BWSR

Grant All-Detail Report
Projects and Practices 2015

Grant Title - 2015 Cyr Creek, Black River, and Red Lake River Sub-Watersheds Water Quality Improvement Projects
Grant ID - C15-8948
Organization - Red Lake SWCD

Original Awarded Amount	**$277,500.00**	**Grant Execution Date**	**3/17/2015**
Required Match Amount	$69,375.00	**Original Grant End Date**	12/31/2018
Required Match %	25%	**Grant Day To Day Contact**	Tanya Hanson
Current Awarded Amount	$277,500.00	**Current End Date**	12/31/2018

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	$277,500.00	$277,500.00	$0.00
Total Match Amount	$70,404.23	$90,359.76	$-19,955.53
Total Other Funds	$0.00	$0.00	$0.00
Total	**$347,904.23**	**$367,859.76**	**$-19,955.53**

**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 Cyr Creek, Black River, and Red Lake River Sub-Watershed.	$17,543.03	$17,523.03	11/30/2018	N
Administration and Coordination	Administration /Coordination	Local Fund	NW MN Foundation, Red Lake Watershed District, County, and SWCD Contribution	$1,000.00	$1,000.00	12/31/2015	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Black River Subwatershed - Grade Stabilization Projects	Agricultural Practices	Current State Grant	2015 Cyr Creek, Black River, and Red Lake River Sub-Watershed.	$50,529.00	$50,529.00	10/31/2018	N
Black River Subwatershed - Grade Stabilization Projects	Agricultural Practices	Local Fund	Enbridge, Red Lake Watershed District, Landowner, and SWCD Contribution	$19,537.00	$19,537.00	10/31/2018	Y
Cyr Creek Subwatershed - Grassed Waterway Projects	Agricultural Practices	Current State Grant	2015 Cyr Creek, Black River, and Red Lake River Sub-Watershed.	$51,333.93	$51,333.93	7/9/2018	N
Cyr Creek Subwatershed - Grassed Waterway Projects	Agricultural Practices	Local Fund	Enbridge, Red Lake Watershed District, Landowner, & SWCD Contribution	$17,111.32	$17,111.32	7/9/2018	Y
Project Development	Project Development	Local Fund	NW MN Foundation, Red Lake Watershed District, County, and SWCD Contribution	$13,485.51	$13,485.51	12/29/2017	Y
Red Lake River Subwatershed - Grade Stabilization Projects	Agricultural Practices	Current State Grant	2015 Cyr Creek, Black River, and Red Lake River Sub-Watershed.	$117,282.84	$117,282.84	10/31/2018	N
Red Lake River Subwatershed - Grade Stabilization Projects	Agricultural Practices	Local Fund	Enbridge, Red Lake Watershed District, Landowner, and SWCD Contribution	$15,000.00	$34,955.53	10/31/2018	Y
Red Lake River Subwatershed - Red Lake County - Grade Stabilization Project	Agricultural Practices	Current State Grant	2015 Cyr Creek, Black River, and Red Lake River Sub-Watershed.	$12,811.20	$12,811.20	11/20/2017	N
Red Lake River Subwatershed - Red Lake County - Grade Stabilization Project	Agricultural Practices	Local Fund	Enbridge, Red Lake Watershed District, County, and SWCD Contribution	$4,270.40	$4,270.40	11/20/2017	Y
Technical and Engineering Assistance	Technical/Engineering Assistance	Current State Grant	2015 Cyr Creek, Black River, and Red Lake River Sub-Watershed.	$28,000.00	$28,020.00	11/29/2018	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
638 - Water and Sediment Control Basin	64	15	1 COUNT	1 COUNT
410 - Grade Stabilization Structure	32	12	1 COUNT	1 COUNT

