



## Grant All-Detail Report Projects and Practices 2021

**Grant Title** - 2021 Lower Clearwater River Subwatershed Water Quality Agricultural Practices (Phase III)

**Grant ID** - C21-4566

**Organization** - Red Lake SWCD

<b>Original Awarded Amount</b>	<b>\$268,525.00</b>	<b>Grant Execution Date</b>	
<b>Required Match Amount</b>	\$67,131.25	<b>Original Grant End Date</b>	12/31/2023
<b>Required Match %</b>	25%	<b>Grant Day To Day Contact</b>	Tanya Waldo
<b>Current Awarded Amount</b>	\$268,525.00	<b>Current End Date</b>	12/31/2023

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$268,525.00	\$0.00	\$268,525.00
Total Match Amount	\$67,132.00	\$0.00	\$67,132.00
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$335,657.00</b>	<b>\$0.00</b>	<b>\$335,657.00</b>

*\*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	2021 Lower Clearwater River Subwatershed Water Quality Agric..	\$14,775.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Administration / Coordination	Administration /Coordination	Local Fund	Red Lake Watershed District, Red Lake County SWCD, Landowner, other matching funds	\$3,694.00			Y
Agricultural Practices	Agricultural Practices	Current State Grant	2021 Lower Clearwater River Subwatershed Water Quality Agric..	\$203,000.00			N
Agricultural Practices	Agricultural Practices	Local Fund	Red Lake Watershed District, Red Lake County SWCD, Landowner, other matching funds	\$50,750.00			Y
Project Development	Project Development	Current State Grant	2021 Lower Clearwater River Subwatershed Water Quality Agric..	\$20,300.00			N
Project Development	Project Development	Local Fund	Red Lake Watershed District, Red Lake County SWCD, Landowner, other matching funds	\$5,075.00			Y
Technical / Engineering Assistance	Technical/Engineering Assistance	Current State Grant	2021 Lower Clearwater River Subwatershed Water Quality Agric..	\$30,450.00			N
Technical / Engineering Assistance	Technical/Engineering Assistance	Local Fund	Red Lake Watershed District, Red Lake County SWCD, Landowner, other matching funds	\$7,613.00			Y

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
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### Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
<b>Agricultural Practices</b>	PHOSPHORUS (EST. REDUCTION)	569.38 LBS/YR	Clearwater River	RUSLE2 (UPDATED)	
<b>Agricultural Practices</b>	SOIL (EST. SAVINGS)	1958.82 TONS/YR	Clearwater River	RUSLE2 (UPDATED)	
<b>Agricultural Practices</b>	SEDIMENT (TSS)	793.28 TONS/YR	Clearwater River	RUSLE2 (UPDATED)	

### Final Indicators Summary

Indicator Name	Total Value	Unit
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### Grant Activity

Grant Activity - Administration / Coordination	
<b>Description</b>	Project administration includes developing a partnership with the landowner, the Engineer and the SWCD. Contractual requirements, grant agreement requirements, BWSR Grants Administration Manual requirements, FY21 CWF Policy requirements, expenditure tracking, financial responsibilities, reporting requirements, and meeting the grant expiration deadline are the responsibility of the SWCD District Manager.
<b>Category</b>	ADMINISTRATION/COORDINATION
<b>Start Date</b>	<b>End Date</b>
<b>Has Rates and Hours?</b>	Yes
<b>Actual Results</b>	

## Grant Activity - Agricultural Practices

<b>Description</b>	<p>Red Lake County SWCD has targeted ten sites for implementation of structural agricultural practices based on data analysis obtained from using the DRAFT Clearwater River WRAPs and TMDL Reports, Water Quality Decision Support System (WQDSS) tool, DNR Stressor ID database, and the Soil and Water Assessment Tool (SWAT) models. The data identified the Lower Clearwater River subwatershed as having the highest sediment yield in the Clearwater River Watershed, highlighted fields in the subwatershed with the highest sediment loading, and even showed specific locations in the field which were most vulnerable to erosion. Red Lake County SWCD conducted an Erosion Site Inventory in 2019, which verified the information from the tools/models and found landowners in these priority areas that were eager to fix the erosion problems on their fields.</p> <p>The structural agricultural practices will include, but are not limited to, grade stabilization structures, grassed waterways, and water &amp; sediment basins. The implementation of these practices is estimated to reduce sediment loading to the Clearwater River (AUID 501) by 793.28 tons/year, or 32% of the TMDL required annual load reduction.</p> <p>The Ag practice lifespan will be 10-15 years, these practices will be installed on private lands and will require a contract between the SWCD and the landowner. Seventy-five percent of the projects will be covered by the state grant and twenty-five percent will be covered by a local match such as, but not limited to, Red Lake Watershed District, Red Lake County SWCD, the landowner, etc.</p>		
<b>Category</b>	AGRICULTURAL PRACTICES		
<b>Start Date</b>		<b>End Date</b>	
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>			

**Grant Activity - Project Development**

<b>Description</b>	<p>The District Manager will act as a liaison between the landowner, Red River Valley Conservation Service Area (RRVCSA) Technician, Red Lake County Highway Engineer, and the SWCD for on-site field visit.</p> <p>The District Manager will submit an Engineering request with the RRVCSA Technician for surveying the project site.</p> <p>The District Manager will inform the landowner on the project's process (contract, design, bidding process, reimbursement voucher, etc.).</p> <p>If RRVCSA Technician and the RLC Highway Engineer are not available, the SWCD will be hiring an Engineering Firm to complete the work.</p>
<b>Category</b>	PROJECT DEVELOPMENT
<b>Start Date</b>	<b>End Date</b>
<b>Has Rates and Hours?</b>	Yes
<b>Actual Results</b>	

## Grant Activity - Technical / Engineering Assistance

<b>Description</b>	<p>Technical and Engineering Assistance will be provided by the SWCD staff, the Red Lake County Highway Engineer, and the Red River Valley Conservation Service Area Technician.</p> <p>If the above Technical/Engineering staff are not available, the SWCD will be hiring someone with JAA or an Engineering Firm to complete the survey, design, construction, and construction inspection work.</p> <p>Designs and practice certification will be signed by the RLC Engineer or someone with appropriate job approval authority or a licensed engineer.</p> <p>Job approval authority credentials are available in eLINK or upon request.</p> <p>Ag practices will be designed according to the NRCS FOTG standards.</p>	
<b>Category</b>	TECHNICAL/ENGINEERING ASSISTANCE	
<b>Start Date</b>		<b>End Date</b>
<b>Has Rates and Hours?</b>	Yes	
<b>Actual Results</b>		

## Grant Attachments

Document Name	Document Type	Description
<b>2021 BWSR CWF Attachment</b>	Grant	2021 Lower Clearwater River Subwatershed Water Quality Agricultural Practices (Phase III)
<b>2021 Competitive Grant</b>	Grant Agreement	2021 Competitive Grant - Red Lake SWCD
<b>Application</b>	Workflow Generated	Workflow Generated - Application - 08/11/2020
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 12/17/2020
<b>Work Plan</b>	Workflow Generated	Workflow Generated - Work Plan - 01/12/2021
<b>grantmap_28171_2020-08-10_05-40-34-PM.jpg</b>	Grant	2021 Lower Clearwater River Subwatershed Water Quality Agricultural Practices (Phase III)