

# RED LAKE WATERSHED DISTRICT

December 13, 2018

Agenda

9:00 a.m.

9:00 a.m.	Call to Order	Action
	Review and approve agenda	Action
	Requests to appear	Information
	November 27, 2018 Minutes	Action
	Financial Report dated December 12, 2018	Action
	Investment Summary	Information
	Red Lake Watershed District Ditch #16, RLWD Proj. 177 US Army Corps of Engineers Permit Requirement Phase 1 Archeological Survey Cost Estimate	Info./Action
	RLWD Ditch 7, RLWD Project No. 20-Inclusion of Land	Info./Action
9:30 a.m.	Agassiz NWR-CPL Grant Partnership Request	Info./Action
	Black River Impoundment, RLWD Proj. No. 176 Wetland Conservation Act TEP discussion	Information
	Challenger Ditch, RLWD Proj. No. 122 Hearing Information	Info./Action
	Thief River Falls West Side FDR Project, RLWD Proj. No. 178 Petition to Transfer Ditch Systems MnDOT LPP Grant	Information
	Red Lake River 1W1P, RLWD Project No. 149-Amendment Hearing	Information
	BWSR-Buffer Law Determination of Adequacy	Information
	Gully Co-Op Wild Rice AGRI Crop Research Grant Proposal Letter of Support	Information
	Permit No. 18126, Pat Wichterman-Violation-Red Lake County	Information
	Permit: No. 18157	Action

Administrators Update	Information
Legal Counsel Update	Information
Managers' updates	Information
Adjourn	Action

UPCOMING MEETINGS

December 18, 2018	RRWMB, Ada, 9:30 a.m.
December 19, 2018	Red Lake River Comp. Watershed Management Plan Amendment Hearing, 10:00 a.m.
December 27, 2018	RLWD Board Meeting, 9:00 a.m.
December 25, 2018	Office Closed-Christmas Day
January 15-17, 2019	Red River Basin Land & Water International Summit Conference, Grand Forks
February 14, 2019	Drainage and Water Conference-Rinke Noonan
March 20-21, 2019	Joint Annual RRWMB & FDRWG Conference, Moorhead

# DRAFT

RED LAKE WATERSHED DISTRICT  
Board of Manager's Minutes  
November 27, 2018

President Dale M. Nelson called the meeting to order at 9:00 a.m. at the Red Lake Watershed District Office, Thief River Falls, MN.

Present were: Managers Terry Sorenson, Gene Tiedemann, Brian Dwight, Dale M. Nelson, Allan Page, and LeRoy Ose. Absent: Les Torgerson. Staff Present: Myron Jesme and Tammy Audette and Legal Counsel, Delray Sparby.

The Board reviewed the agenda. President Nelson requested the addition of the Four-Legged Lake Project, RLWD Project No. 102A, be added to the agenda. A motion was made by Ose, seconded by Dwight, and passed by unanimous vote that the Board approve the agenda with the addition of the Four-Legged Lake Project, RLWD Project No. 102A. Motion carried.

The Board reviewed the November 8, 2018 minutes. Motion by Sorenson, seconded by Page, to approve the November 8, 2018 Board meeting minutes as presented. Motion carried.

The Board reviewed the Financial Report dated November 26, 2018. Motion by Dwight, seconded by Tiedemann, to approve the Financial Report dated November 26, 2018 as presented. Motion carried. The Board reviewed the Investment Summary as of November 27, 2018. It was the consensus of the Board to authorize staff to solicit quotes for the Certificate of Deposit to mature on December 12, 2018, and accept the highest quote presented.

The Board reviewed the Engineer's Certificate of Substantial Completion and Final Pay Estimate in the amount of \$19,369.50, to Red Lake Builders, Inc., for construction of the Little Pine Lake Wildlife Management Area Outlet Structure Repair, RLWD Project No. 26. Administrator Jesme indicated that he had contacted Minnesota Department of Natural Resource Wildlife Manager, Dave Rave, to inform him of the final payment. Mr. Rave indicated that they were very happy with the project and felt there was no reason not to proceed in final payment. Motion by Tiedemann, seconded by Page, to approve Final Payment, in the amount of \$19,369.50, to Red Lake Builders, Inc., for construction of the Little Pine Lake Wildlife Management Area Outlet Structure Repair. Motion carried.

Nate Dalager, HDR Engineering, Inc., stated that the subcommittee for the Pine Lake Area Project, RLWD Project No. 26, requested Dalager to review the six potential retention sites to determine if the sites meet the criteria for on-channel storage. Dalager stated that he will gather the information and present a report back to the Board.

Nate Dalager, HDR Engineering, Inc., stated that the District needs to submit, to the Natural Resource Conservation Service (NRCS), official Board action if the District wishes to proceed with the RCPP process for the Four-Legged Lake Project, RLWD Project No. 102A. After considerable discussion, Motion by Tiedemann, seconded by Ose, to dismiss the NRCS RCPP process, for the Four-Legged Lake Project, RLWD Project No. 102A. Motion carried.

Chester Powell, Clearwater SWCD, appeared before the Board to request funding assistance for Clearwater County to complete 3D aerial imaging of Clearwater County. Mr. Powell indicated that the estimated cost of the aerial imagery is \$75,375. Clearwater SWCD was awarded a grant through BWSR, but it did not cover all cost for the 3D aerial imaging project. Mr. Powell stated that funds from Wild Rice Watershed District and Clearwater County have been secured contingent upon funding from the District. Upon questions from the Board, Mr. Powell indicated that he would like to request funding from the District in the amount of \$7,537.50 which would assist in funding the shortfall. Motion by Page, seconded by Sorenson, to approve cost-share in the amount of \$7,537.50, with the Clearwater SWCD to complete 3D aerial imaging in Clearwater County. Motion carried.

Administrator Jesme stated that he and Manager Sorenson attended the Judicial Ditch 72 Joint Board meeting on November 20, 2018, to discuss the alternative for the redetermination of benefits for Judicial Ditch 72, which is under the jurisdiction of the Joint Board, and State Ditch 61, which is under the jurisdiction of Polk County. If the alternatives mentioned proceed to the final hearing, it could lead to elimination of the Judicial Ditch 72 Joint Board. Jesme stated that based on recommendation, some laterals of Judicial Ditch 72 would be combined with State Ditch 61 and the remainder of Judicial Ditch 72 system would be turned over to the District and Polk County would keep County Ditch 88 and State Ditch 61. As part of the proceeds, the Joint Ditch 72 Board, Polk County and District would hold a joint hearing. Jesme stated that as part of the hearing proceedings, the District could also abandon Judicial Ditch 11, which was never abandoned when the Winsor-Hangaard Project, RLWD Project No. 113 was constructed.

Additional discussion was had with Chester Powell, Clearwater SWCD, concerning buffer compliance in Clearwater County. Mr. Powell stated all ditches in Clearwater County are in compliance with the new buffer law. Powell further noted that the SWCD just completed installation of four side water inlets that were partially funded by the District.

Engineer Tony Nordby, Houston Engineering, Inc. (HEI), appeared before the Board to discuss the estimated costs and funding breakdown for the proposed Black River Impoundment, RLWD Project No. 176. The estimated project costs if \$8,063,940.00. Nordby stated that the additional increase of drainage area, contributed to the increased the project costs. Manager Dwight questioned the possibility of establishment of wetland banking acres. Nordby stated that costs for wetland banking are not included in the costs presented today. Nordby reviewed the RRWMB Star Value funding process. Staff at HEI is moving forward with the permitting process. Discussion was held on funding scenarios with the RRWMB and the State of Minnesota.

Administrator Jesme stated that Nick Knott has agreed to pay the same rental rate from 2018 in 2019, \$72.00 per acre, for rental of agricultural land located on land purchased by the District for the proposed Black River Impoundment, RLWD Project No. 176. Knott requested that he be allowed to plant soybeans, therefore the harvest date of September 1, would need to be removed. The District agrees to pay crop damages, if needed, for construction purposes. Motion by Ose, seconded by Tiedemann, to approve the rental agreement with Nick Knott at \$72.00 per acre,

remove the September 1, 2019 harvest date to allow for the planting of soybeans, and the District agrees to pay crop damages for purposes of construction only, for agricultural land in the proposed Black River Impoundment, RLWD Project No. 176. Motion carried.

Administrator Jesme stated that District staff is currently accumulating names for the Viewers' Report for the Water Management District on the Thief River Falls Westside Flood Damage Reduction Project, RLWD Project No. 178. The Watershed Management District fee process will need to be set up prior to the hearing process.

Administrator Jesme stated that the comment period for the draft Plan Amendment to the Red Lake River Comprehensive Watershed Management Plan, RLWD Project No. 149, ends November 30, 2018. The Red Lake River 1W1P Planning Workgroup Committee will meet the following week to review any comments received and forward the comments to BWSR. The hearing for the Plan Amendment will be held on December 19, 2018 at 10:00 a.m. at the District office in conjunction with the Red Lake River 1W1P Policy Committee meeting. Engineer Tony Nordby, HEI, will plan to attend the hearing, and will be prepared to give information on the proposed Black River Impoundment.

The Board reviewed correspondence requesting individuals from Northwestern Minnesota to apply to be on the BWSR Board.

The Board reviewed a quote in the amount of \$1,022.35 for AutoCAD Civil 3D Government single-user annual subscription renewal. Motion by Dwight, seconded by Tiedemann, to approve the renewal of the AutoCAD Civil 3D Government single-user annual subscription renewal in the amount of \$1,022.35. Motion carried.

Motion by Ose, seconded by Tiedemann, to table Permit No. 18148, Ray Kvalvog, Poplar River Township, Red Lake County, until the 2019 spring melt. Motion carried.

The Board reviewed a letter from Red Lake County Interim County Engineer, Jerilyn Swenson, regarding RLWD Permit No. 18126, Pat Wichterman, Emardville Township, Red Lake County. Staff member Loren Sanderson stated that applicant did not receive approval to cut a Red Lake County road prior to the installation of the tile system. The landowner indicated to Sanderson, that he was not aware that the Contractor, Field Drainage, Inc., was going to cut the county road. Conditions on the permit stated that the applicant must meet the specifications/conditions of the public road and/or ditch authority. Sanderson referred to the District's Rules and Regulations as it relates to Contractor liability, as Field Drainage, Inc., also installed a tile system south of Terrebonne Township, Red Lake County, without applying for a District permit. It was the consensus of the Board, to check with Red Lake County on their compliance procedures for after the fact permits. A letter should be submitted to the landowner for installation of tile in Terrebonne Township, Red Lake County, stating that they are in violation of the District's Permit Rules and Regulations.

Administrators update:

- Jesme and Manager Ose attended the RRWMB in Crookston on November 20, 2018. Jesme did leave the meeting early to attend the Joint Ditch 72 Board meeting, also in Crookston.
- A Thief River 1W1P Advisory and Policy Committee meeting was held on November 14, 2018 in Grygla. The next meeting will be held on December 12, 2018 at the District office.
- There will be a Clearwater River Watershed Restoration and Protection Strategies meeting at the District office on November 28, 2018. The meeting will include various state and local governmental agencies to discuss and brainstorm restoration and protection strategies for the Clearwater River watershed. Staff member Corey Hanson and staff from MPCA will lead the meeting and gather information to be included in the final WRAPS report.
- Jesme will be attending the MAWD Administrators meeting on November 27<sup>th</sup>, followed by the MAWD Annual meeting in Alexandria. Jesme will participate in a panel discussion concerning recent DNR Guidance Document and how it pertains to Public Waters and Public Drainage Systems.
- A May 2018 Water Quality Report was included in the packet.

Legal Counsel Sparby discussed a letter received from the Clearwater County Environmental Services regarding the lowering of the outlet culvert on Judicial Ditch 5, RLWD Project No. 102. Sparby recommended forwarding a copy to the MnDNR, and contacting them in regard to their jurisdiction.

Manager Ose asked if other counties had requested funding for 3D Aerial surveying. Administrator Jesme stated that the District funded Beltrami County in 2012 to complete aerial photography in Beltrami County.

Motion by Ose, seconded by Sorenson, to adjourn the meeting. Motion carried.

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LeRoy Ose, Secretary

**RED LAKE WATERSHED DISTRICT**  
**Financial Report for December 12, 2018**

<b>Ck#</b>	<b>Check Issued to:</b>	<b>Description</b>	<b>Amount</b>
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	\$ 3,287.11
online	MN Department of Revenue	Withholding taxes	597.24
online	Public Employees Retirement Assn.	PERA	2,216.44
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	218.02
online	MN Department of Revenue	Withholding taxes	0.67
37182	City of Thief River Falls	Electricity, water, sewer, etc.	658.54
37183	Sjoberg's Cable TV	Internet	96.95
37184	Ace Hardware	Fluorescent light bulbs	99.99
37185	Ameripride Services, Inc.	Rug rental for November and December	72.86
37186	Tammy Audette	Clean offices in November and wash windows inside and out	355.00
37187	Brault Construction LLC	*Repair smashed culvert-Proj. 175 & riprap & fabric,etc.134/164	2,284.98
37188	Centurylink	Long distance telephone expense	275.94
37189	Crookston Times Printing	Draft Plan Amendment ad	112.95
37190	Don's Sewing and Vacuum	Repair vacuum cleaner	117.99
37191	The Exponent	Draft Plan Amendment ad	73.20
37192	Farmers Union Oil Company	Gas for vehicles	206.92
37193	Gallagher Benefit Services	Completion of class and compensation study	8,400.00
37194	Garden Valley Technologies	Monthly telephone maintenance	125.25
37195	HDR, Inc.	**Engineering fees	97,633.54
37196	Houston Engineering, Inc.	***Consulting on 167A grant & engineering fees for Black Rvr	9,849.00
37197	Hugo's	Meeting supplies	102.02
37198	Les's Sanitation, Inc.	Garbage pickup	46.30
37199	Red River Watershed Mgmt.Board	2nd half of 2018 taxes	996,457.85
37200	Maple Lake Improvement District	Lab analysis of water quality samples	380.00
37201	Marco	****See below for explanation	3,926.31
37202	Marshall County SWCD	2018 Erosion Control Structure funds	12,500.00
37203	MN Energy Resources Corp	Heating expense	100.15
37204	NCPERS	Staff life insurance premium	112.00
37205	Northdale Oil Inc.	Gas and car wash for vehicle	82.30
37206	Northern Technologies, LLC	Geotechnical Exploration & Engineering review-TRF Westside	6,770.00
37207	Northwest Beverage, Inc.	H2O for office	17.25
37208	Office Depot	Paper towels for bathroom dispensers	62.96
37209	Olson Construction	Remove snow from parking lot in November	180.00
37210	LeRoy Ose	Mileage and per diem meals	283.61
37211	Quill Corporation	2 easels,postit notes, colored paper	125.93
37212	Richards Publishing Co.	2 weeks ad for Plan Amendment and 1 week for Plan hearing	154.00
37213	Rinke Noonan	Monthly legal services retainer	200.00
37214	Red Lake Builders, Inc.	Final construction payment for Little Pine Lake WMA project	19,369.50
37215	Sun Life Financial	Staff life insurance premium	128.56
37216	TD Ameritrade Trust Company	Deferred Compensation	380.95
37217	Gene Tiedemann	Mileage	208.19
37218	Thief River Falls Times	Plan Amendment ads and Veterans Day ad	100.82
37219	Wright Construction, Inc.	Grease Schirrick Dam lift gates	440.00
online	Brian Dwight	Mileage	377.26
online	Terry Sorenson	Mileage	111.17
online	Blue Cross Blue Shield	Health insurance premiums	3,885.50
online	Aflac	Staff paid insurances	613.46
	<b>Payroll</b>		
	Check #11550 -11558 & 7442		11,406.66
	<b>Total Checks</b>		<b>\$ 1,185,205.34</b>

**Financial Institutions:****Northern State Bank**

Balance as of November 26, 2018	\$ 91,931.43
Total Checks Written	(1,185,205.34)
Receipt #414441 State of Minnesota-Reimbursement for 2 water quality grants	2,138.87
Receipt #414443 Northern State Bank-Monthly interest	113.10
Receipt #414445 CDARS (Unity Bank)-Monthly interest on CDs	1,620.47
Receipt #414446 Polk County-Current, delinquent, and special revenue	772,307.86
Receipt #414447 State of Minnesota-Partial payment of grant reimbursement request, Proj. 157D	543.38
Receipt #414455 Red Lake County-Current and special revenue tax settlement	118,061.19
Receipt #414457 Clearwater County-Current, delinquent and special revenue tax settlement	191,456.45
Receipt #414458 Robert and Carole Zammert-Annual rent for Euclid East Impoundment	742.76
Receipt #414459 Marshall County-State Ditch 83 tax settlement	9,357.47
Receipt #414460 Transfer in from American Federal Bank	300,000.00
Balance as of December 12, 2018	<u>\$ 303,067.64</u>

**Border State Bank**

Balance as of October 31, 2018	\$ 18,186.59
Receipt #414442 Border State Bank-Monthly interest	7.16
Balance as of November 30, 2018	<u>\$ 18,193.75</u>