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Installation of Agricultural Practices	PHOSPHORUS (EST. REDUCTION)	693.44 LBS/YR	Red Lake River	BWSR CALC (GULLY STABILIZATION)	
Installation of Agricultural Practices	SOIL (EST. SAVINGS)	2236.50 TONS/YR	Red Lake River	BWSR CALC (GULLY STABILIZATION)	
Installation of Agricultural Practices	SEDIMENT (TSS)	594.30 TONS/YR	Red Lake River	BWSR CALC (GULLY STABILIZATION)	

Final Indicators Summary

Indicator Name	Total Value	Unit
SEDIMENT (TSS)	1,632.50	TONS/YR
PHOSPHORUS (EST. REDUCTION)	1,466.00	LBS/YR
SOIL (EST. SAVINGS)	6,172.63	TONS/YR

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	17-Mar-15	**End Date**	29-Nov-18
Has Rates and Hours?	Yes		
Actual Results	The District Manager made sure compliance with the FY 2015 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 - Black River Subwatershed - Grade Stabilization Projects			
Description	Installation of an estimated 3 Grade Stabilization Structures located within the Black River Subwatershed. The Red Lake River from the Black River to Gentilly River and the Black River from the Little Black River to the Red Lake River are on the TMDL Impaired Waters List for Turbidity. These reaches are a high priority because of the high importance of the Red Lake River, which provides a domestic supply use of the water source and provides abundant recreational uses. Red Lake County SWCD has targeted water quality improvement projects to twelve sites in the Black River, Cyr Creek, and Red Lake River Sub-Watersheds of the Red Lake River Watershed. This is based on data analysis obtained from using the Water Quality Decision Support System (WQDSS) tool (Stream Power Index and Water Quality Index layers), TMDL Impaired Waters List, DNR Stressor ID database, and the Soil and Water Assessment (SWAT) models. The data identified which sub-watersheds were contributing to these impairments, highlighted which fields in those sub-watersheds were contributing the most sediment, and even showed specific locations in the field which were most vulnerable to erosion. Red Lake County SWCD also conducted an Erosion Site Inventory in 2014, 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. Water Quality Improvement Projects, which include but are not limited to, grade stabilization structures, grassed waterways, and water & sediment basins, will be the Best Management Practices implemented to correct the erosion that is occurring at these site locations. Through the implementation of these Best Management Practices, the large amount of sediment that is being contributed from these subwatershed areas will be reduced and water quality will be improved.		
Category	AGRICULTURAL PRACTICES		
Start Date	17-Mar-15	**End Date**	29-Nov-18
Has Rates and Hours?	No		
Actual Results	There were five Grade Stabilization Structure (410) projects installed.		

Activity Action - Beyer - Project 1			
Practice	410 - Grade Stabilization Structure	**Count of Activities**	1
Description	Installed one Grade Stabilization Structure		
Proposed Size / Units	1.00 COUNT	**Lifespan**	15 Years
Actual Size/Units	1.00 COUNT	**Installed Date**	11-Jul-16
Mapped Activities	1 Point(s)		

Final Indicator for Beyer - Project 1			
Indicator Name	SOIL (EST. SAVINGS)	Value	87
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Black River		

Final Indicator for Beyer - Project 1			
Indicator Name	SEDIMENT (TSS)	Value	22
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Black River		

Final Indicator for Beyer - Project 1			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	19
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Black River		

Activity Action - Beyer - Project 2			
Practice	410 - Grade Stabilization Structure	Count of Activities	2
Description	Installed one Grade Stabilization Structure		
Proposed Size / Units	1.00 COUNT	Lifespan	15 Years
Actual Size/Units	1.00 COUNT	Installed Date	11-Jul-16
Mapped Activities	1 Point(s)		

Final Indicator for Beyer - Project 2			
Indicator Name	SEDIMENT (TSS)	Value	108
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Black River		

Final Indicator for Beyer - Project 2			
Indicator Name	SOIL (EST. SAVINGS)	Value	410
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Black River		

Final Indicator for Beyer - Project 2			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	97
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Black River		

