNT	Installed Date	30-Nov-17
Mapped Activities	No		

Grant Activity - Supplies / Equipment

Description	<p>The District will be purchasing an iPad, Case, and Charger for the Drainage Ditch Inventory and Inspection Grant.</p> <p>An Arc GIS Usage fee will be paid annually to Becker SWCD for the Arc GIS Software License needed to operate the iPad for the Drainage Ditch Inventory and Inspection Grant.</p> <p>The Supplies / Equipment is needed to gather field data more efficiently and effectively. Also, the field data information being collected on the iPad is downloadable for office use by not only Red Lake County SWCD but other federal, state, and local agencies.</p>		
Category	SUPPLIES/EQUIPMENT		
Start Date	18-Mar-15	End Date	30-Nov-17
Has Rates and Hours?	No		
Actual Results	<p>An iPad, Case, and Portable Charger was purchased to make the data collection for this project more efficient.</p> <p>A collaborated effort with Pennington SWCD was established so that we are collecting similiar usable data.</p> <p>An Arc GIS Usage Fee was paid to Becker SWCD for software usage in the amount of \$600.00 in December of 2016.</p> <p>This was identified in the 2015 Drainage Ditch Inventory and Inspection Grant Application.</p> <p>In 2017, Red Lake County SWCD was not charged for the Becker SWCD (Arc GIS Usage Fee) so the AT&T Mobility monthly service bill was charged under this activity.</p>		

Grant Attachments

Document Name	Document Type	Description
2015 Competitive Grant	Grant Agreement	2015 Competitive Grant - Red Lake SWCD
2015 Competitive Grant executed	Grant Agreement	2015 Competitive Grant - Red Lake SWCD
2015 Drainage Ditch Inventory Financial Report	Grant	2015 Red Lake County Drainage Ditch Inventory and Inspection (Phase II)
2015 Financial Report	Grant	2015 Red Lake County Drainage Ditch Inventory and Inspection (Phase II)

Document Name	Document Type	Description
2015 Red Lake County Drainage Ditch Inventory Financial Report	Grant	2015 Red Lake County Drainage Ditch Inventory and Inspection (Phase II)
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/12/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/13/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/13/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/03/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/05/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/04/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/30/2017
Application	Workflow Generated	Workflow Generated - Application - 09/25/2014
Red Lake County Drainage Ditch Inventory Map	Grant	2015 Red Lake County Drainage Ditch Inventory and Inspection (Phase II)
Red Lake County Drainage Ditch Systems	Grant	2015 Red Lake County Drainage Ditch Inventory and Inspection (Phase II)
Red Lake SEDLCP Ditches Shapefile	Grant	2015 Red Lake County Drainage Ditch Inventory and Inspection (Phase II)
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/08/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/08/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 07/09/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/16/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/02/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/29/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/10/2015
grantmap_12556_2014-09-24_06-15-27-PM.jpg	Grant	2015 Red Lake County Drainage Ditch Inventory and Inspection (Phase II)