**American Federal Bank-Fosston**

Balance as of November 26, 2018	\$ 1,690,274.85
Receipt #414437 Receipt only to record interest on CD (\$355.36)	-
Receipt #414438 Pennington SWCD-Reimburse for Pay request #4-SWI grant	202.52
Receipt #414439 RRWMB-Reimburse for FDRWG meeting lunch	276.69
Receipt #414440 Polk County-USFWS PILT	1,659.05
Receipt #414444 American Federal Bank-Monthly interest	2,013.33
Receipt #414448 Itasca County-Current and delinquent tax settlement	369.61
Receipt #414449 Marshall County-Current and delinquent taxes	63,562.80
Receipt #414450 Roseau-Current tax settlement	112.99
Receipt #414451 Marshall County-DNR ConCon State Ditch 83 settlement	178.15
Receipt #414452 Beltrami County-Current, delinquent, and State Ditch 83 tax settlement	82,128.95
Receipt #414453 Mahnommen County-Current and delinquent tax settlement	1,892.67
Receipt #414454 Koochiching County-Current and delinquent tax settlement	1,192.48
Receipt #414456 Pennington County-Current, delinquent and special revenue tax settlement	281,413.40
Receipt #414460 Transfer to Northern State Bank	(300,000.00)
Balance as of December 12, 2018	<u>\$ 1,825,277.49</u>



**\*Brault Construction LLC**

Proj. 175 Cut smashed culvert, install	700.00
Proj. 134/164 Riprap,fabric, etc.	<u>1,584.98</u>
<b>TOTAL</b>	<b>2,284.98</b>

**\*\*HDR, Inc.**

Proj. 26 Pine Lake FDR	4,870.10
Proj. 26A Little Pine Lake	247.00
Proj. 121 Louisville Parnell	575.70
Proj. 178 TRF Westside(Sept.to Oct.)	56,650.84
Proj. 178 TRF Westside(Oct.to Nov.)	<u>35,289.90</u>
<b>TOTAL</b>	<b>97,633.54</b>

**\*\*\*Houston Engineering, Inc.**

Proj. 167A Drainage/Insp. Grant	147.00
Proj. 176 Black River Impoundment	<u>9,702.00</u>
<b>TOTAL</b>	<b>9,849.00</b>

**\*\*\*\* Marco**

Monthly copier maintenance	452.92
Labor for installation &setup 3 comput	1,540.00
Monthly Office 365	187.50
Brake and pick rollers for scanner	398.76
Managed IT services	<u>1,347.13</u>
<b>TOTAL</b>	<b>3,926.31</b>

## Red Lake Watershed District

as of December 12, 2018

<u>Name of Institution</u>	<u>Purchase/ Current Value</u>	<u>Int. Rate</u>	<u>Mat. Date</u>	<u>*Maturity Amount</u>
10010 Northern State Bank (checking)	\$ 303,067.64	0.80%		\$ 303,067.64
10020 Border State Bank (Investor savings) Thief River Falls	\$ 18,193.75	0.48%		\$ 18,193.75
10030 American Federal Bank Fosston	\$ 1,825,277.49	1.50%		\$ 1,825,277.49
10660 CDARS-Amarillo National Bank, TX 12 mos. CD, int. paid monthly	\$ 146,500.00	1.50%	1/17/2019	\$ 146,500.00
10660 CDARS-Conway, AR 12 mos. CD, int. paid monthly	\$ 53,500.00	1.50%	1/17/2019	\$ 53,500.00
10860 American Federal-Fosston 6 month monthly interest compounded	\$ 200,000.00	1.95%	1/24/2019	\$ 203,900.00
10470 CDARS-Bank of America, Charlotte, NC monthly interest payment via ACH	\$ 200,000.00	1.95%	3/5/2019	\$ 200,000.00
10740 CDARS-Signature Bank, New York monthly interest payment via ACH	\$ 200,000.00	2.05%	7/18/2019	\$ 200,000.00
10740 CDARS-Valley National Bank monthly interest payment via ACH	\$ 159,000.00	2.05%	7/18/2019	\$ 159,000.00
10740 CDARS-Signature Bank, New York monthly interest payment via ACH	\$ 41,000.00	2.05%	7/18/2019	\$ 41,000.00
10870 American Federal-Fosston-12 month monthly interest compounded	\$ 201,417.69	2.10%	7/26/2019	\$ 204,200.00
10260 CDARS-SmartBank, Pigeon Forge, TN (int.pd quarterly via ACH)	\$ 200,000.00	2.05%	9/5/2019	\$ 204,100.00
10710 CDARS-BOKD, National Assn., Tulsa (int.pd monthly via ACH)	\$ 200,000.00	2.33%	10/3/2019	\$ 200,000.00
10880 Ultima Bank-Fosston (int. compounded sem-annually)	\$ 600,000.00	2.52%	10/22/2019	\$ 615,120.00
10890 RiverWood Bank-Bemidji (Bagley) Interest paid at maturity	\$ 200,000.00	2.35%	11/8/2019	\$ 204,700.00
yet to invest Edward Jones	<u>\$ 200,000.00</u>	2.75%	12/14/2018	<u>\$ 200,000.00</u>
	<u>\$ 4,747,956.57</u>			<u>\$ 4,778,558.88</u>

Red Lake Watershed District  
Rates for December 12, 2018

For maturing \$200,000 CD First National Bank-Bemidji 1.05% Mat. 12-12-18

Bank Name	Amount	Rate	APY	TERM	Accrued Int. Compounded
<b>RiverWood Bank</b>	200,000.00	2.50	2.52	12 months	comp. quarterly
Bagley					
<b>Citizens State Bank</b>	200,000.00	2.00	2.01	12 mos.	comp. semi-annual
Roseau					
<b>Edward Jones</b>	200,000.00	2.75	2.788	1 yr.	monthly via ACH
Thief River Falls	200,000.00	2.70	2.737	1 yr.	at maturity
<b>American Federal Bank</b>	200,000.00	1.982	2.00	12 mos.	compounded monthly
Fosston					
<b>Northern State Bank</b>	200,000.00	1.90		12 mos.	
Grygla					
<b>First National Bank</b>	200,000.00	2.20	2.21	12 months	comp. semi-annual
Bagley					
<b>Deerwood Bank</b>	200,000.00	0.80	0.80	12 months	quarterly
Blackduck	200,000.00	1.25	1.26	24 mos.	quarterly
	200,000.00	1.75	1.76	36 mos.	quarterly
<b>American Federal Bank</b>	200,000.00	1.982	2.00	12 mos.	monthly
Crookston					
<b>Security State Bank</b>	200,000.00	1.900	1.90	12 mos.	compounded
Oklee					
<b>American State Bank</b>	200,000.00	1.50	1.50	1 yr.	monthly or quarterly
Grygla					
<b>First National Bank-Bemidji</b>	200,000.00	1.95	1.96	12 mos.	paid quarterly
Bemidji					
<b>Ultima Bank</b>	200,000.00	2.6	2.62	1 yr.	comp. semi-annual
Fosston					
<b>First National Bank</b>	200,000.00	1.9	1.9	12 mos.	comp. annual
McIntosh					

24 quote request sheets faxed/emailed to financial institutions



DEPARTMENT OF THE ARMY  
ST. PAUL DISTRICT, CORPS OF ENGINEERS  
180 FIFTH STREET EAST, SUITE 700  
ST. PAUL, MN 55101-1678

REPLY TO ATTENTION OF  
REGULATORY BRANCH

Regulatory File No. 2018-03423-LSP

Red Lake Watershed District  
c/o Myron Jesme  
1000 Pennington Avenue South  
Thief River Falls, Minnesota 56701

NOV 28 2018

Dear Mr. Jesme:

The St. Paul District, U.S. Army Corps of Engineers (Corps), is evaluating your application for a Department of the Army (DA) permit to discharge fill material in waters of the United States in conjunction with your proposal to improve approximately nine miles of Ditch 16 in Polk County, Minnesota. The project site is located in Section 36, Township 153 N, Range 50 W; Sections 31 to 36, Township 153 N, Range 49 W; and, Sections 31 to 33, Township 153 N, Range 48 W, in Polk County, Minnesota.

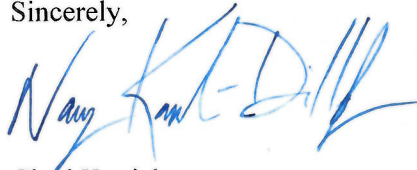
The Corps has a statutory responsibility to consider the effect of our actions, including permit decisions, on historic properties (e.g., buildings, structures, archaeological sites, objects) pursuant to the National Historic Preservation Act of 1966 (Public Law 89-665), as amended. When historic properties are suspected to exist within the Corps permit area, the Corps may require a survey to determine the presence, or absence, of historic properties. If historic properties are identified within the permit area, additional investigations may be necessary to determine whether the resource is eligible for inclusion on the National Register of Historic Places (NRHP). The result of the investigations will inform the Corps as to the appropriate measures to be implemented in consideration of effects on historic properties.

When there is high probability of cultural resources in the project area, we need to assure that a survey is performed to determine if, in fact, any such resources are present. In this case, we have identified a high potential for archaeological resources within the project area. In addition, there is a known archaeological site directly south and potentially overlapping the proposed project area western extent, near Grand Marais Creek. Therefore, we are requiring an archaeological investigation of all areas of ground disturbance, including staging areas, access roads, borrow areas, and spoil pile locations, to determine the nature and extent of any such resources within the project area. The archaeological survey shall include all areas of ground disturbance within Section 36, T153N, R50W, and then east for at least two miles to include Sections 31 and 32, T1153N, R49W, including the crossing under 430<sup>th</sup> Ave NW.

The survey must be completed and we must consult with the Minnesota State Historic Preservation Office (SHPO) before we can make a final permit decision. If significant archaeological resources are identified, and will be adversely affected by the issuance of our permit, mitigation may be required. All archaeological investigations must be completed by a qualified archaeologist that meets the Secretary of the Interior's professional qualification standards (36 CFR Part 61, Appendix A). For a list of qualified archaeologists, please visit the website [www.mnhs.org/preservation/directory](http://www.mnhs.org/preservation/directory), and select "Archaeologists" in the "Search by Specialties" box.

Once the archaeological survey has been completed, please submit **two bound copies** (not just stapled together) of the report to our office for review and coordination with the SHPO. If you have any questions, please contact Larry Puchalski in our Bemidji office at (651) 290-5339 or Lawrence.S.Puchalski@usace.army.mil. In any correspondence or inquiries, please refer to the Regulatory file number shown above.

Sincerely,



FOR

Chad Konickson  
Chief, Regulatory Branch

December 11, 2018

Red Lake Watershed District  
c/o Myron Jesme  
1000 Pennington Avenue South  
Thief River Falls, MN 56701

Re: Phase I Archaeological Survey: Ditch 16 Improvement.  
ACE Regulatory File No 2018-03423-LSP

Thank you for the opportunity to submit this proposal to conduct a Phase I Archaeological Survey for the Watershed Ditch 16 Improvement Project ("Project") in Polk County, Minnesota (Figure 1). The Project proposes to improve approximately 9 miles of Ditch 16 within Section 36, T153N, R50W; Sections 31 to 36, T153N, R49W; and, Sections 31 to 36, T153N, R48W.

The Saint Paul District, U.S. Army Corps of Engineers (Corps), pursuant to statutory responsibilities, recommends Phase I Archaeological survey of all areas of ground disturbance within Section 36, T153N, R50W; and then east for at least 2 miles to include Sections 31 and 32, T153N, R49W, including the crossing under 430<sup>th</sup> Ave. NW (Figure 2).

The Phase I Archaeological survey will be conducted to satisfy the Corps recommendations and will be performed in accordance with the Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation (48 FR 44716-44740) and the *State Archaeologist's Manual for Archaeological Projects in Minnesota* (2011).

Survey methods will include close interval pedestrian inspection of all proposed Project components to locate artifacts, features, architectural remains and other evidence of human occupation or utilization. A significant buffer will be included to identify landscape features that may indicate earthworks, burial mounds or cemeteries. The pedestrian survey will be supplemented with subsurface testing. Subsurface tests will be used to identify soil horizons with the potential to contain intact archaeological deposits. Stratigraphically intact areas will be further examined to determine the presence or absence of buried cultural materials and may require hand excavated shovel testing.

This estimate is based on the following key assumptions:

- RLWD will provide detailed project maps in ESRI shp formats with coding and legends.
- RLWD will obtain access to the land where facilities are proposed and notify land owners.
- The field inspection is expected to require one mobilization to complete.
- Pedestrian survey cannot be conducted when the ground visibility is less than 30%.
- Subsurface testing will include a maximum of 6 subsurface test units.
- Cultural resources identified will be documented and recommendations to minimize or avoid negative impacts will be provided. If impacts cannot be avoided, an evaluation of the resource's eligibility to the National and State Register of Historic Places may be required. This proposal does not include a budget for determinations of eligibility or other mitigation methods.
- Artifacts found will be photographed, analyzed and left in the field whenever possible. Select artifacts may be collected for further analysis but will be returned to the appropriate property owner.
- If artifacts are to be curated at the Minnesota Historical Society, there will be additional artifact preparation and curation fees. The additional cost will be determined by the number of artifacts recovered.
- Archaeological sites, site leads, and isolated finds that are identified during the field inspection will be documented as specified by the Minnesota Office of the State Archaeologist.
- Project layouts may go through several alterations before completion. If layout changes occur after the survey is completed, additional survey days may be needed and will require additional costs.
- A draft report of the survey will be submitted to RLWD for review, followed by a final report.

**1. Principal Staff:**

Jim Cummings will serve as Principal Investigator for the project. Mr. Cummings meets the Secretary of the Interior's qualifications to conduct all levels of Prehistoric and Historic Archaeology. Field survey will be conducted by Chris Moose under the direct supervision of Jim Cummings.

**2. Deliverables:**

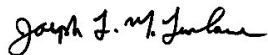
We will supply the following deliverables:

- Archaeological permits.
- Field inspection of project APE including travel and per Diem.
- ESRI shapefiles of all archaeologically-examined areas.
- Ongoing communication with project managers.
- Coordination with federal and state agencies (as required).
- Up to four hours of agency consultation.
- Archaeological Site form submission (if needed).
- Digital copy of a draft Phase I survey report and two rounds of review and comment.
- Digital copy of the final Phase I survey report.

**3. Estimated Project Budgets** (valid for 120 days from date of submission).

Phase I field survey (2 days including per Diem and expenses):	\$2,300.00
Phase I draft and final reports:	<u>\$1,200.00</u>
<b>Phase I cost estimate (not-to-exceed):</b>	<b>\$3,500.00</b>

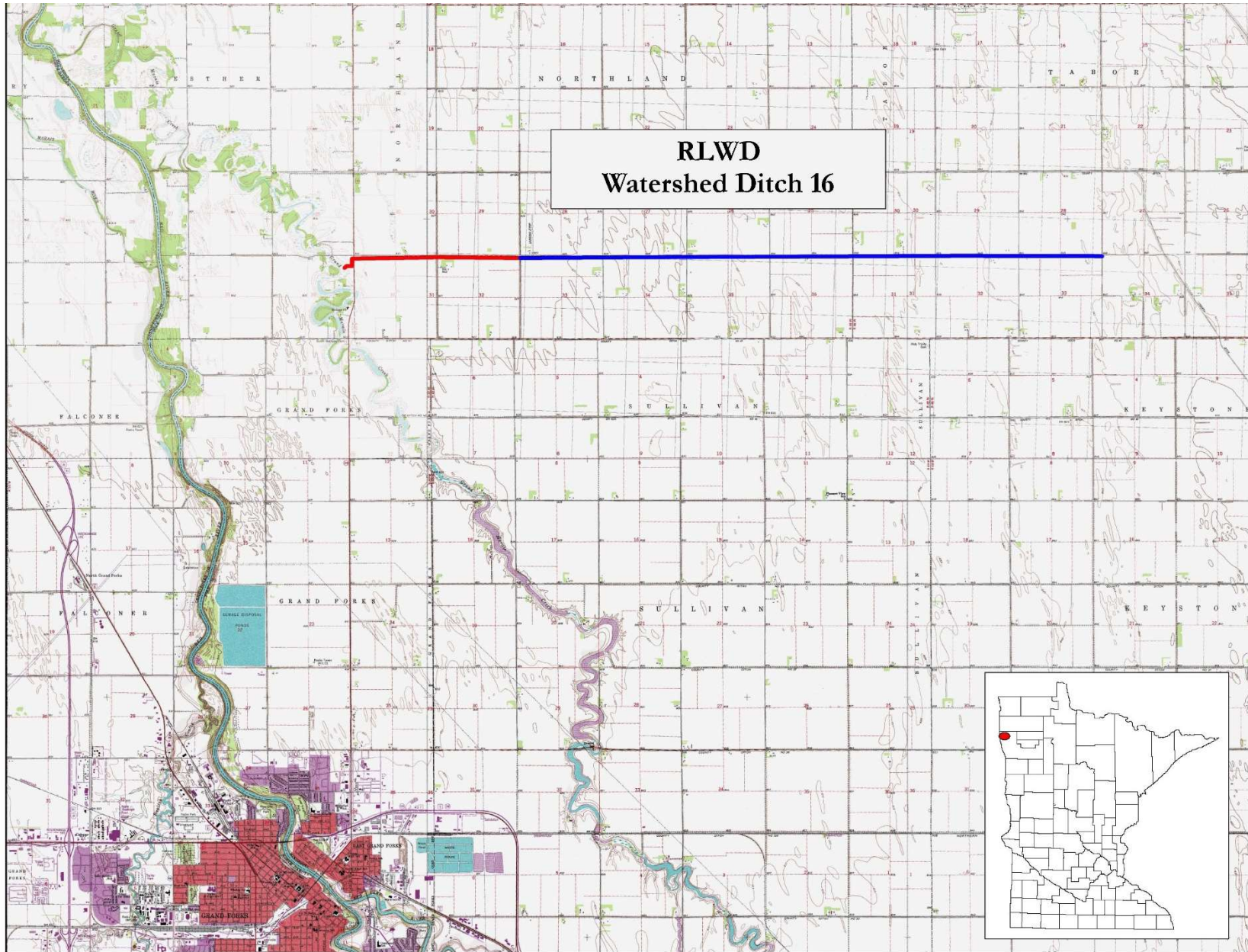
Work will begin immediately upon receipt of contract/PO but areas with poor surface exposure would limit the effectiveness of the survey. A limited number of subsurface tests is included in this estimate, but there remains a possibility that additional subsurface testing will be necessary. Please contact me if you have any questions or feel the survey strategy should be modified. Thank you again for considering our services.