Activity Action - Beyer - Project 3			
Practice	410 - Grade Stabilization Structure	Count of Activities	3
Description	Installed one Grade Stabilization Structure		
Proposed Size / Units	1.00 COUNT	Lifespan	15 Years
Actual Size/Units	1.00 COUNT	Installed Date	11-Jul-16
Mapped Activities	1 Point(s)		

Final Indicator for Beyer - Project 3			
Indicator Name	SEDIMENT (TSS)	Value	31.5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Black River		

Final Indicator for Beyer - Project 3			
Indicator Name	SOIL (EST. SAVINGS)	Value	118.13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Black River		

Final Indicator for Beyer - Project 3			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	29
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Black River		

Activity Action - Beyer - Project 4			
Practice	410 - Grade Stabilization Structure	Count of Activities	4
Description	Installed one Grade Stabilization Structure		
Proposed Size / Units	1.00 COUNT	Lifespan	15 Years
Actual Size/Units	1.00 COUNT	Installed Date	11-Jul-16
Mapped Activities	1 Point(s)		

Final Indicator for Beyer - Project 4			
Indicator Name	SEDIMENT (TSS)	Value	24
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Black River		

Final Indicator for Beyer - Project 4			
Indicator Name	SOIL (EST. SAVINGS)	Value	90
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Black River		

Final Indicator for Beyer - Project 4			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	21

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Black River		

Activity Action - Weiss - Project 1			
Practice	410 - Grade Stabilization Structure	**Count of Activities**	5
Description	Installation of a Grade Stabilization Structure.		
Proposed Size / Units	1.00 COUNT	**Lifespan**	10 Years
Actual Size/Units	1.00 COUNT	**Installed Date**	24-Oct-18
Mapped Activities	1 Point(s)		

Final Indicator for Weiss - Project 1			
Indicator Name	SEDIMENT (TSS)	**Value**	195
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Black River		
Final Indicator for Weiss - Project 1			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	156
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Black River		
Final Indicator for Weiss - Project 1			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	731.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Black River		

Grant Activity - Cyr Creek Subwatershed - Grassed Waterway Projects			
Description	Installation of an estimated 3 Grassed Waterways located within Cyr Creek Subwatershed. The Red Lake River from the Black River to Gentilly River and the Black River from the Little Black River to the Red Lake River are on the TMDL Impaired Waters List for Turbidity. These reaches are a high priority because of the high importance of the Red Lake River, which provides a domestic supply use of the water source and provides abundant recreational uses. Red Lake County SWCD has targeted water quality improvement projects to twelve sites in the Black River, Cyr Creek, and Red Lake River Sub-Watersheds of the Red Lake River Watershed. This is based on data analysis obtained from using the Water Quality Decision Support System (WQDSS) tool (Stream Power Index and Water Quality Index layers), TMDL Impaired Waters List, DNR Stressor ID database, and the Soil and Water Assessment (SWAT) models. The data identified which sub-watersheds were contributing to these impairments, highlighted which fields in those sub-watersheds were contributing the most sediment, and even showed specific locations in the field which were most vulnerable to erosion. Red Lake County SWCD also conducted an Erosion Site Inventory in 2014, 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. Water Quality Improvement Projects, which include but are not limited to, grade stabilization structures, grassed waterways, and water & sediment basins, will be the Best Management Practices implemented to correct the erosion that is occurring at these site locations. Through the implementation of these Best Management Practices, the large amount of sediment that is being contributed from these subwatershed areas will be reduced and water quality will be improved.		
Category	AGRICULTURAL PRACTICES		
Start Date	17-Mar-15	**End Date**	29-Nov-18
Has Rates and Hours?	No		
Actual Results	There were a total of eight Water & Sediment Control Basins (638) installed and 1 Grade Stabilization Structure (410) project installed.		