Joseph L. McFarlane  
651-283-6781 work  
McFarlane Consulting LLC  
684 Orleans Street  
St. Paul, MN 55107



Figure 1: Project Vicinity and Layout



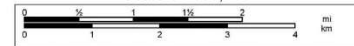
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Scale 1 : 100,000

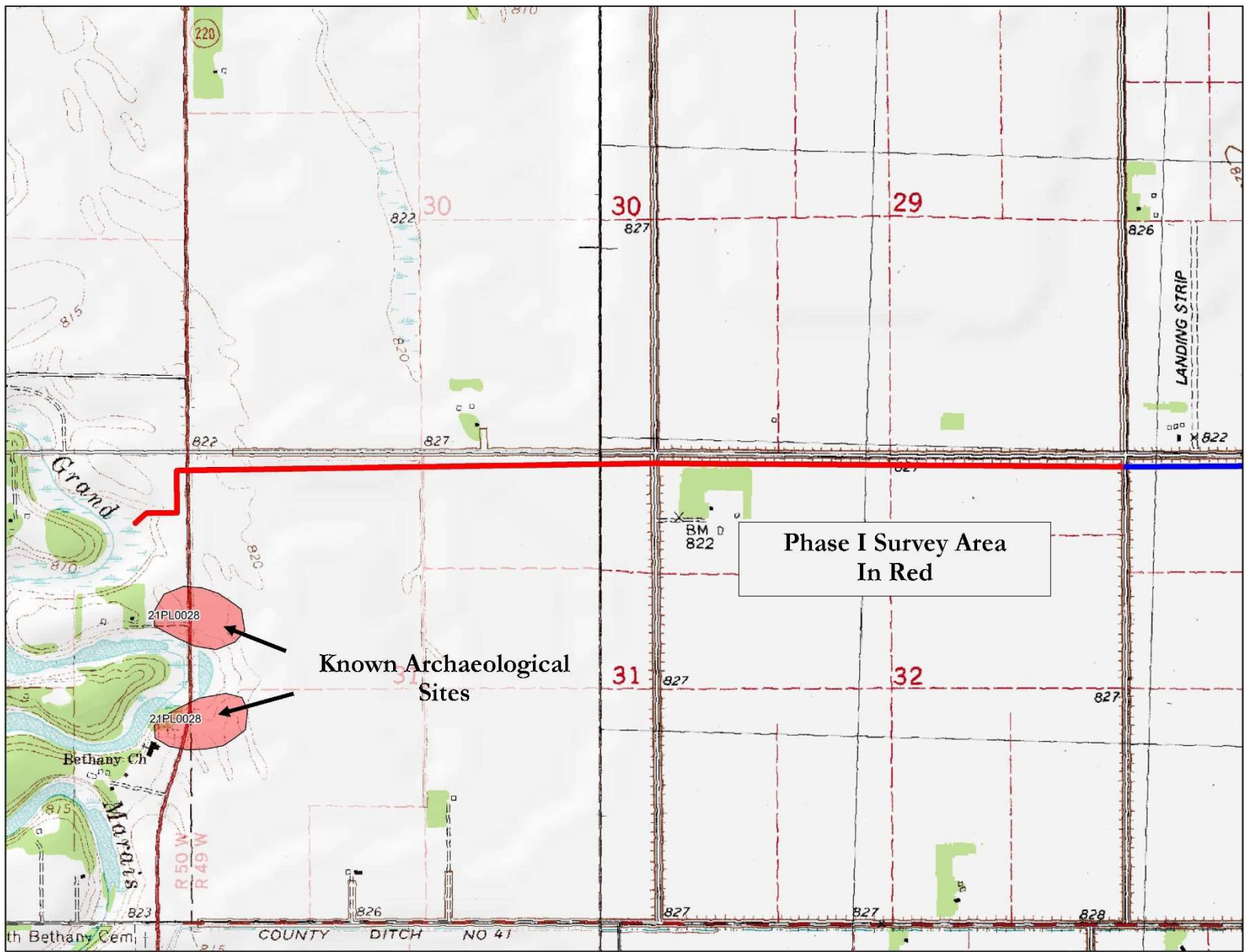


1" = 1.58 mi

Data Zoom 11-0



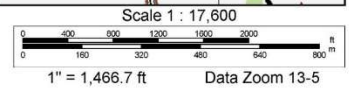
Figure 1: Project Vicinity and Layout



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# Red Lake Watershed District

**President**  
Dale M. Nelson

**Vice President**  
Gene Tiedemann

**Treasurer**  
Terry Sorenson

1000 Pennington Avenue South  
Thief River Falls, MN 56701  
218-681-5800  
218-681-5839 FAX  
e-mail: [RLWD@redlakewatershed.org](mailto:RLWD@redlakewatershed.org)  
[www.redlakewatershed.org](http://www.redlakewatershed.org)

**Secretary**  
LeRoy Ose

**Managers**  
Les Torgerson  
Allan Page  
Brian Dwight

December 11, 2018

Wayne and Debra Vettleson  
20499 350<sup>th</sup> Avenue SE  
Trail, MN 56684

Dear Mr. and Mrs. Vettleson:

The Red Lake Watershed District Board of Managers approved your Petition of Use of Red Lake Watershed District Ditch No 7, RLWD Project No. 20, for the inclusion of 20 acres, located in Section 26, Equality Township, Red Lake County, into the benefitted area of said system. As part of the approval, it was noted that all costs incurred for the petition proceedings shall be paid by the landowner. Below is a breakdown of the costs:

Richards Publishing-legal ad for hearing notice	\$125.75
Ihle Sparby & Haase, P.A.-legal services	72.00
Staff expenses	<u>585.53</u>
TOTAL EXPENSES:	\$783.28

Please remit payment in the amount of \$783.28 to the District for costs incurred. If you have any questions, please feel free to contact me.

Sincerely,



Myron Jesme  
Administrator

MJ/tja

# Red Lake Watershed District

**President**  
Dale M. Nelson

**Vice President**  
Gene Tiedemann

**Treasurer**  
Terry Sorenson

1000 Pennington Avenue South  
Thief River Falls, MN 56701  
218-681-5800  
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e-mail: [RLWD@redlakewatershed.org](mailto:RLWD@redlakewatershed.org)  
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**Secretary**  
LeRoy Ose

**Managers**  
Les Torgerson  
Allan Page  
Brian Dwight

December 11, 2018

Bob Schmitz  
Red Lake Auditor  
Red Lake County Courthouse  
PO Box 367  
Red Lake Falls, MN 56750

Dear Bob:

On July 26, 2018, the RLWD Board of Managers held a hearing and approved the petition from Wayne and Debra Vettleson for the inclusion of land into RLWD Ditch No.7, RLWD Project No. 20 as an outlet, and requested that the District grant its express authority to allow the usage of the same. The following table shows the lands which were added and the corresponding benefits:

Landowner	Sec./Twp./Range	Description	Acres Benefited	Benefits	Benefits Per Parcel
Wayne & Debra Vettleson	26-151-40	S1/2 NE1/4 NE1/4	20	\$50/ac.	\$1,000

Enclosed is a revised "Statement of Benefits and Damages for the Improvement of Red Lake Watershed District Ditch No. 7" which reflects the recent changes. Please refer to this document for future levees against this system.

Thank you for your assistance in this matter and if you have any further question, please do not hesitate to call.

Sincerely,



Myron Jesme  
Administrator

MJ/tja

Statement of Benefits and Damages for Improvement  
of Red Lake Watershed District Ditch No. 7, RLWD Project No. 20 from the  
Viewers Report Dated May 10, 1979, Revised November 22, 1995,  
Revised October 23, 2008, and Revised July 26, 2018

Total Benefits for Project	\$679,637.31
Red Lake County:	
Benefits to county roads	\$ 12,300.00
Garnes Township roads	\$ 400.00
Equality Township roads	\$ 4,600.00
Individual benefits:	
Garnes Township	\$ 58,813.50
Equality Township	\$ 473,932.06
	\$ 550,045.56
Percentage for Red Lake County =	0.809
Polk County	
Benefits to county roads	\$ 1,500.00
Johnson Township roads	\$ 3,200.00
Individual benefits:	
Johnson Township	\$ 124,891.75
	\$ 129,591.75
Percentage for Polk County =	0.191
Individual Damages:	
Red Lake County Damages	\$ 11,889.50
Polk County Damages	\$ 5,934.00
Total Damages	\$ 17,823.50

# Technical Memorandum

**To:** Red Lake Watershed District (RLWD)  
**From:** Tony A. Nordby, PE  
Houston Engineering, Inc. (HEI)  
**Subject:** Proposed Modifications to RLWD Project 122 and 171A (Challenger Ditch Portion) between CSAH 17 (Pennington Ave S.) and the Red Lake River

**Date:** December 11, 2018

**Project:** Reconstruction of Pennington CSAH 8 (Mark Blvd/150<sup>th</sup> St. NE) Between Pennington Ave. S. and TH 32 (Project No. SAP 057-608-009)

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Professional Engineer under the laws of the State of Minnesota.

Tony A. Nordby

Digitally signed by Tony A. Nordby  
DN: C=US,  
E=tnordby@houstoneng.com,  
O=HEI, CN=Tony A. Nordby  
Reason: I am approving this document  
Date: 2018.12.11 14:57:54-06'00'

Tony A. Nordby  
Reg. No. 51392

Date

## INTRODUCTION

As part of the Pennington CSAH 8 Reconstruction Project (The Project) connecting Mark Blvd. between Pennington Ave. S. and TH 32, including a new bridge over the Red Lake River along the south limits of Thief River Falls, MN, portions of the Challenger Ditch between the intersection with Pennington Ave. S and the Red Lake River require modifications to accommodate the proposed roadway reconstruction.

## PROPOSED MODIFICATIONS TO THE CHALLENGER DITCH

### 1. MODIFICATIONS BETWEEN PENNINGTON AVE. S AND THE OUTLET STRUCTURE

As part of The Project, a roundabout is being proposed at the Pennington Ave. S/CSAH 8 intersection. The roundabout design will require drainage modifications to the Challenger Ditch and culverts at the intersection. The existing storm manhole at the intersection will be removed along with adjoining pipe culverts at immediate NW. The existing 54" CS Pipe (Centerline Culvert) conveying flow through Pennington Ave. S will also be removed.

West side of said intersection, the Challenger Ditch is proposed to be relocated to the south side of Pennington CSAH 8 between the intersection and the outlet structure. A new 88"x54" RCPA Pipe Culvert will convey flows westerly through Pennington Ave. S. Lateral drainage along Pennington Ave. S north of the intersection will continue to drain into the Challenger Ditch system through a new 18" RC Pipe Culvert on the west side of the intersection and a new 36" RC Pipe Culvert on the east side of the intersection. See [Figure 1](#) for the plan view of the designed intersection.

## 2. MODIFICATIONS FROM THE OUTLET STRUCTURE TO THE RED LAKE RIVER

The existing outlet structure consists of a 72" RC Vertical Riser Pipe with a drop of approximately 11.4'. A horizontal 48"x 136' RC Pipe Culvert is connected to the riser that conveys flow to an outfall including a series of riprap grade control structures; ultimately discharging in the Red Lake River. The 72" RC Riser Pipe is located approximately 415' from the east bank of the Red Lake River. A crossing exists approximately 300' upstream of the riser pipe over the Challenger Ditch which provides 2 lines of 54" CS pipe culverts.

Modifications to existing conditions includes removing the 72" RC Riser Pipe, and the crossing with 2 lines of 54" CS pipe culverts. The existing 48"x136' RC Pipe Culvert will remain in place and an additional 248' will be installed at the same grade extending the 48" RC Pipe Culvert to the east side of a newly installed crossing where a new 72" RC Riser Pipe will be installed with a similar type trash rack. The new 72" RC Riser Pipe will be installed approximately 240' east of the existing riser pipe and the new crossing will be installed approximately 100' west of the existing crossing, or immediately downstream of the new 72" RC Riser Pipe, providing access to the Basswood Trailer Ct. to the south. See [Figure 2](#) for the plan and profile view of the designed outlet structure and crossing.

Additional right-of-way will be acquired as necessary, to complete the proposed project. This will be determined as final design is completed.

## HYDRAULIC AND HYDROLOGIC MODELING

When the Challenger Ditch capacity was increased in 2012 as a diversion for the improvement of County Ditch #1, HDR Engineering applied XP-Storm Water Management Model (SWMM) hydraulic and hydrologic (H&H) software to design the ditch and outlet structure. The XP-SWMM model was setup by HDR Engineering to model both the 10 year and 100 year 24-hour rainfall events.

As part of The Project design, HEI converted HDR's XP-SWMM model from the 2009.3 version to the current 2018 version and modeled to represent existing and modified conditions. The proposed modifications to the Challenger Ditch resulting from The Project were then incorporated into the hydraulic model for both the 10 year and 100 year 24-hour rainfall events. Results shown in [Figures 3 & 4](#) affirm negligible water surface profile differences exist between current conditions and the proposed modifications for both events throughout the Challenger Ditch.

## CONCLUSION

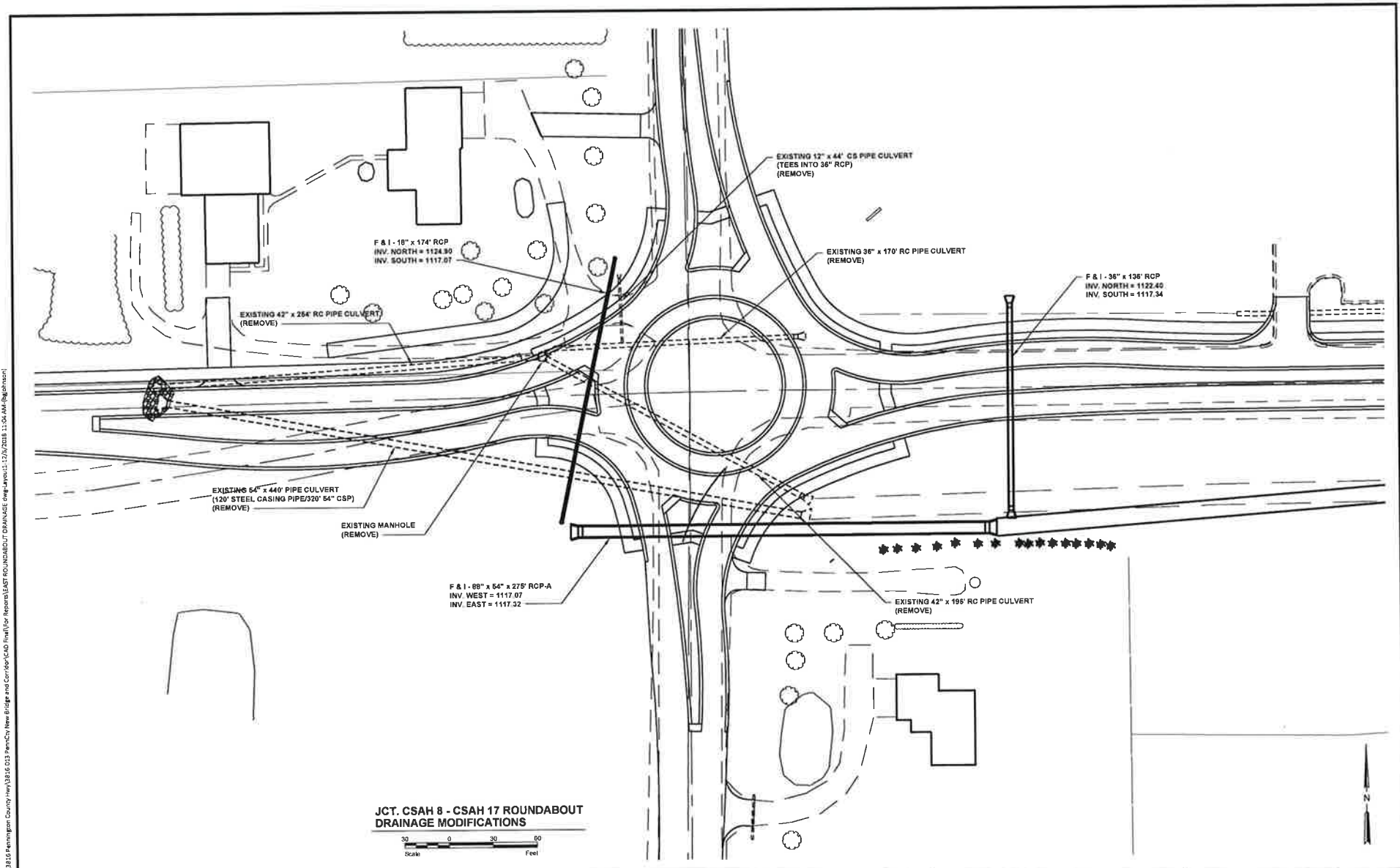
### 1. H&H MODELING RESULTS

The H&H modeling results show that the proposed modifications present negligible changes to the peak water surface profiles in the Challenger Ditch. The proposed changes to all pipes and structures within the said reach of the Challenger Ditch have been designed to contain the capacity of a 100 year 24-hour event as originally designed in October 2010, the "Thief River Falls Flood Damage Reduction Project and Improvement to Pennington County Ditch #1". The design and H&H modeling show that the modifications to the Challenger Ditch as part of The Project are practical and present negligible functional impacts to the drainage system.