Activity Action - Cyr Creek Subwatershed - W & S Basin			
Practice	638 - Water and Sediment Control Basin	Count of Activities	1
Description	Installed one Water & Sediment Basin		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	5-Nov-15
Mapped Activities	1 Point(s)		

Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	SEDIMENT (TSS)	Value	60
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Cyr Creek		

Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	SOIL (EST. SAVINGS)	Value	225
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Cyr Creek		

Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	55
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Cyr Creek		

Activity Action - Cyr Creek Subwatershed - W & S Basin			
Practice	638 - Water and Sediment Control Basin	Count of Activities	2
Description	Installed one Water & Sediment Basin.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	5-Nov-15
Mapped Activities	1 Point(s)		

Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)
Waterbody	Cyr Creek		

Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	SEDIMENT (TSS)	Value	12
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (SHEET AND RILL)

Waterbody	Cyr Creek		
Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	48
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cyr Creek		

Activity Action - Cyr Creek Subwatershed - W & S Basin			
Practice	638 - Water and Sediment Control Basin	**Count of Activities**	3
Description	Installed one Water & Sediment Basin.		
Proposed Size / Units	1.00 COUNT	**Lifespan**	10 Years
Actual Size/Units	1.00 COUNT	**Installed Date**	5-Nov-15
Mapped Activities	1 Point(s)		

Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	SEDIMENT (TSS)	**Value**	64
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cyr Creek		
Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	240
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cyr Creek		
Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	59
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cyr Creek		

Activity Action - Cyr Creek Subwatershed - W & S Basin			
Practice	638 - Water and Sediment Control Basin	**Count of Activities**	4
Description	Installed one Water & Sediment Basin.		
Proposed Size / Units	1.00 COUNT	**Lifespan**	10 Years
Actual Size/Units	1.00 COUNT	**Installed Date**	5-Nov-15
Mapped Activities	1 Point(s)		

Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	405
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cyr Creek		
Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	104
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cyr Creek		
Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	SEDIMENT (TSS)	**Value**	108
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cyr Creek		

Activity Action - Cyr Creek Subwatershed - W & S Basin			
Practice	638 - Water and Sediment Control Basin	**Count of Activities**	5
Description	Installed one Water & Sediment Basin.		
Proposed Size / Units	1.00 COUNT	**Lifespan**	10 Years
Actual Size/Units	1.00 COUNT	**Installed Date**	5-Nov-15
Mapped Activities	1 Point(s)		

Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	112
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cyr Creek		
Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	26
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cyr Creek		
Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	SEDIMENT (TSS)	**Value**	28
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (SHEET AND RILL)
Waterbody	Cyr Creek		

Activity Action - Cyr Creek Subwatershed - W & S Basin			
Practice	638 - Water and Sediment Control Basin	Count of Activities	6
Description	Installed a Water & Sediment Control Basin.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	23-Oct-17
Mapped Activities	1 Point(s)		

Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	SOIL (EST. SAVINGS)	Value	135
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Cyr Creek		

Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	33
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Cyr Creek		

Final Indicator for Cyr Creek Subwatershed - W & S Basin			
Indicator Name	SEDIMENT (TSS)	Value	36
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Cyr Creek		

Activity Action - Cyr Creek Subwatershed - Grade Stabilization Structure			
Practice	410 - Grade Stabilization Structure	Count of Activities	1
Description	Installation of a Grade Stabilization Structure.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	11-Jun-18
Mapped Activities	1 Point(s)		

Final Indicator for Cyr Creek Subwatershed - Grade Stabilization Structure			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	61
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Cyr Creek		

Final Indicator for Cyr Creek Subwatershed - Grade Stabilization Structure			
Indicator Name	SEDIMENT (TSS)	Value	63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Cyr Creek		

Final Indicator for Cyr Creek Subwatershed - Grade Stabilization Structure			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	252
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Cyr Creek		

Activity Action - Cyr Creek Subwatershed - W & S Control Basin			
Practice	638 - Water and Sediment Control Basin	**Count of Activities**	7
Description	Installed one Water & Sediment Control Basin		
Proposed Size / Units	1.00 COUNT	**Lifespan**	10 Years
Actual Size/Units	1.00 COUNT	**Installed Date**	11-Jun-18
Mapped Activities	1 Point(s)		

Final Indicator for Cyr Creek Subwatershed - W & S Control Basin			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	363.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Cyr Creek		

Final Indicator for Cyr Creek Subwatershed - W & S Control Basin			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	94
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Cyr Creek		

Final Indicator for Cyr Creek Subwatershed - W & S Control Basin			
Indicator Name	SEDIMENT (TSS)	**Value**	97
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Cyr Creek		

Activity Action - Cyr Creek Subwatershed - W & S Control Basin			
Practice	638 - Water and Sediment Control Basin	**Count of Activities**	8
Description	Installed one Water & Sediment Control Basin		
Proposed Size / Units	1.00 COUNT	**Lifespan**	10 Years
Actual Size/Units	1.00 COUNT	**Installed Date**	11-Jun-18
Mapped Activities	1 Point(s)		

Final Indicator for Cyr Creek Subwatershed - W & S Control Basin			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	133

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Cyr Creek		
Final Indicator for Cyr Creek Subwatershed - W & S Control Basin			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	513.8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Cyr Creek		
Final Indicator for Cyr Creek Subwatershed - W & S Control Basin			
Indicator Name	SEDIMENT (TSS)	**Value**	137
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Cyr Creek		

Grant Activity - Project Development			
Description	Develop a partnership between the landowner, Red River Valley Conservation Service Area RRVCSA) Engineer, and the SWCD District staff. Schedule with RRVCSA Engineer for surveying each project site. Schedule with RRVCSA Engineer a meeting with each landowner to review preliminary and final designs. Assist the landowner through the project's process (contract, preliminary design and final design review, bidding process, reimbursement voucher, etc.). The WQDSS tool will be used to identify and rank high priority projects located within these subwatersheds; so if excess funds are available, those funds can be used to complete additional high priority projects.		
Category	PROJECT DEVELOPMENT		
Start Date	17-Mar-15	**End Date**	29-Nov-18
Has Rates and Hours?	Yes		
Actual Results	Developed a partnership between the landowners, Red River Valley Conservation Service Area RRVCSA) Engineer, and the SWCD District staff. Scheduled with RRVCSA Engineer for surveying each project site. Scheduled with RRVCSA Engineer a meeting with each landowner to review preliminary designs. Assisted the landowner through the project's process (contract, preliminary design and final design review, bidding process, reimbursement voucher, etc.).		

Grant Activity - Red Lake River Subwatershed - Grade Stabilization Projects			
Description	Installation of an estimated 5 Grade Stabilization Projects. The Red Lake River from the Black River to Gentilly River and the Black River from the Little Black River to the Red Lake River are on the TMDL Impaired Waters List for Turbidity. These reaches are a high priority because of the high importance of the Red Lake River, which provides a domestic supply use of the water source and provides abundant recreational uses. Red Lake County SWCD has targeted water quality improvement projects to twelve sites in the Black River, Cyr Creek, and Red Lake River Sub-Watersheds of the Red Lake River Watershed. This is based on data analysis obtained from using the Water Quality Decision Support System (WQDSS) tool (Stream Power Index and Water Quality Index layers), TMDL Impaired Waters List, DNR Stressor ID database, and the Soil and Water Assessment (SWAT) models. The data identified which sub-watersheds were contributing to these impairments, highlighted which fields in those sub-watersheds were contributing the most sediment, and even showed specific locations in the field which were most vulnerable to erosion. Red Lake County SWCD also conducted an Erosion Site Inventory in 2014, 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. Water Quality Improvement Projects, which include but are not limited to, grade stabilization structures, grassed waterways, and water & sediment basins, will be the Best Management Practices implemented to correct the erosion that is occurring at these site locations. Through the implementation of these Best Management Practices, the large amount of sediment that is being contributed from these subwatershed areas will be reduced and water quality will be improved.		
Category	AGRICULTURAL PRACTICES		
Start Date	16-Jul-15	**End Date**	29-Nov-18
Has Rates and Hours?	No		
Actual Results	There were a total of twelve projects installed: seven Water & Sediment Control Basin (638) projects and five Grade Stabilization Structure (410) projects.		