## 2. EMERGENCY SPILLWAY

An emergency spillway is proposed on the south side of the new outlet structure, reducing risks of flood flows encroaching on CSAH 8 street section. Unobstructed 100 year 24-hour flows allow up to 6' of freeboard to the emergency spillway and street. The emergency spillway is primarily intended to prevent obstructed flows from encroaching onto the street section.





**JCT. CSAH 8 - CSAH 17 ROUNDABOUT  
DRAINAGE MODIFICATIONS**



H:\Thief River Falls\1816\1816.dwg PerkinElmer County Hwy 1816 03 PerkinElmer City New Bridge and Corridor\CAD Final\PerkinElmer\EA\T Roundabout\EA\T Roundabout Drainage.dwg - Project: 12/15/2018 11:06 AM (Rajagopalan)

No.	Revision	Date	By

**Houston Engineering Inc.**

**Thief River Falls**

Drawn by: BGI  
Date: 12-5-18

Checked by: JLL  
Scale: AS SHOWN

S.A.P. 057-608-009

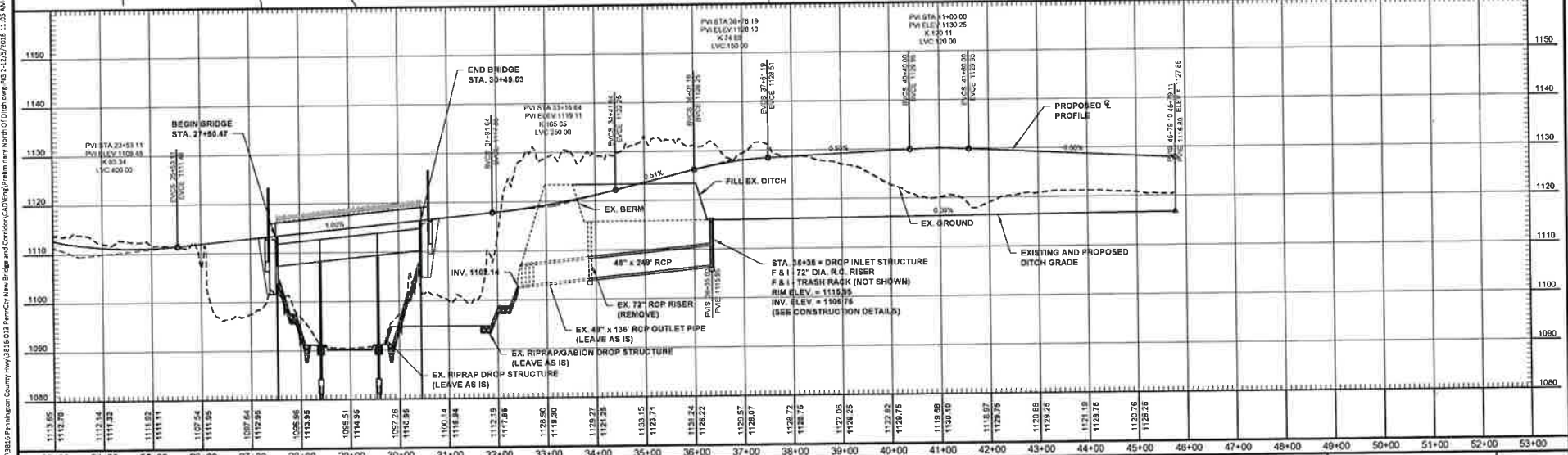
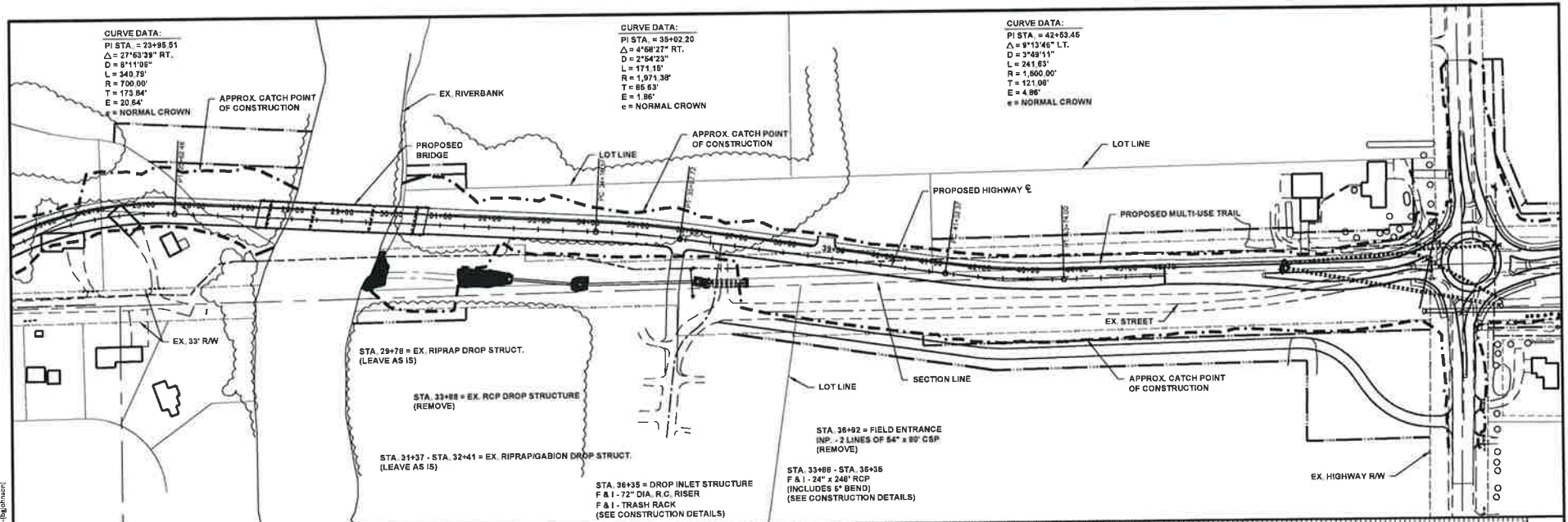
S.P.

CONSTRUCTION DETAILS

PROJECT NO. 3816-013

**Fig. 1**





No. Revision Date By				Thief River Falls P: 218 681 2951 F: 218 681 2987	Drawn by BGI	Date 12-5-18	S.A.P. 057-608-009	PLAN & PROFILE PROJECT NO. 3816-013	<b>Fig. 2</b>
				Checked by JLL	Scale AS SHOWN	S.P.			

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Figure 3 - 10yr - 24hr Profile Comparison

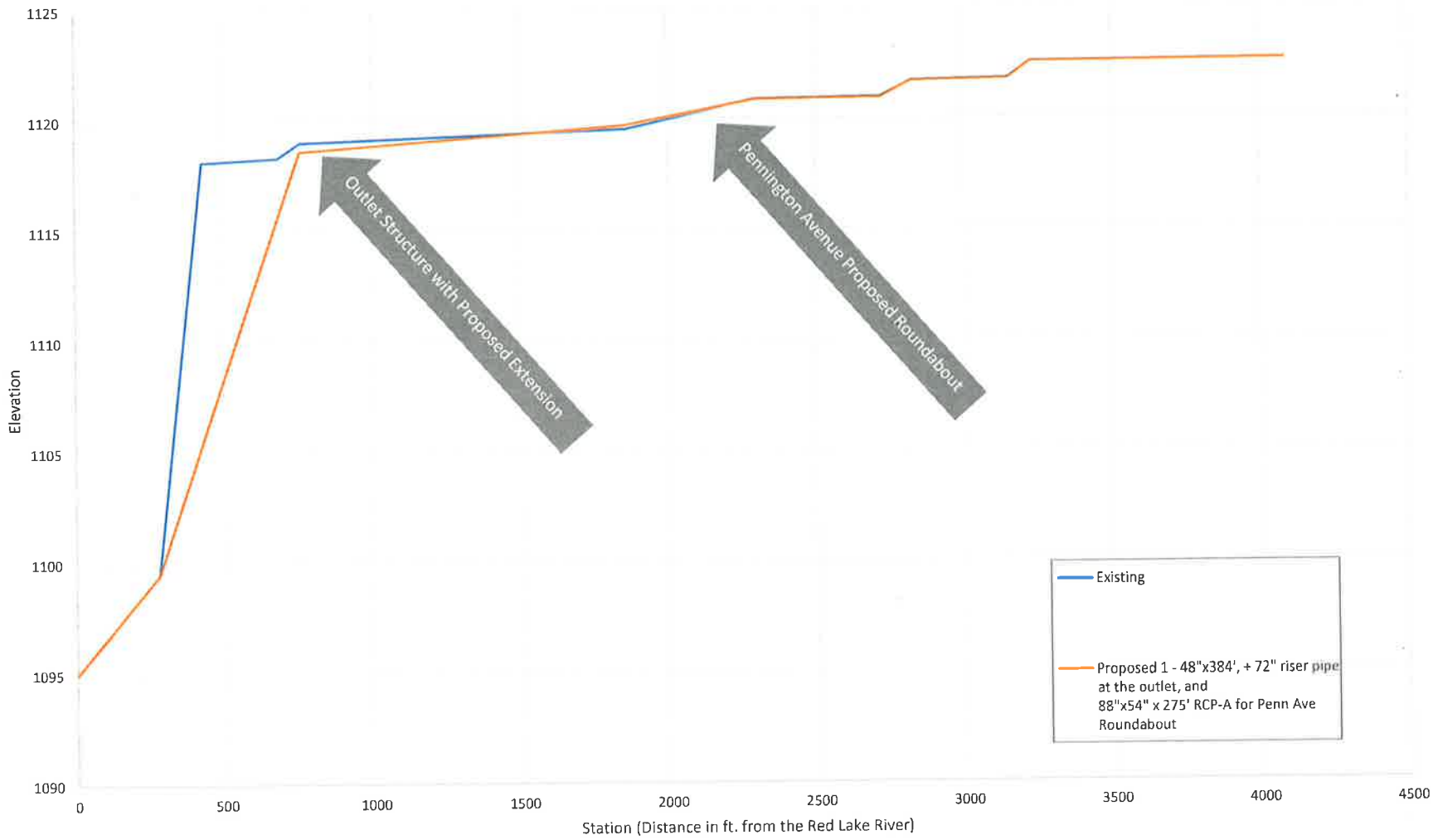
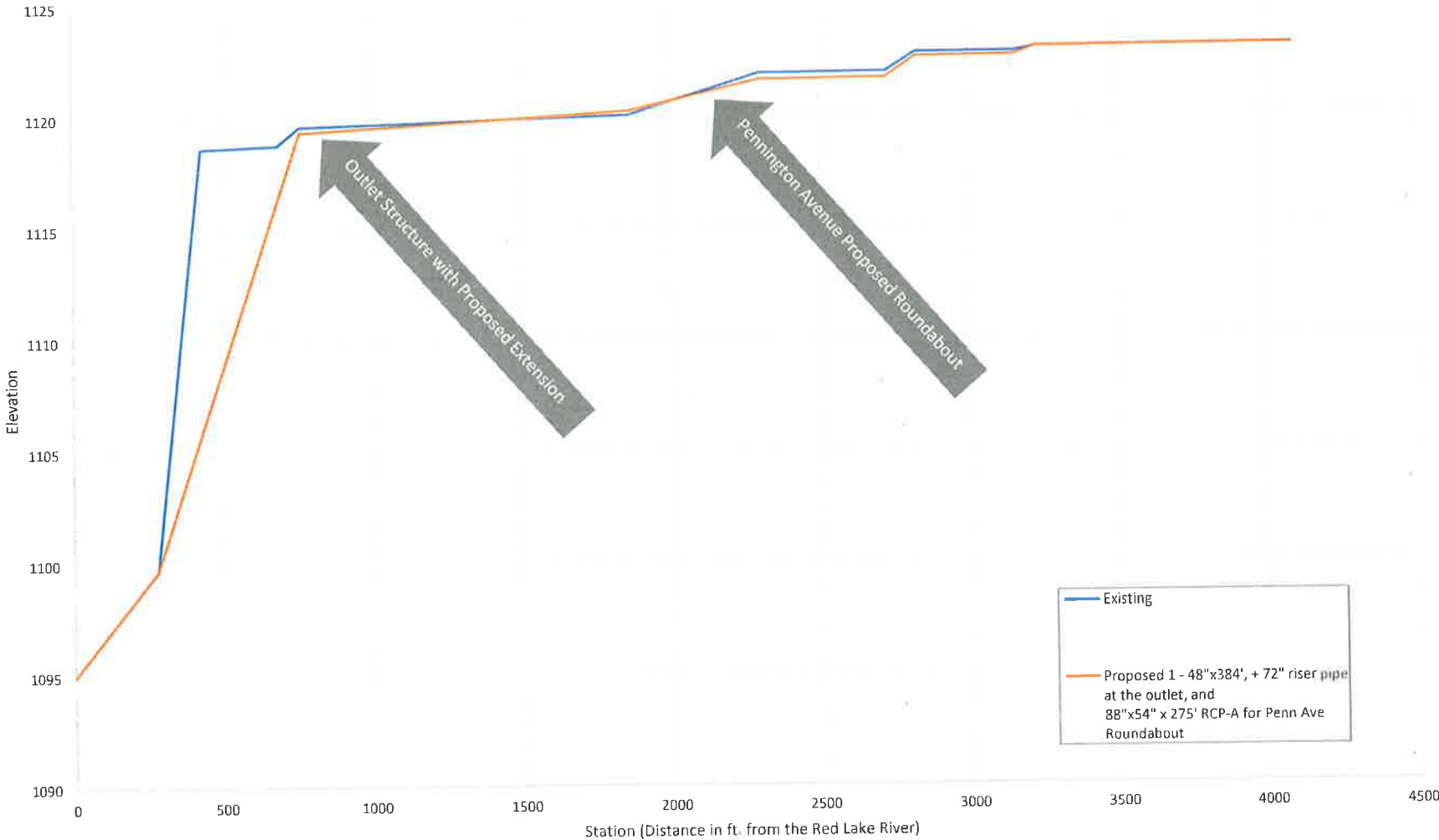


Figure 4 - 100yr - 24hr Profile Comparison



# CITY OF THIEF RIVER FALLS

## **RESOLUTION NO. 11-273-18: APPROVAL OF PETITION FOR DRAINAGE SYSTEM TRANSFER FROM PENNINGTON COUNTY FOR A PORTION OF DITCH 70**

Presented as part of the Consent Agenda, Councilmember Howe introduced Resolution No. 11-273-18, being seconded by Councilmember Sollom, that:

WHEREAS, the Red Lake Watershed District, along with Pennington County and the City of Thief River Falls, are undertaking a flood damage reduction project that diverts County Ditch 70 around the City of Thief River Falls. This system drains areas north and west of the city, as well as areas within the city. This system runs along Highway 1 & 59 from Highway 59 North to Barzen Avenue along Digi-Key and Arctic Cat, and outlets to the east along Greenwood Street to the Red Lake River. This system has a history of flood damage northwest of the city and does not have adequate capacity for anticipated growth and expansion in the southwest part of the city; and

WHEREAS, the strategic partnership between the City, County and Watershed District is complimented by the Minnesota Department of Transportation through cost sharing of drainage improvements that are programmed for 2020 as a part of the Highway Nos. 1 & 59 reconstruction project. These benefits, along with the Digi-Key expansion and the need for improved agricultural drainage make this the opportune time to accomplish this project; and

WHEREAS, The City of Thief River Falls, through the Watershed led project, will be installing storm sewer in the present County Ditch 70 channel along Barzen Avenue from Highway No. 1 & 59 to Greenwood Street and along Greenwood Street from Barzen Avenue to Oakland Park Road. In order for the city to install this storm sewer they need to petition Pennington County to transfer this ditch to the City of Thief River Falls.