Activity Action - Red Lake River Subwatershed Projects			
Practice	638 - Water and Sediment Control Basin	Count of Activities	1
Description	Installed a Water & Sediment Control Basin in Section 21 of RLF Township.		
Proposed Size / Units	1.00 COUNT	Lifespan	15 Years
Actual Size/Units	1.00 COUNT	Installed Date	11-Dec-17
Mapped Activities	1 Point(s)		

Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	78
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SEDIMENT (TSS)	Value	87
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SOIL (EST. SAVINGS)	Value	326.25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Activity Action - Red Lake River Subwatershed Projects			
Practice	638 - Water and Sediment Control Basin	Count of Activities	2
Description	Installed Water & Sediment Control Basin in Section 30 of RLF Township.		
Proposed Size / Units	1.00 COUNT	Lifespan	15 Years
Actual Size/Units	1.00 COUNT	Installed Date	12-May-18
Mapped Activities	1 Point(s)		

Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SEDIMENT (TSS)	Value	36
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SOIL (EST. SAVINGS)	Value	135
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)

Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	34
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Activity Action - Red Lake River Subwatershed Projects			
Practice	638 - Water and Sediment Control Basin	**Count of Activities**	3
Description	Installed Water & Sediment Control Basin in Section 30 of RLF Township.		
Proposed Size / Units	1.00 COUNT	**Lifespan**	15 Years
Actual Size/Units	1.00 COUNT	**Installed Date**	12-May-18
Mapped Activities	1 Point(s)		

Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SEDIMENT (TSS)	**Value**	68
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	255
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	64
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Activity Action - Red Lake River Subwatershed Projects			
Practice	638 - Water and Sediment Control Basin	**Count of Activities**	4
Description	Installed Water & Sediment Control Basin in Section 30 of RLF Township.		
Proposed Size / Units	1.00 COUNT	**Lifespan**	15 Years
Actual Size/Units	1.00 COUNT	**Installed Date**	12-May-18
Mapped Activities	1 Point(s)		

Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SEDIMENT (TSS)	**Value**	18
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	72
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Activity Action - Red Lake River Subwatershed Projects			
Practice	638 - Water and Sediment Control Basin	**Count of Activities**	5
Description	Installed Water & Sediment Control Basin in Section 30 of RLF Township.		
Proposed Size / Units	1.00 COUNT	**Lifespan**	15 Years
Actual Size/Units	1.00 COUNT	**Installed Date**	12-May-18
Mapped Activities	1 Point(s)		

Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SEDIMENT (TSS)	**Value**	72
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	270
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	69
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Activity Action - Red Lake River Subwatershed Projects			
Practice	638 - Water and Sediment Control Basin	Count of Activities	6
Description	Installed Water & Sediment Control Basin in Section 30 of RLF Township.		
Proposed Size / Units	1.00 COUNT	Lifespan	15 Years
Actual Size/Units	1.00 COUNT	Installed Date	12-May-18
Mapped Activities	1 Point(s)		

Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SEDIMENT (TSS)	Value	24
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SOIL (EST. SAVINGS)	Value	90
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	22
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Activity Action - Red Lake River Subwatershed Projects			
Practice	638 - Water and Sediment Control Basin	Count of Activities	7
Description	Installed Water & Sediment Control Basin in Section 30 of RLF Township.		
Proposed Size / Units	1.00 COUNT	Lifespan	15 Years
Actual Size/Units	1.00 COUNT	Installed Date	12-May-18
Mapped Activities	1 Point(s)		

Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SOIL (EST. SAVINGS)	Value	64
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SEDIMENT (TSS)	Value	16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)

Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	14
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Activity Action - Red Lake River Subwatershed Projects			
Practice	410 - Grade Stabilization Structure	**Count of Activities**	1
Description	Installation of Grade Stabilization Structure		
Proposed Size / Units	1.00 COUNT	**Lifespan**	15 Years
Actual Size/Units	1.00 COUNT	**Installed Date**	7-Nov-18
Mapped Activities	1 Point(s)		

Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	63
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	14
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SEDIMENT (TSS)	**Value**	16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Activity Action - Red Lake River Subwatershed Projects			
Practice	410 - Grade Stabilization Structure	**Count of Activities**	2
Description	Installation of Grade Stabilization Structure.		
Proposed Size / Units	1.00 COUNT	**Lifespan**	15 Years
Actual Size/Units	1.00 COUNT	**Installed Date**	7-Nov-18
Mapped Activities	1 Point(s)		

Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	64
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	14
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SEDIMENT (TSS)	Value	16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Activity Action - Red Lake River Subwatershed Projects			
Practice	410 - Grade Stabilization Structure	Count of Activities	3
Description	Installation of a Grade Stabilization Structure.		
Proposed Size / Units	1.00 COUNT	Lifespan	15 Years
Actual Size/Units	1.00 COUNT	Installed Date	19-Nov-18
Mapped Activities	1 Point(s)		

Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SOIL (EST. SAVINGS)	Value	240
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	62
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SEDIMENT (TSS)	Value	64
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Activity Action - Red Lake River Subwatershed Projects			
Practice	410 - Grade Stabilization Structure	Count of Activities	4
Description	Installation of a Grade Stabilization Project.		
Proposed Size / Units	1.00 COUNT	Lifespan	15 Years
Actual Size/Units	1.00 COUNT	Installed Date	19-Nov-18
Mapped Activities	1 Point(s)		

Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SEDIMENT (TSS)	Value	57
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SOIL (EST. SAVINGS)	Value	213.75
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	54
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Activity Action - Red Lake River Subwatershed Projects			
Practice	410 - Grade Stabilization Structure	Count of Activities	5
Description	Installation of a Grade Stabilization Structure.		
Proposed Size / Units	1.00 COUNT	Lifespan	15 Years
Actual Size/Units	1.00 COUNT	Installed Date	19-Nov-18
Mapped Activities	1 Point(s)		

Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SEDIMENT (TSS)	Value	36
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	SOIL (EST. SAVINGS)	Value	135
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		
Final Indicator for Red Lake River Subwatershed Projects			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	32
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Grant Activity - Red Lake River Subwatershed - Red Lake County - Grade Stabilization Project			
Description	Installation of one Grade Stabilization Project. The Red Lake River from the Black River to Gentilly River and the Black River from the Little Black River to the Red Lake River are on the TMDL Impaired Waters List for Turbidity. These reaches are a high priority because of the high importance of the Red Lake River, which provides a domestic supply use of the water source and provides abundant recreational uses. Red Lake County SWCD has targeted water quality improvement projects to twelve sites in the Black River, Cyr Creek, and Red Lake River Sub-Watersheds of the Red Lake River Watershed. This is based on data analysis obtained from using the Water Quality Decision Support System (WQDSS) tool (Stream Power Index and Water Quality Index layers), TMDL Impaired Waters List, DNR Stressor ID database, and the Soil and Water Assessment (SWAT) models. The data identified which sub-watersheds were contributing to these impairments, highlighted which fields in those sub-watersheds were contributing the most sediment, and even showed specific locations in the field which were most vulnerable to erosion. Red Lake County SWCD also conducted an Erosion Site Inventory in 2014, 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. Water Quality Improvement Projects, which include but are not limited to, grade stabilization structures, grassed waterways, and water & sediment basins, will be the Best Management Practices implemented to correct the erosion that is occurring at these site locations. Through the implementation of these Best Management Practices, the large amount of sediment that is being contributed from these subwatershed areas will be reduced and water quality will be improved.		
Category	AGRICULTURAL PRACTICES		
Start Date	25-Jul-17	**End Date**	20-Nov-17
Has Rates and Hours?	No		
Actual Results	There was one Grade Stabilization Structure constructed in Section 21 of Red Lake Falls Township. Local Match was received from the 2015 MARC&D Ecofootprint Grant.		