THEREFORE, BE IT RESOLVED, by the City Council, to accept a Public Works Committee recommendation to adopt a resolution approving a Petition for Drainage System Transfer from Pennington County for a portion of Pennington County Ditch 70 that is in the city limits of Thief River Falls; and authorize the Mayor and City Administrator to execute the petition. The ditch transfer is contingent upon moving forward with the flood damage reduction project, known as Improvement Project 178.

On vote being taken, the resolution was unanimously passed.

*The above is an excerpt from the November 27, 2018 Council Proceedings*

Date: December 10, 2018

Myron Jesme  
Red lake Water Shed  
1000 Rennington Ave South  
Thief River Falls , MN 56701

RE: 2020 D2 Local Partnership Program funding Award

Congratulations, your project for Thief River Falls Westside Flood Damage Reduction Project has been selected to receive funding through the District 2 Local Partnership Program.

This project has been approved to receive \$400,000.00 for eligible expenses subject to the MnDot cost participation policy and up to 8% of construction Engineering. This project is conditional as follows.


- Trunk Highway portion of project will be designed and constructed to current MnDot Standards.
- Be Developed, administered and Let by the Local Agency.
- MnDots Cost Participation Policy will be used for all trunk highway eligible costs of the project.
- Local Agency will be provided contact information of district 2 personal for development, design and administration of project.
- Project must be let prior to the end of the current fisical year ( June 30,2019)
- Full Environmental Review Process will be required for all work within MnDot R/W.

There will be a project kick off meeting prior to project design to discuss MnDot requirements, project contacts with MnDot personal, questions from locals and any other project concerns. Please call or email Tim Donaghue (tim.donaghue@state.mn.us) with in the next two weeks to set up a time and place.

When completed, submit plan to the D2 District State Office for review by State Aid and MnDot district personal. Upon approval of the plan a cooperative agreement will be written and you will be notified and authorized to proceed with the letting process. A completed cooperative agreement is needed before the project can be awarded.

We look forward to assisting and working with you on this project. If you have any questions, please contact myself at 218-755-6569 or Lou Tasa at 218-755-6570.

Sincerely,



Tim Donaghue  
Engineering Specialist Senior  
D2 State Aid Office

STATE OF MINNESOTA  
POLICY COMMITTEE OF THE RED LAKE RIVER ONE WATERSHED PLAN PLANNING GROUP

---

The matter of the proposed amendment to the Red Lake River Comprehensive Watershed Management Plan (One Watershed Plan)

---

**Hearing Agenda**

Opening of Hearing and Introductions – *Committee Chair*

Purpose of Hearing and Procedural History – *Myron Jesme*

Confirmation of Notices – *Myron Jesme*

Presentation of Proposed Amendment – *Engineers*

Public Comment and Questions – *Committee Chair*

Committee Deliberations – *Committee Chair*

- a. In considering the amendment, the committee shall evaluate whether the proposed amendment furthers the objectives and purposes of the One Watershed Plan, whether it is beneficial to making implementation of the Plan more effective or efficient, and whether it serves the interests of resource management within the Plan area.
- b. If the committee determines that the above criteria are met, it shall adopt findings and a recommendation to approve the proposed amendment to the Board of Water and Soil Resources (BWSR).
- c. Following the hearing, if a positive recommendation is made, the committee shall provide a copy of the final proposed amendment along with its findings and recommendation regarding plan approval to the Plan Review Authorities and request that final comments, if any, be submitted to BWSR in advance of the BWSR consideration of the proposed amendment. Concurrent with notice to the Plan Review authorities, the committee shall submit the final proposed amendment to BWSR for final review and approval. The submittal to BWSR must include the audio recording of the public hearing, a copy of all written comments and responses received on the proposed amendment and the committee's findings and recommendation on approval of the proposed amendment.

## Myron Jesme

---

**From:** John Kolb <JKolb@rinkenoonan.com>  
**Sent:** Tuesday, December 11, 2018 1:38 PM  
**To:** Myron Jesme; 'Delray Sparby'  
**Subject:** 13333-0012: TRFWS FDR, 1W1P Amendment  
**Attachments:** Plan Amendment Hearing Agenda.docx

Myron and Delray,

Attached is an agenda to guide your hearing on the 19<sup>th</sup>. I am sorry I cannot attend, but my attendance, given the level of comment you have received to date, would have been an unnecessary expenditure.

We are following the procedure below. Please make sure that you have assembled the documentation for each step in the process.

1. **(Completed) Initial Review by the Planning Workgroup:** After review, the Planning Workgroup shall provide notice of the proposed amendment to the Plan Review Authorities and the public.
2. **(Completed) Notice to Plan Review Authorities and Public:** Comments should have been received by the Planning Workgroup.
3. **(Completed) Final review and referral by the Planning Workgroup:** The Planning Workgroup conducts a final review of the proposed amendment and makes necessary revisions based on the comments received, if any. The Planning Workgroup may adopt responses to the comments received. After final review and revisions, the Planning Workgroup shall refer the proposed amendment, along with all comments and responses, to the Policy Committee along with the Planning Workgroup's recommendation on approval. A copy of the Planning Workgroup's referral shall also be transmitted to the BWSR.
4. **(Scheduled for December 19) Hearing of the Policy Committee:** The Policy Committee schedules and holds a public hearing on the proposed amendment no sooner than 14 days after receiving the Planning Workgroup's referral and recommendation. Notice of the public hearing shall be given by mail to the BWSR, Plan Review Authorities and the Planning Workgroup. Notice of the public hearing shall also be published in a newspaper in general circulation within the 1W1P area. A record shall be kept of the hearing to include an audio recording of the proceedings and copies of all written correspondence, comments or responses generated in the proceedings.
5. **(To follow hearing) Notice to Plan Review Authorities:** Following the public hearing, the Policy Committee provides a copy of the final proposed amendment along with its findings and recommendation regarding plan approval to the Plan Review Authorities and request that final comments, if any, be submitted to BWSR in advance of the BWSR consideration of the proposed amendment.
6. **(To follow hearing and be concurrent with step 5) Referral and Recommendation to BWSR:** Following the public hearing, the Policy Committee submits the final proposed amendment to BWSR for final review and approval. The submittal to BWSR must include the audio recording of the public hearing, a copy of all written comments and responses received on the proposed amendment and the Policy Committee's findings and recommendation on approval of the proposed amendment. After review, the BWSR Board, or a committee thereof, shall render a decision approving or disapproving the amendment in accordance with its operating procedures.



7. **(Upon receipt of BWSR decision) Local Adoption:** If BWSR approves the proposed amendment, the Policy Committee adopts a resolution, within 120 days of BWSR Board approval, adopting the amendment. A copy of the resolution to adopt the amendment must be sent to BWSR. Notice of the adopted amendment shall be published in a newspaper in general circulation within the 1W1P area along with notice of appeal rights as outlined below. Unless appealed, the plan amendment is effective 30 days after first publication of the Policy Committee resolution adopting the amendment.

John C. Kolb  
Attorney

**RINKE NOONAN**  
Suite 300, US Bank Plaza  
P.O. Box 1497  
St. Cloud, MN 56302  
(320) 656-3503 Direct  
(320) 656-3500 Fax

[website](#) | [email](#) | [bio](#) | [map](#)



For prompt assistance, please contact my paralegal,  
Julie Fincher at (320) 656-3527 or [jfincher@rinkenoonan.com](mailto:jfincher@rinkenoonan.com)

---

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December 3, 2018

Dale M. Nelson  
Red Lake Watershed District  
1000 Pennington Ave. S.  
Thief River Falls, MN 56701

**Sent Via Email:**

**RE: Determination of Adequacy, Red Lake Watershed District Buffer Rule**

Dear Chairman Nelson,

Thank you for sending a copy of the watershed district's buffer rule along with a signed resolution documenting adoption by the Red Lake Watershed District Board of Managers on October 11, 2018 to the Board of Water and Soil Resources (BWSR) for a final determination on adequacy.

In our review of the watershed district's adopted rule, we would like to make reference to several areas of the rule that the watershed district should consider as it proceeds to administer the rule, and follows:

- BWSR's letterhead and model watershed district buffer rule header remain on the document approved by the watershed district. The watershed district may want to consider copying the substantive portion of the rule onto its own letterhead or blank paper.
- The rule contains more than one Section 2.0 (Definitions and Data sharing/management).
- In Section 3.1 it makes a reference to subsection 3.4. This appears to be a remnant numerical reference contained in BWSR's model rule and can be removed.
- Section 5.2.6 references proceedings under section 7.0, should be changed to 6.0 to align with the current numbering system.

BWSR has completed its final review in conformance with state law and concluded that watershed district has adopted a rule, titled WD 103E Systems Only Buffer Rule that contains adequate provisions for compliance and enforcement of Minn. Stat. §103F.48 (the Buffer Law). Therefore, BWSR is pleased to inform you that watershed district is determined to be "With Jurisdiction" in accordance with Minn. Stat. §103F.48 Subd. 1 (j).

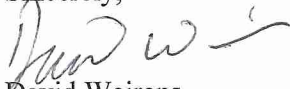
Finally, any change to this adopted rule must be submitted to BWSR at least 60 days prior to the effective date of the change in accordance with Procedure 9: BWSR's Review of County and Watershed District Buffer Rules, Ordinances and Official Controls. This will ensure that BWSR has adequate time for review and determination of adequacy on any proposed changes.

On behalf of BWSR, I wish to extend our appreciation for the commitment of the watershed district's Board of Managers and all others associated with the development of this rule.

Dale M. Nelson  
December 3, 2018  
Page 2

Thank you for your cooperation on this matter. Should you have any questions, please contact Appeals and Regulatory Compliance Coordinator Travis Germundson at (651) 297-4958, or at [travis.germundson@state.mn.us](mailto:travis.germundson@state.mn.us).

Sincerely,



David Weirens  
Assistant Director Programs and Policy

cc: Brent Rud, Beltrami County and SWCD  
Dan Hecht, Clearwater County  
Dan Swenson, Itasca County  
Matt Gouin, Koochiching County  
Franklin Thompson – Mahnomen County  
Josh Johnston, Marshall County  
Kenneth Olson, Pennington County  
Jacob Snyder, Polk County  
Tanya Hanson, Red Lake  
Lori Buell, Clearwater SWCD  
Andy Arens, Itasca SWCD  
James Aasen, Koochiching SWCD  
Ray Bisek, Mahnomen SWCD  
Danny Thorstad, Marshall SWCD  
Bryan Malone, Pennington SWCD  
Lisa Newton, East Polk SWCD  
Nicole Bernd, West Polk SWCD  
Tanya Hanson, Red Lake SWCD  
DNR: Jennifer Shillcox, Dan Petrik, Stephanie Klamm, Brent Mason  
BWSR: Dave Weirens, Tom Gile, Brett Arne, Chad Severts, Mathew Fischer, Darren Mayers

# Red Lake Watershed District

**President**

Dale M. Nelson

**Vice President**

Gene Tiedemann

**Treasurer**

Terry Sorenson

1000 Pennington Avenue South

Thief River Falls, MN 56701

218-681-5800

218-681-5839 FAX

e-mail: [rlwaters@wiktel.com](mailto:rlwaters@wiktel.com)[www.redlakewatershed.org](http://www.redlakewatershed.org)**Secretary**

LeRoy Ose

**Managers**

Les Torgerson

Allan Page

Brian Dwight

November 27, 2018

Gully Tri-Coop Association

P.O. Box 29

Gully, MN 56646

RE: Gully Co-Op AGRI Crop Research Grant Proposal

To whom it may concern:

This letter is an expression of support for the Gully Co-Op's *Evaluating the Effectiveness of Variable Rate Input Application in Cultivated Wild Rice* grant proposal to use soil and water data to scientifically improve the efficiency of inputs on wild rice paddies along the Clearwater River. The Red Lake Watershed District collects regular samples from the Clearwater River (between Clearwater Lake and the paddies) and tributaries like Ruffy Brook. Those samples are analyzed for sediment, nutrient and *E. coli* bacteria concentrations. That data can be provided to researchers for the purpose of characterizing nutrient inputs from water that is pumped from the Clearwater River. The District's water quality monitoring program has flexibility to collect investigative samples, so some additional river water samples could be collected in coordination with the wild rice paddy research. Long-term average concentrations can be calculated from historical data that can be found on the Minnesota Pollution Control Agency's Surface Water Data Access website.

The channelized reach of the Clearwater River (09020305-647) flows along the wild rice paddies and is impaired by (exceeds state water quality standards for) high turbidity, excess nutrients (river eutrophication), and excess *E. coli* bacteria. Discharge of excess sediment, nutrients, and bacteria from wild rice paddies has been identified as a cause of increased pollutant concentrations and decreased dissolved oxygen levels in the Clearwater River. The problem was first documented in the 1994 Clearwater River Nonpoint Study and has also been noted in more recent studies. Best management practices like settling ponds and buffers have been installed since that time along with tile drainage. Main line tile drainage has helped significantly where it has been installed by reducing the need to dig surface in-paddy drainage ditches through highly erodible peat soil while providing multiple benefits to farmers. The effects of wild rice paddy discharge have been lessened through the actions of landowners, but more improvement is needed. This project should help further reduce nutrient losses from wild rice paddies and improve water quality within the Clearwater River.

If you have questions or need additional information please contact the **Red Lake Watershed District** office at 218-681-5800.



Corey Hanson

Water Quality Coordinator

Red Lake Watershed District



Permit # 18-157

Status Report: **Approved**

**Applicant Information**

Name	Organization	Address	Email	Phone Number(s)
Joe Ose	JTO, Inc.	13748 230th Street NE Thief River Falls, MN 56701		tel: mobile: 218-686-0114 fax:

**General Information**

- (1) The proposed project is a:  
**Culvert Installation / Removal / Modification**
- (2) Legal Description
- (3) County: **Marshall** Township: **Excel** Range: **43** Section: **14** 1/4: **NW1/4**
- (4) Describe in detail the work to be performed. **Extend existing culvert by 20' minimum. Work is within County Road #119 ROW.**
- (5) Why is this work necessary? Explain water related issue/problem being solved. **Wider access is needed.**

**Status**

Status	Notes	Date
<b>Approved</b>	<b>None</b>	<b>Dec. 13, 2018</b>
<b>Received</b>	<b>None</b>	<b>Nov. 29, 2018</b>

**Conditions**

**P.A. #18157 Red Lake Watershed District (RLWD) approval to lengthen/extend existing 18 in. dia. field entrance culvert, as per approval of Marshall County specs/conditions; proposed work is in County Hwy. #119 Right-of-Way. Contact person at Marshall Co. Hwy. Dept. is Engineer Lon Aune at 218-745-4381 For proposed work on lands not owned by applicant, he/she must obtain, in writing, permission from the affected landowners to perform proposed work. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166)**

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.

## **Red Lake Watershed District - Administrators Report**

**December 13, 2018**

**Red River Watershed Management Board** – LeRoy and I will attend the RRWMB meeting which will be held at the Wild Rice Watershed District in Ada at 9:30 am, December 18, 2018.

**Thief River 1W1P** – Advisory and Policy Committee meeting was held at 9:30 am, December 12, 2018 at the Red Lake Watershed District Board Room. Section 5 of the plan was approved, and we are still proceeding with development of Section 4.

**Red Lake River PTMApp** – Meeting was held at 1:30, December 12, 2018 at the RLWD Board Room to discuss the targeted implementation plan as well as reviewing comments from staff to assure they get implemented into the final document.

**MAWD Annual Meeting** – Terry, Allan, LeRoy, Gene, Brian and I attended the Minnesota Association of Watershed District Annual Meeting held November 28<sup>th</sup> thru November 30<sup>th</sup> at the Arrowwood Resort in Alexandria. If any board member has any comments concerning the conference, please feel free to share with the rest of the Board.

**Board of Water and Soil Resource/Regional Conservation Partnership Program** – Corey will be attending a Regional Conservation Partnership Program training session in Grand Rapids, December 20, 2018. This training session will address the partnership program through NRCS and how it can be implemented with state funding for approved One Watershed One Plans.

### **Christmas Break**

**Water Quality Report** – I have included in your packet the June 2018 Water Quality Report submitted by Corey.



Proposed USGS Red River of the North Basin Cooperative Streamflow Monitoring Program -- Fiscal Year 2019



Site ID	Station Name	Site Type	Telemetry	Field Office	Funding by Agency:										Remarks			
					Total Funding	USGS CMF	USGS FPS	USACE	RR-IWRB	NDSWC	RRWMB	FERC or IJC	MN-DWR	MN-DOT		GForks	BRRWD	
1 05030900	Otter Tail R nr Elizabeth, MN	C	↑ MV	18,000	--	--	--	--	--	--	--	--	--	--	--	--	--	
3 05046000	Otter Tail R blw Otwell Dam nr Fergus Falls, MN	C	↑ MV	18,000	--	18,000	--	--	--	--	--	18,000	--	--	--	--	--	
4 05047900	Twelve Miles Cr nr Dumont, MN	H	MV	3,925	1,845	--	--	--	--	--	--	--	--	--	--	--	--	
5 05049000	Mustrinka R abv Wheaton, MN	S	↑ MV	11,680	--	11,680	--	--	--	--	--	--	--	--	--	--	--	
6 05049700	Lake Traverse OTLT at Reservation Dam nr Wheaton, MN	S	↑ MV	4,100	--	4,100	--	--	--	--	--	--	--	--	--	--	--	
7 05049710	Mud Lake above White Rock Dam nr Wheaton	S	↑ MV	18,000	--	18,000	--	--	--	--	--	--	--	--	--	--	--	
8 05050000	Bois de Sioux R nr White Rock, SD	C	↑ MV	17,461	5,361	--	--	--	--	--	--	18,000	--	--	--	--	--	
9 05050995	Bois de Sioux R nr Dora, MN	C	↑ MV	4,460	--	4,460	--	--	--	--	--	6,200	--	--	--	--	--	
10 05051300	Ottertail River Diversion nr Breckenridge, MN	C	↑ GFork	20,940	--	--	20,940	--	--	--	--	4,460	--	--	--	--	--	
11 05046475	Red River at Walpeton, ND	C	↑ GFork	12,220	--	--	--	--	--	--	--	--	--	--	--	--	--	
12 05051500	Red River at Hickson, ND	C	↑ GFork	12,220	--	--	--	--	--	--	--	--	--	--	--	--	--	
13 05051522	Wild Rice River near Rutland, ND	Cs	↑ GFork	16,220	2,180	--	--	--	--	--	--	--	--	--	--	--	--	
14 05051600	Wild Rice River near Mantador, ND	C	↑ GFork	12,220	6,810	--	--	--	--	--	--	--	--	--	--	--	--	
15 05052000	Antelope Creek at Dwight, ND	Cs	↑ GFork	17,490	5,130	--	--	--	--	--	--	--	--	--	--	--	--	
16 05052900	Wild Rice River near Abercrombie, ND	C	↑ GFork	13,380	--	--	--	--	--	--	--	--	--	--	--	--	--	
17 05053000	Red River at Fargo, ND	C	↑ GFork	20,940	--	--	20,940	--	--	--	--	--	--	--	--	--	--	
18 0505152230	Red River at Enloe Bridge, ND	C	↑ GFork	17,490	--	--	--	4,010	--	--	--	--	--	--	--	--	--	
19 05054000	Sheyenne River above Harvey, ND	C	↑ GFork	17,440	6,380	--	--	--	--	--	--	--	--	--	--	--	--	
20 05054500	Sheyenne River ab State Outlet nr Flora, ND	C	↑ GFork	13,380	6,650	--	--	--	--	--	--	--	--	--	--	--	--	
21 05053300	Sheyenne River bl State Outlet nr Bremen, ND	Cs	↑ GFork	18,000	--	18,000	--	--	--	--	--	--	--	--	--	--	--	
22 05055400	Sheyenne River near Warwick, ND	C	↑ GFork	17,570	--	--	--	--	--	--	--	--	--	--	--	--	--	
23 05056000	Toha Coulee near Tolu, ND	Cs	↑ GFork	20,820	--	--	--	--	--	--	--	--	--	--	--	--	--	
24 05056678	Sheyenne River near Cooperstown, ND	C	↑ GFork	18,000	--	--	--	--	--	--	--	--	--	--	--	--	--	
25 05057000	Baldhill Creek near Dazy, ND	C	↑ GFork	17,490	--	--	--	--	--	--	--	--	--	--	--	--	--	
26 05057200	Lake Ashlabula at Baldhill Dam, ND	L	↑ GFork	2,820	--	2,820	--	--	--	--	--	--	--	--	--	--	--	
27 05057500	Sheyenne River below Baldhill Dam, ND	C	↑ GFork	10,780	--	--	--	--	--	--	--	--	--	--	--	--	--	
28 05058000	Sheyenne River at Valley City, ND	S	↑ GFork	17,490	--	17,490	--	--	--	--	--	--	--	--	--	--	--	
29 05058500	Maple River near Hope, ND	Cs	↑ GFork	12,220	5,130	--	--	--	--	--	--	--	--	--	--	--	--	
30 05058700	Maple River near Enderlin, ND	C	↑ GFork	17,490	--	17,490	--	--	--	--	--	--	--	--	--	--	--	
31 05058980	Maple River on Go! Road nr Kindred, ND	S	↑ GFork	7,220	--	--	--	--	--	--	--	--	--	--	--	--	--	
32 05059000	Sheyenne River near Kindred, ND	C	↑ GFork	18,000	--	18,000	--	--	--	--	--	--	--	--	--	--	--	
33 05059300	Sheyenne River ab Diversion nr Horace, ND	C	↑ GFork	17,490	--	--	15,080	--	--	--	--	--	--	--	--	--	--	
34 05059310	Sheyenne River Diversion near Horace, ND	C	↑ GFork	4,190	--	--	--	--	--	--	--	--	--	--	--	--	--	
35 05059480	Sheyenne River Diversion at West Fargo, ND	C	↑ GFork	17,490	7,130	--	--	--	--	--	--	--	--	--	--	--	--	
36 05059500	Maple River near Fargo, ND	C	↑ GFork	16,970	--	--	--	--	--	--	--	--	--	--	--	--	--	
37 05059600	Maple River near Hope, ND	Cs	↑ GFork	12,220	5,130	--	--	--	--	--	--	--	--	--	--	--	--	
38 05059700	Maple River near Enderlin, ND	C	↑ GFork	17,490	--	17,490	--	--	--	--	--	--	--	--	--	--	--	
39 05059715	Maple River ab Maple R Dam nr Sheldon, ND	C	↑ GFork	17,490	--	--	--	--	--	--	--	--	--	--	--	--	--	
40 05060000	Maple River near Mapleton, ND	Cs	↑ GFork	12,220	5,130	--	--	--	--	--	--	--	--	--	--	--	--	
41 05060100	Maple River below Mapleton, ND	C	↑ GFork	16,970	7,130	--	--	--	--	--	--	--	--	--	--	--	--	
42 05060400	Sheyenne River at Harwood, ND	S	↑ GFork	10,510	--	--	--	--	--	--	--	--	--	--	--	--	--	
43 05060500	Rush River at Amentia, ND	C	↑ GFork	17,490	--	17,490	--	--	--	--	--	--	--	--	--	--	--	
44 05060800	Buffalo R nr Callaway, MN	H	GRap	3,925	1,845	--	--	--	--	--	--	--	--	--	--	--	--	
45 05061000	Buffalo R nr Hawley, MN	C	↑ GRap	16,192	2,153	--	11,669	--	--	--	--	--	--	--	--	--	--	
46 05061200	Whiskey Cr at Barnesville, MN	H	GRap	3,925	1,845	--	--	--	--	--	--	--	--	--	--	--	--	
47 05061500	S Br Buffalo R at Sabin, MN	C	↑ GRap	16,264	2,590	--	10,623	--	--	--	--	--	--	--	--	--	--	
48 05062000	Buffalo R nr Dilworth, MN	C	↑ GRap	16,920	7,920	--	--	--	--	--	--	--	--	--	--	--	--	
49 05062500	Wild Rice R at Twin Valley, MN	C	↑ GRap	16,056	1,321	--	13,282	--	--	--	--	--	--	--	--	--	--	
50 05063398	SB Wild Rice River nr Faxon, MN	C	↑ GRap	17,178	8,178	--	--	--	--	--	--	--	--	--	--	--	--	
51 05063850	State Ditch 45 Trib nr Ulen, MN	H	GRap	3,925	1,845	--	--	--	--	--	--	--	--	--	--	--	--	
52 05064000	Wild Rice R at Handrum, MN	C	↑ GRap	17,795	7,101	--	2,678	--	--	--	--	--	--	--	--	--	--	
53 05064500	Red River at Halstad, MN	C	↑ GRap	20,940	420	--	--	--	--	--	--	--	--	--	--	--	--	
54 05065500	Goose River nr Portland, ND	Cs	↑ GRap	12,220	5,130	--	--	--	--	--	--	--	--	--	--	--	--	
55 05066500	Goose River at Hillsboro, ND	C	↑ GRap	16,970	7,130	--	--	--	--	--	--	--	--	--	--	--	--	
56 05067030	Marsh R Ditch nr Ada, MN	H	GRap	3,925	--	3,925	--	--	--	--	--	--	--	--	--	--	--	



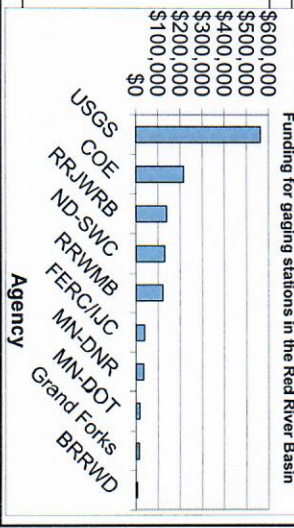
Proposed USGS Red River of the North Basin Cooperative Streamflow Monitoring Program -- Fiscal Year 2019



Site ID	Station Name	Site Type	Telemetry	Field Office	Funding by Agency:										Remarks					
					Total Funding	USGS CMF	USGS FPS	USACE	RRJWRB	ND-SWC	RRWMB	FERC or IJC	MN-DNR	MN-DOT		GForks	BRRWD			
57 05067500	Marsh R nr Shelly, MN	Cs	r1	GFork	13,360	6,390	--	--	--	--	--	--	--	--	--	--	--	--	--	
58 05069000	Sand Hill R at Cilmax, MN	C	t	GFork	17,564	5,696	5,602	--	--	--	--	--	--	--	--	--	--	--	--	
59 05070000	Red River near Thompson, ND	C	t	GFork	16,220	6,810	--	--	--	--	--	--	--	--	--	--	--	--	--	
60 05073500	Upper Red Lake at Washish, MN	L	t	GRAP																
61 05078500	Lower Red Lk at Mouth of Baite R nr Saum, MN	L	t	GRAP																
62 05074000	Lower Red Lk nr Red Lake, MN	L	t	GRAP																
63 05074500	Red Lake R nr Red Lake, MN	C	t	GRAP	4,620	--	--	4,620	--	--	--	--	--	--	--	--	--	--	--	
64 05075000	Red Lk R at High Landing nr Goodridge, MN	S	t	GRAP	18,000	--	--	18,000	--	--	--	--	--	--	--	--	--	--	--	
65 05075700	Mud R nr Grygla, MN	H		GRAP	3,925	1,845	--	--	--	--	--	--	--	--	--	--	--	--	--	
66 05076000	Thief R nr Thief River Falls, MN	C	r1	GRAP	17,178	8,178	--	--	--	--	--	--	--	--	--	--	--	--	--	
67 05077000	Ruffy Bk nr Gowick, MN	H		GRAP	3,925	1,845	--	--	--	--	--	--	--	--	--	--	--	--	--	
68 05078000	Clearwater R at Plummer, MN	C	t	GRAP	17,178	8,178	--	--	--	--	--	--	--	--	--	--	--	--	--	
69 05078230	Lost R at Oklee, MN	C	t	GRAP	17,178	8,178	--	--	--	--	--	--	--	--	--	--	--	--	--	
70 05078500	Clearwater R at Red Lk Falls, MN	C	t	GRAP	17,156	--	12,790	--	--	--	--	--	--	--	--	--	--	--	--	
72 05079000	Red Lk R at Crookston, MN	C	t	GFork	3,925	1,845	--	--	--	--	--	--	--	--	--	--	--	--	--	
73 05079010	Burnham Ck nr Crookston, MN	H		GFork	16,220	6,810	--	--	--	--	--	--	--	--	--	--	--	--	--	
74 05080000	Red Lake River at Fisher, MN	C	t	GFork	20,940	6,810	--	--	--	--	--	--	--	--	--	--	--	--	--	
75 05082500	Red River at Grand Forks, ND	C	t	GFork	16,220	6,810	--	--	--	--	--	--	--	--	--	--	--	--	--	
76 05082625	Turtle River at State Park near Arvilla, ND	C	t	GFork	16,220	6,810	--	--	--	--	--	--	--	--	--	--	--	--	--	
77 05083500	Red River at Oslo, MN	H	t	GFork	10,030	10,030	--	--	--	--	--	--	--	--	--	--	--	--	--	
78 05084000	Forest River near Fordville, ND	C	t	GFork	16,220	6,810	--	--	--	--	--	--	--	--	--	--	--	--	--	
79 05085000	Forest River at Minto, ND	C	t	GFork	17,490	17,490	--	--	--	--	--	--	--	--	--	--	--	--	--	
80 05085450	Snake River above Warren, MN	L	t	GRAP	17,178	8,178	--	--	--	--	--	--	--	--	--	--	--	--	--	
81 05085430	Retention Pond abv Radium, MN	C	t	na	0	0	--	--	--	--	--	--	--	--	--	--	--	--	--	
82 05086800	Middle R nr Newfoiden, MN	H		GFork	3,925	1,845	--	--	--	--	--	--	--	--	--	--	--	--	--	
83 05087500	Middle R at Argyle, MN	C	t	GFork	17,178	8,178	--	--	--	--	--	--	--	--	--	--	--	--	--	
84 05090000	Park River at Graton, ND	C	t	GFork	16,220	6,810	--	--	--	--	--	--	--	--	--	--	--	--	--	
85 05092000	Red River at Dayton, ND	C	t	GFork	20,940	6,810	--	--	--	--	--	--	--	--	--	--	--	--	--	
86 05094000	S B. Two Rivers at Lk Bronson, MN	C	r1	GFork	17,178	8,178	--	--	--	--	--	--	--	--	--	--	--	--	--	
87 05099400	Little South Pembina near Wahalla, ND	C	t	GFork	17,490	17,490	--	--	--	--	--	--	--	--	--	--	--	--	--	
88 05099600	Pembina River at Neche, ND	C	t	GFork	16,220	6,810	--	--	--	--	--	--	--	--	--	--	--	--	--	
89 05100000	Pembina River at Neche, ND	C	t	GFork	19,650	6,810	--	--	--	--	--	--	--	--	--	--	--	--	--	
90 05101000	Tongue River at Akra, ND	Cs	t	GFork	12,220	5,130	--	--	--	--	--	--	--	--	--	--	--	--	--	
91 05102490	Red River at Pembina, ND	H	t	GFork	10,030	10,030	--	--	--	--	--	--	--	--	--	--	--	--	--	
92 05104500	Roseau R Bw S Fk nr Malung, MN	C	t	GRAP	16,544	4,266	7,531	--	--	--	--	--	--	--	--	--	--	--	--	
93 05105100	Roseau R Diversion at Co 24 abv Roseau	C	t	GRAP	3,750	3,750	--	--	--	--	--	--	--	--	--	--	--	--	--	
94 05106000	Sprague Cr nr Sprague, Manitoba	C	t	GRAP	17,178	8,178	--	--	--	--	--	--	--	--	--	--	--	--	--	
95 05107500	Roseau R at Ross, MN	C	t	GRAP	17,113	6,097	2,016	--	--	--	--	--	--	--	--	--	--	--	--	
96 05112000	Roseau R Bw State Ditch 51 nr Caribou, MN	C	t	GRAP	16,632	16,632	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total funding:					1,271,434	319,453	214,361	137,500	129,370	120,327	37,650	33,820	16,640	14,115	5,221					

Sources of Funds	Amount
USGS	\$662,430
COE	\$214,361
RRJWRB	\$131,500
ND-SWC	\$129,370
RRWMB	\$120,327
FERC/IJC	\$37,650
MN-DNR	\$33,820
MN-DOT	\$16,640
Grand Forks	\$14,115
BRRWD	\$5,221
Total Funding	\$1,271,434

No. of gages	Explanation of abbreviations	USGS Streamgage Contacts
60	C = Continuous record station	Minnesota Water Science Center
9	Ga = Continuous record station-seasonal	James Fallon, Data Chief
11	H = High-flow site	Mounds View Field Office
7	S = Stage only	James Fallon
1	Snr = Stage; maintain (upper) rating	Grand Rapids Field Office
5	L = Lake	Eric Walkeman
	t = telemetered	Dakota Water Science Center
	r = Rain gage	Chris Laveau, Data Chief
	GFork = Grand Forks, ND	Grand Forks Field Office
	GRAP = Grand Rapids, MN	Dan Thomas
	MV = Mounds View, MN	





DEPARTMENT NATURAL RESOURCES  
 ECOLOGICAL AND WATER RESOURCES

STATE OF MINNESOTA  
**Office Memorandum**

**DATE:** November 21, 2017  
**TO:** Naomi Goral, RRWMB  
**FROM:** Henry Van Offelen, Red River Coordinator  
**SUBJECT:** Cost-Share Payments Due for USGS Stream Gages

The individual cost-share responsibilities for the last two years and for this year's contract are listed below. The cost-share time period for which watershed district payment is now due is for operation of gages from October 1, 2017 through September 30, 2018 (Fiscal Year 2018).