Activity Action - Red Lake River Subwatershed - Red Lake County Landfill			
Practice	410 - Grade Stabilization Structure	**Count of Activities**	1
Description	Installed one Grade Stabilization Structure in Section 21 of Red Lake Falls Township		
Proposed Size / Units	1.00 COUNT	**Lifespan**	10 Years
Actual Size/Units	1.00 COUNT	**Installed Date**	20-Nov-17
Mapped Activities	1 Point(s)		

Final Indicator for Red Lake River Subwatershed - Red Lake County Landfill			
Indicator Name	SEDIMENT (TSS)	**Value**	137
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Final Indicator for Red Lake River Subwatershed - Red Lake County Landfill			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	**Value**	97
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Final Indicator for Red Lake River Subwatershed - Red Lake County Landfill			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	513.7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	RUSLE2 (UPDATED)
Waterbody	Red Lake River		

Grant Activity - Technical and Engineering Assistance			
Description	Technical and Engineering Assistance will be provided by the SWCD staff and the Red River Valley Conservation Service Area Engineer. Practices must be planned and installed in accordance with technical standards and specifications of the NRCS Field Office Technical Guide. The landowner will be provided a copy of the preliminary design, the final design, Construction Specifications, O & M, reimbursement voucher, etc.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	17-Mar-15	**End Date**	29-Nov-18
Has Rates and Hours?	Yes		
Actual Results	Jim Hest, Red River Valley Conservation Service Area Engineer surveyed and designed each project. Jim Hest, RRVCSA Engineer and the SWCD Manager met with each landowner to review their preliminary project designs. The final designs were completed and the projects were put out on bids. The SWCD Board was responsible for accepting/approving each project bid. Jim Hest, RRVCSA Engineer assisted the contractors with construction. A Final Construction Inspection was completed by the RRVCSA Engineer for each project. The Practices were planned and installed in accordance with technical standards and specifications of the NRCS Field Office Technical Guide. The landowner 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
10.03.2018 Work Plan Revision Request	Journal	Journal Dated - 10/03/2018

Document Name	Document Type	Description
2015 BWSR CWF - C15-8948 Financial Report	Grant	2015 Cyr Creek, Black River, and Red Lake River Sub-Watersheds Water Quality Improvement Projects
2015 C15-8948 CWF Financial Report	Grant	2015 Cyr Creek, Black River, and Red Lake River Sub-Watersheds Water Quality Improvement Projects
2015 C15-8948 Final Financial Report	Grant	2015 Cyr Creek, Black River, and Red Lake River Sub-Watersheds Water Quality Improvement Projects
2015 CWF Red Lake River Watershed Map	Grant	2015 Cyr Creek, Black River, and Red Lake River Sub-Watersheds Water Quality Improvement Projects
2015 Competitive Grant	Grant Agreement	2015 Competitive Grant - Red Lake SWCD
2015 Competitive Grant executed	Grant Agreement	2015 Competitive Grant - Red Lake SWCD
2015 Financial Report	Grant	2015 Cyr Creek, Black River, and Red Lake River Sub-Watersheds Water Quality Improvement Projects
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 07/16/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/10/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/30/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/30/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/30/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 08/06/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 08/06/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 07/30/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/05/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/03/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/23/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/30/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/03/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/09/2018
Application	Workflow Generated	Workflow Generated - Application - 09/25/2014
Interim Financial Report	Grant	2015 Cyr Creek, Black River, and Red Lake River Sub-Watersheds Water Quality Improvement Projects
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/28/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/02/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 10/03/2018

Document Name	Document Type	Description
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 07/09/2015
grantmap_12559_2014-09-20_12-46-35-PM.jpg	Grant	2015 Cyr Creek, Black River, and Red Lake River Sub-Watersheds Water Quality Improvement Projects