	<u>2014-2016 (FY16)</u>	<u>2016-2017 (FY17)</u>	<u>(AMOUNT DUE)</u> <u>2017-2018 (FY18)</u>
<b><u>Red Lake</u></b>			
Lost River at Oklee	\$4,375.00	4,475.00	4,425.00
Thief River near Thief River Falls	4,225.00	4,325.00	4,425.00
Red Lake River at Fisher	<u>2,260.00</u>	<u>2,317.50</u>	<u>2,352.50</u>
	\$10,860.00	\$11,117.50	\$11,202.50
<b><u>Wild Rice</u></b>			
Marsh River near Shelly	\$3,350.00	3,400.00	3,475.00
Wild Rice River at Hendrum	3,618.50	3,701.00	3,845.50
South Branch Wild Rice River near Felton	4,225.00	4,325.00	4,425.00
Wild Rice River at Twin Valley	<u>650.00</u>	<u>665.00</u>	<u>680.50</u>
	\$11,843.50	\$12,091.00	\$12,426.00
<b><u>Middle River-Snake River</u></b>			
Middle River at Argyle	\$4,225.00	4,325.00	4,425.00
Snake River above Warren	<u>4,225.00</u>	<u>4,325.00</u>	<u>4,425.00</u>
	\$8,450.00	\$8,650.00	\$8,850.00
<b><u>Two Rivers</u></b>			
So. Branch Two Rivers at Lake Bronson	\$2,112.50	\$2,162.50	\$2,212.50
<b><u>Sand Hill River</u></b>			
Sand Hill River at Climax	\$2,901.00	\$2,967.50	\$3,083.50
<b><u>Roseau River</u></b>			
Roseau River at Ross	\$4,225.00	\$4,325.00	\$4,425.00
Roseau River near Caribou	0.00	0.00	0.00
Sprague Creek near Sprague	\$4,225.00	4,325.00	4,425.00
Roseau River near Malung	<u>2,123.00</u>	<u>2,173.00</u>	<u>2,223.00</u>
	\$10,573.00	\$10,823.00	\$11,073.00
<b>Watershed District Totals</b>	<b>\$46,740.00</b>	<b>\$47,811.50</b>	<b>\$48,847.50</b>
<b><u>RRWMB</u></b>			
RRWMB (50% match)	\$46,740.00	\$47,811.50	\$48,847.50
Red River at Grand Forks, ND	4,920.00		
Bois de Sioux River near Doran	5,634.00	5,767.00	5,900.00
Red River at Halstad, MN	4,510.00	9,970.00	10,260.00
Red River at Enloe Bridge, ND	4,940.00	4,630.00	4,680.00
Red River at Pembina, ND	0.00		
Red River at Hickson, ND	<u>0.00</u>		
<b>RRWMB Totals</b>	<b>\$66,744.00</b>	<b>\$68,178.50</b>	<b>\$69,687.50</b>
USGS Contract Amount	\$113,484.00	\$115,990.00	\$118,535.00

c: Dan Wilkens



**Table of funding for streamgages funded by the USGS and Red River Water Management Board  
(or previously funded by RRWMB prior to AER-NSIP fund swap). Federal Fiscal Year 2018**

TYPE OF GAGE	STATION ID	STATION NAME	Total for each gage	USGS		USGS		Corps of Engineers	MNDNR	ND-SWC	RRJWRB	Grand Totals
				Cooper-ative	Matching Funds for RRWMB	Federal Priority Stream-gages (FPS, formerly NSIP)	Cooper-ative					
C	MN 05051300	Bois de Sioux R nr Doran	17,461	5,361	5,900	-	-	6,200	-	-	-	-
Cs	ND 0505152130	Red River at Enloe Bridge, ND	13,380	-	4,690	-	4,010	-	-	4,690	-	-
C	ND 05062500	Wild Rice R at Twin Valley	15,778	1,237	1,361	13,180	-	-	-	-	-	-
C	MN 05063398	SB Wild Rice River at Co Rd 27 nr Felton	16,892	8,042	8,850	-	-	-	-	-	-	-
C	ND 05064000	Wild Rice R at Hendrum	17,512	6,988	7,691	2,833	-	-	-	-	-	-
C	ND 05064500	Red River at Halstad, MN	20,940	-	10,260	420	-	-	-	-	10,260	-
Cs	ND 05067500	Marsh R nr Shelly	13,265	6,315	6,950	-	-	-	-	-	-	-
C	ND 05069000	Sand Hill R at Climax	17,285	5,605	6,167	5,513	-	-	-	-	-	-
C	MN 05076000	Thief R nr Thief River Falls	16,892	8,042	8,850	-	-	-	-	-	-	-
C	MN 05078230	Lost R at Oklee	16,892	8,042	8,850	-	-	-	-	-	-	-
C	ND 05080000	Red Lake River at Fisher	16,220	3,405	4,705	-	-	-	-	-	-	4,705
C	MN 05085450	Snake River above Warren	16,892	8,042	8,850	-	-	-	-	-	-	-
C	ND 05087500	Middle R at Argyle	16,892	8,042	8,850	-	-	-	-	-	-	-
C	ND 05094000	S Br Two Rivers at Lk Bronson	16,892	4,021	4,425	-	-	-	-	-	-	-
C	MN 05104500	Roseau R blw S Fk nr Malung	16,236	3,995	4,446	7,795	-	-	-	-	-	-
C	MN 05106000	Sprague Cr nr Sprague, Manitoba	16,892	8,042	8,850	-	-	-	-	-	-	-
C	MN 05107500	Roseau R at Ross	16,827	5,995	8,850	1,982	-	-	-	-	-	-
C	MN 05112000	Roseau R blw State Ditch 51 nr Caribou	16,368	-	-	16,368	-	-	-	-	-	-
<b>Total by funding source</b>			<b>299,516</b>	<b>91,174</b>	<b>118,535</b>	<b>48,091</b>	<b>7,426</b>	<b>10,210</b>	<b>4,425</b>	<b>4,690</b>	<b>10,260</b>	<b>4,705</b>

**EXPLANATION**

Gage type

C = Continuous discharge gage, Cs = Continuous discharge-seasonal (no winter), C-IV=Index Velocity

By Corey Hanson, Red Lake Watershed District Water Quality Coordinator. 12/11/2018.

- ✓ Clearwater River Watershed Restoration and Protection Strategy Project
- ✓ Sampling results
- ✓ Maple Lake algae
- ✓ Red Lake River fish kill investigation
- ✓ Thief River One Watershed One Plan

### **Red Lake Watershed District Long-Term Monitoring Program**

The second 2018 round of samples was collected for the District's long-term monitoring program in May.



The *E. coli* concentration in Pennington County Ditch 21 was once again low enough to meet the 126 MPN/100ml standard. The concentrations in that ditch have regularly met the standard after the CSAH 17 bridge was replaced and pigeons were no longer roosting over the water. High concentrations of *E. coli* bacteria were found:

- Clearwater River at CSAH 24 near Clearwater Lake
- Silver Creek at CR 111
- Grand Marais Creek at 130<sup>th</sup> St. NW
- Polk County Ditch 1
- Walker Brook at CSAH 19
- Thief River upstream of Agassiz NWR
- Nasset Creek
- Lost River upstream of Pine Lake

**RED LAKE WATERSHED DISTRICT  
MONTHLY WATER QUALITY REPORT**

**June 2018**

- Darrigan's Creek
- O' Briens Creek
- Coburn Creek
- North Cormorant River at CSAH 36
- South Cormorant River
- Blackduck River
- Red Lake River at CSAH 3
- Hill River at Brooks
- Burnham Creek at CR 48
- Gentilly Creek at CSAH 11
- Judicial Ditch 73, near Rydell NWR
- Clearwater River at CSAH 12, near Terrebonne
- Beau Gerlot Creek at CR 114
- Lower Badger Creek at CR 114

High concentrations of total phosphorus were found:

- Silver Creek at CR 111
- RLWD Ditch 15 at CSAH 20
- Polk County Ditch 2 at CR 62
- Grand Marais Creek at 130<sup>th</sup> St. NW
- Grand Marais Creek at 110<sup>th</sup> St. NW (high orthophosphorus – indicating that phosphorus may have been released from sediment under stagnant conditions)
- Heartsville Coulee at 13<sup>th</sup> St in East Grand Forks
- Polk County Ditch 1
- Burnham Creek at 320<sup>th</sup> Ave SW
- Poplar River at CSAH 30, near Fosston
- Hill River at 335<sup>th</sup> Ave SE, upstream of Hill River Lake
- Hill River at CSAH 35, downstream of Hill River Lake
- Pennington County Ditch 21
- Clear Brook at CSAH 92
- Silver Creek at 159<sup>th</sup> Ave
- Nasset Creek
- Lost River upstream of Pine Lake
- Darrigan's Creek
- O' Briens Creek
- Coburn Creek
- North Cormorant River at CSAH 36 – A dead calf was hung-up on the fence that crosses the river upstream of the crossing.
- South Cormorant River
- Blackduck River
- Hill River at Brooks
- Lost River at CR 119, north of Brooks



- Cyr Creek
- Clearwater River at Plummer
- Poplar River at 310<sup>th</sup> St SE
- Poplar River at CR 118
- Terrebonne Creek at CSAH 92

There was a large increase in total suspended solids in Grand Marais Creek between the 110<sup>th</sup> St. NW (upstream of the CD 2 confluence) and 130<sup>th</sup> St. NW (downstream of the CD 2 confluence) crossings. Total phosphorus and total suspended solids met standards in the Red Lake River at East Grand Forks, Fisher, and Crookston (along reaches impaired by total suspended solids). High concentrations of total suspended solids were found at:

- Red Lake River at Highlanding (6/18/2018)
- Nasset Creek
- Red Lake River at CSAH 11 (Gentilly Bridge)
- Clearwater River at Plummer
- Clearwater River at CSAH 12, near Terrebonne

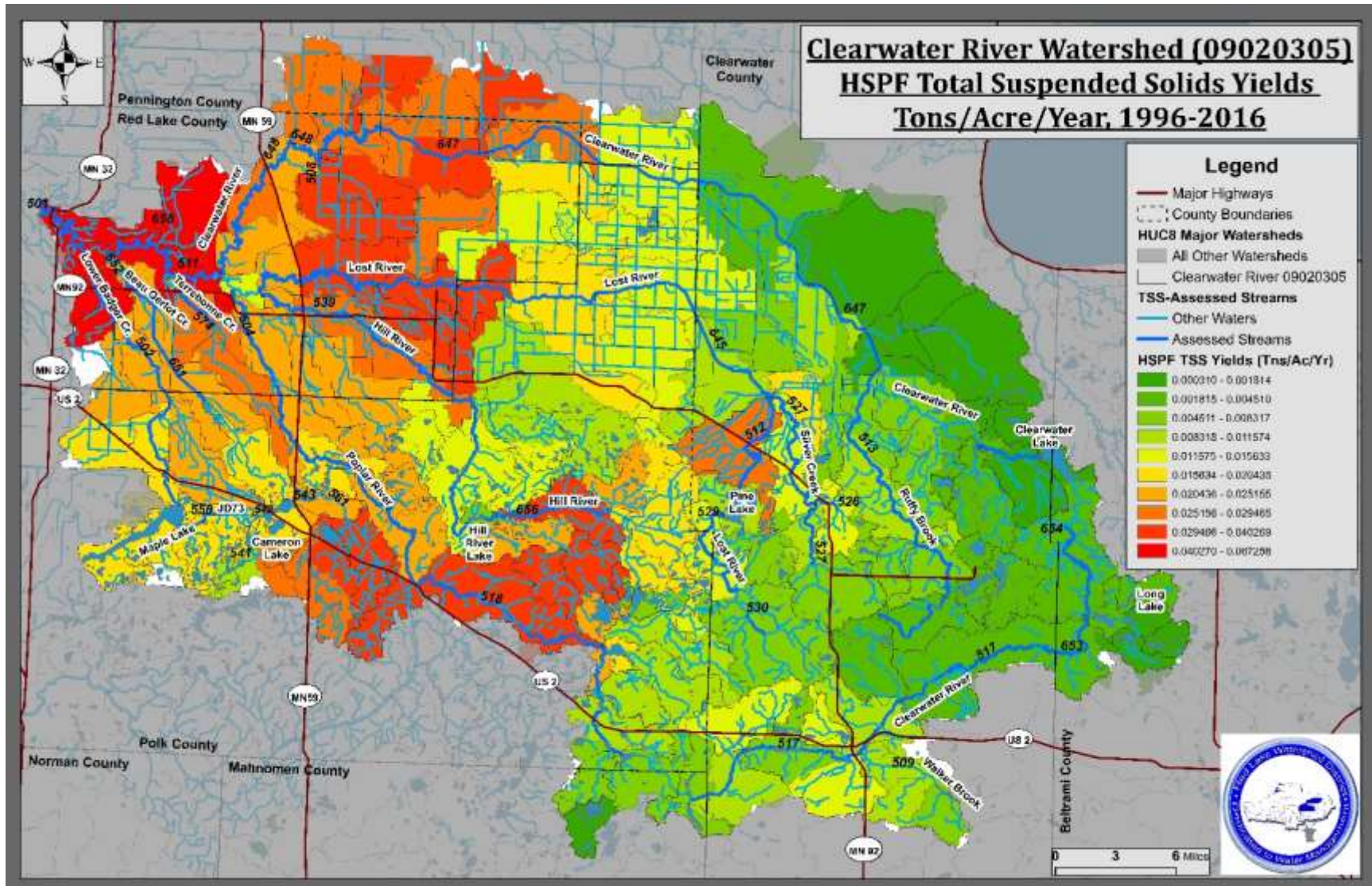
The East Polk SWCD sampled nine lakes within the Clearwater River watershed. Cameron Lake and Oak Lake had very poor Secchi disk transparency measurements (2 feet or less). Cameron Lake, Hill River Lake, Oak Lake, and Cross Lake had high concentrations of total phosphorus relative to applicable standards. Cameron Lake, Oak Lake, and Hill River Lake had high concentrations of chlorophyll-a relative to applicable standards. Maple Lake was sampled by the Maple Lake Improvement District and it met the shallow lakes standards for total phosphorus and chlorophyll-a, but just barely failed to meet the standard for Secchi disk transparency. Whitefish Lake, Poplar Lake, Spring Lake, Badger Lake, and Turtle Lake met standards.

### **Clearwater River Watershed Restoration and Protection Strategy (WRAPS) Project**

- Objective 10 – Report Writing
  - Progress was made on writing sections of the Clearwater River TMDL report
  - Revised the HSPF-modeled sediment yield map for the Clearwater River watershed
  - Longitudinal TSS assessment along the Clearwater River
  - Poplar River stressors of aquatic life
  - 90<sup>th</sup> percentile TSS concentrations from the HSPF model
  - District staff inspected the potential fish passage barriers that were identified in the Clearwater River Watershed Stressor Identification Report.
    - The culvert at the 350<sup>th</sup> Street crossing was not restricting flow or fish passage. The Poplar River is relatively deep at that location and the gradient is relatively low. The culverts at 310<sup>th</sup> Ave SE have some potential to block fish passage at low flows. The entrance to the south, corrugated metal culvert was bent upward. There was some debris at the entrance to the north, concrete culvert. The velocity of flow through both culverts was relatively high.

# RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

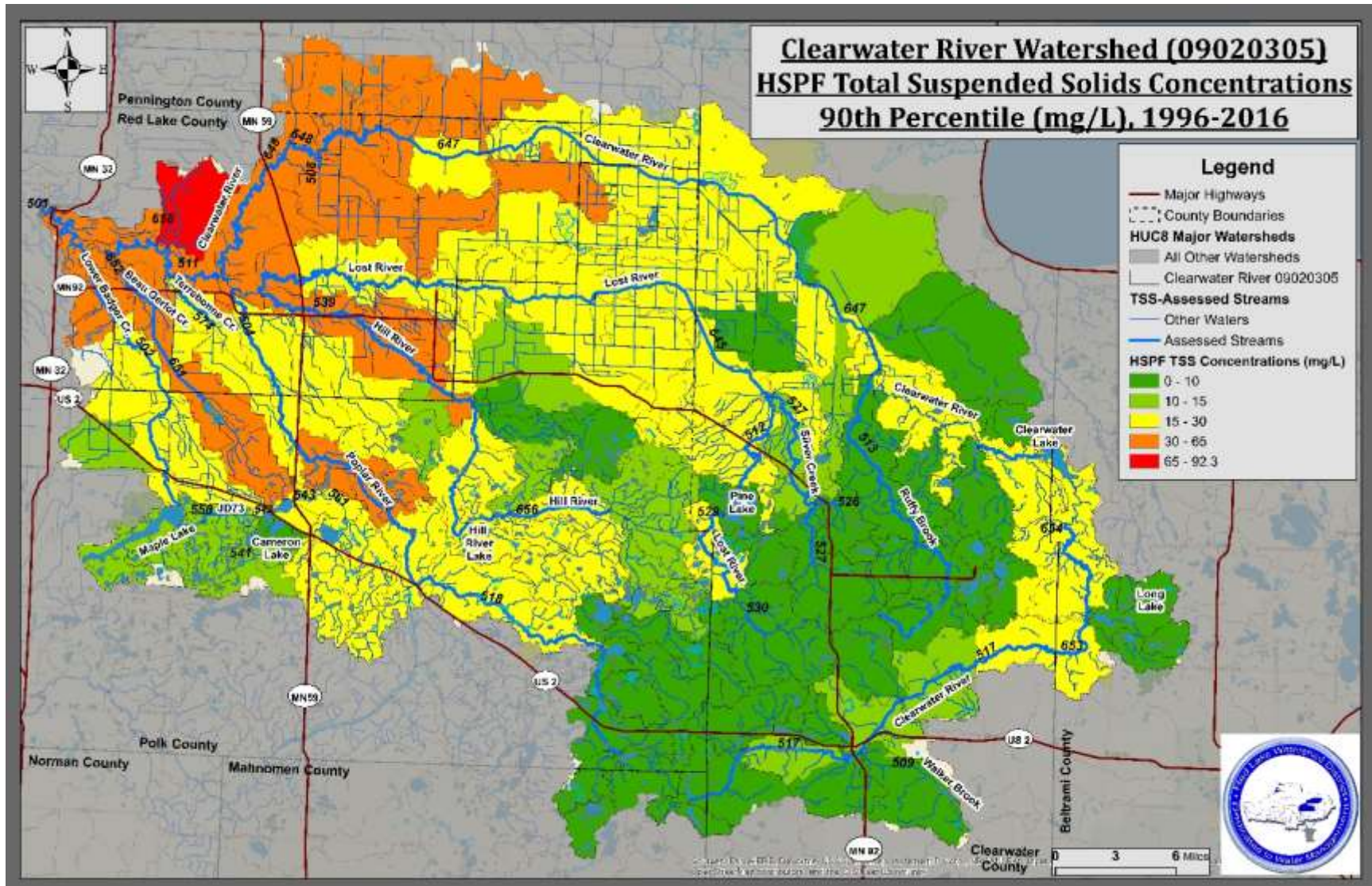
June 2018





# RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

June 2018



### **Red Lake River Fish Kill**

A fish kill was reported in the Red Lake River east of Thief River Falls. A resident reported that he found around 100 dead suckers in the river while fishing and noticed big chunks of dried algae floating down the river near the Highlanding and Smiley Bridges in either late May/early June. The most common cause of fish kills is a lack of dissolved oxygen in the water, but they may also be caused by extreme temperatures, diseases, parasites, or toxins. District staff collected longitudinal water quality samples along the Red Lake River in an effort to discover a potential cause of this particular fish kill. There were still some dead white suckers at the Kratka Bridge. Dissolved oxygen levels were sufficient (>5 mg/L). Flow wasn't exceptionally high at the time. There were no signs of extreme flow in ditches. Some ditches weren't even flowing. The water coming from Good Lake Impoundment was clean and clear. There were live suckers in the river at 420<sup>th</sup> Ave SE.

At the "River Valley" Bridge (CSAH 3), District staff notices a metallic smell in the air, an oily sheen on the water, and a large floating mat of something that looked and smelled very much like manure. Although that floating, manure-like mat was odd, it was not a likely cause of a fish kill. Another unusual occurrence near the Red Lake River was a collision of two trucks at an intersection north of the Kratka Bridge. One of those trucks was hauling fertilizer and there was some evidence of spillage – brown, chemically "burnt" grass, oil in the road ditch. There was a strong diesel/chemical odor at the crash site. It looked like both trucks went into a ditch that flows to the Red Lake River (CD 59) less than a mile downstream. The vegetation was discolored near the water line in the ditch near the crash site, there was an oily sheen, and there was a dead duckling in the water. The ditch near the accident connects to the Red Lake River but was stagnant and choked with cattails and other vegetation that likely would have filtered much of any pollutants that might have been spilled into the ditch.



Dead sucker at the Kratka Bridge



Clean water in the Good Lake Impoundment Outlet Channel



Dead duckling and oily sheen at the location of a truck accident



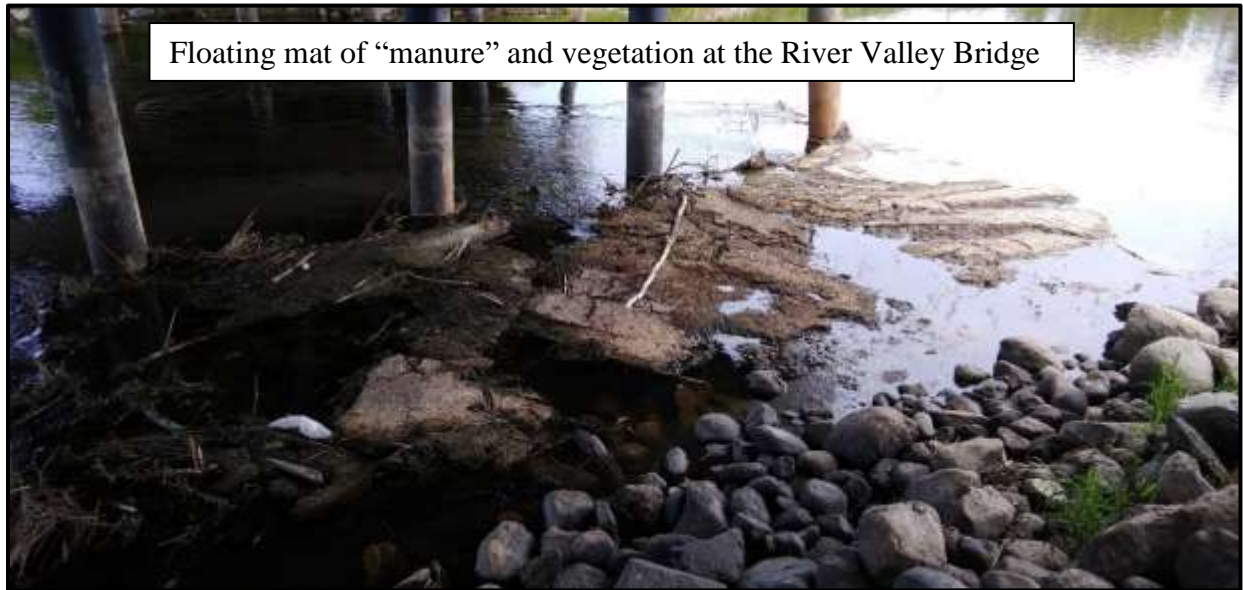
Site of the truck crash, north of the Kratka Bridge



District and SWCD staff removed the manure-like “island” from under the River Valley bridge. Some residual, floating chunks of the floating, manure-like mat were sampled and analyzed for blue-green algae and *E. coli* by RMB Environmental Laboratories. *E. coli* was sufficiently diluted in the open-water portion of the river, however because no June 2018 samples from the Highlanding Bridge exceeded the *E. coli* standards. The samples contained a high concentration



of *E. coli* bacteria and also contained blue-green algae. The water was subsequently tested for the presence of algal toxins, which were not present at concentrations high enough to be detected by an Abraxis test kit.



It was odd that only suckers were affected by the fish kill event. If the fish kill was caused by conditions in the river, it would have made sense for it to have affected other, more sensitive species. DNR staff were notified of the fish kill but did not investigate because it was not an ongoing problem. In the end, much effort was put into investigating the problem, but no definitive answer and not water-quality-based cause could be found.

Other theories have been proposed but are difficult to prove. One theory is that there was a disease that only affected suckers. Another theory is that the suckers traveled up a ditch to spawn, became trapped due to low flow, died, and were then flushed downstream. RLWD staff continued to regularly sample the Red Lake River until initial sampling results were received. The river met water quality standards in most of the samples, except for a high total suspended solids concentration at the Highland Bridge on June 18, 2018.

### **Thief River One Watershed One Plan (1W1P)**

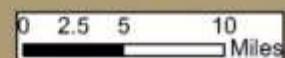
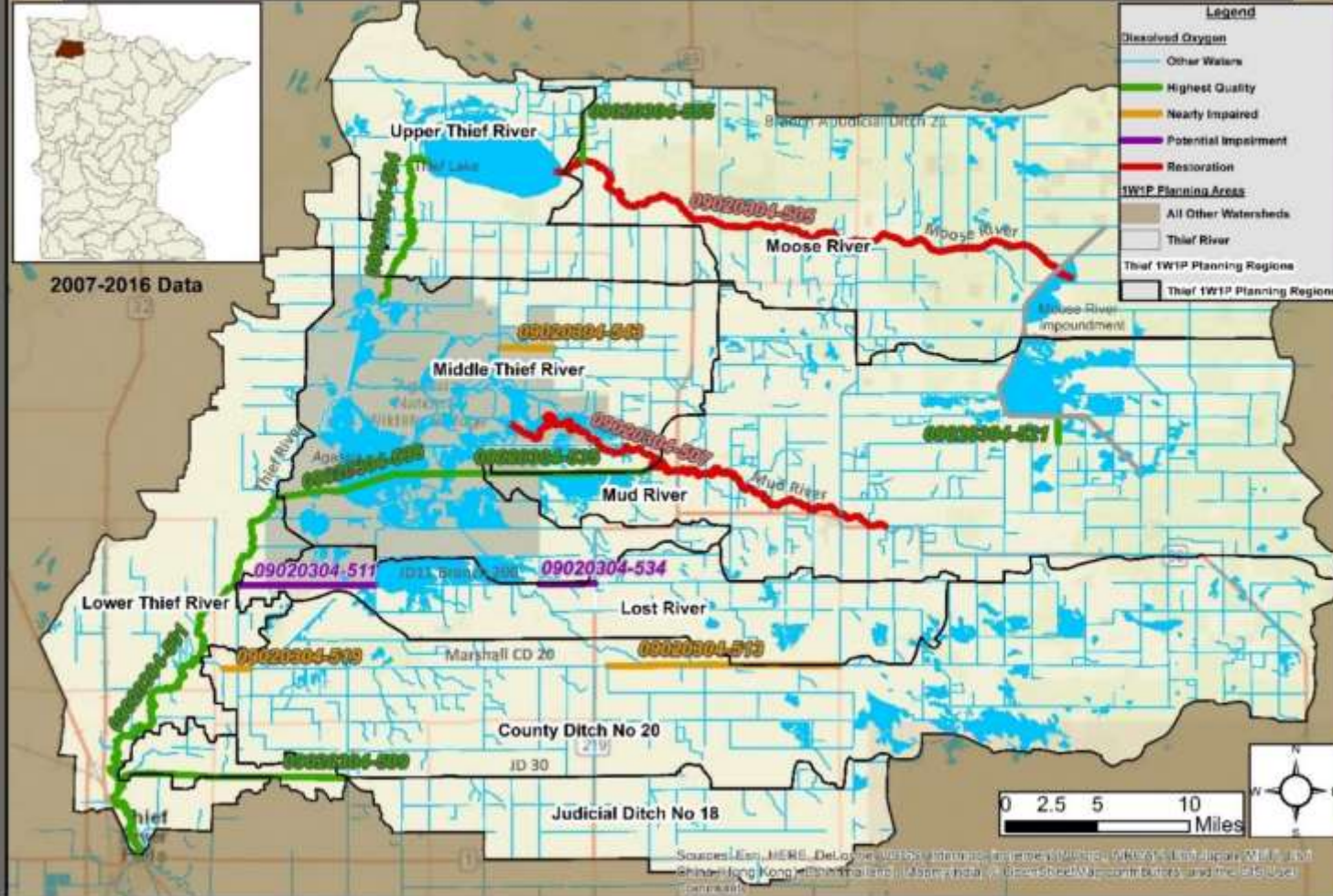
District staff used the Thief River HSPF-SAM to get simulated, longitudinal sediment loading data for the lower Thief River. Some questionable results were found. The model outputs showed a high sediment load at CSAH 7 near Agassiz National Wildlife Refuge than the load downstream at 140<sup>th</sup> Ave NE near Thief River Falls. Staff from the Minnesota Department of Natural Resources made progress on a zonation analysis of the Thief River watershed. District staff reviewed the draft Section 5 of the Thief River 1W1P document and edited the restoration and protection prioritization maps.

### Thief River Watershed - Dissolved Oxygen Categorization of Waters for Restoration and Protection



2007-2016 Data

- Legend**
- Dissolved Oxygen**
- Other Waters
  - Highest Quality
  - Nearly Impaired
  - Potential Impairment
  - Restoration
- IWTP Planning Areas**
- All Other Watersheds
  - Thief River
  - Thief IWTP Planning Regions
  - Thief IWTP Planning Regions



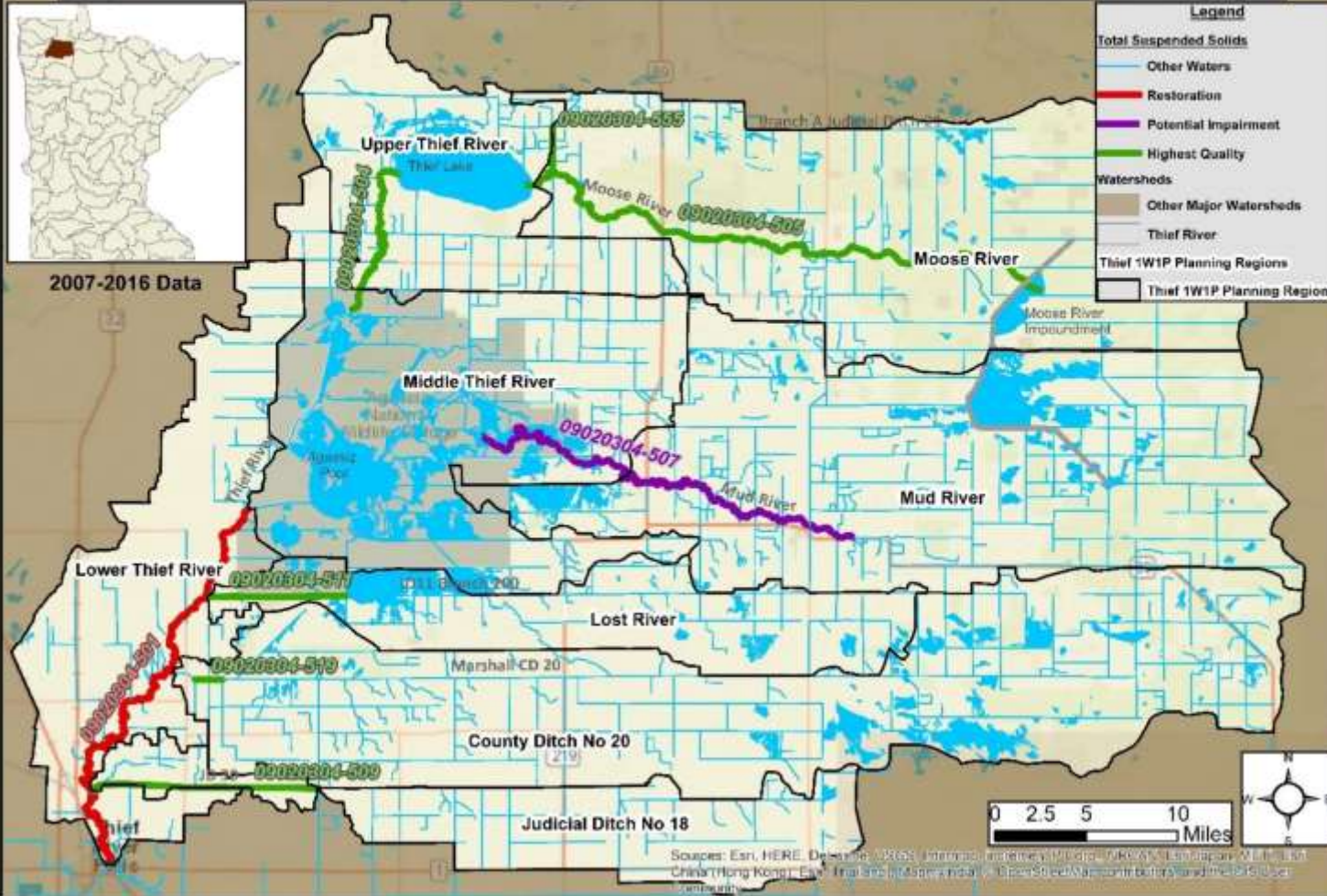
Sources: Esri, HERE, DeLorme, WorldWind, Swatch, GEBCO, USGS, AeroGRID, IGN, SNT, LDM, Shiner, Hong Kong, Bilibid, Aerial, Mapbox, OpenStreetMap contributors, and the GIS User Community



## Thief River Watershed - Total Suspended Solids Categorization of Waters for Restoration and Protection



2007-2016 Data













**Maple Lake Algae**

Residents along Maple Lake complained of excess floating mats of algae in mid-to-late June. District staff answered questions from landowners, spoke with members of the Maple Lake Improvement District, and collected samples. Information was shared with East Polk SWCD staff. The visible, nuisance algae were green, filamentous algae (not harmful). However, some blue-green algae were also present in the sample that was sent to RMB Environmental Laboratories for identification. The lab recommended additional sampling.



**Thief River Watershed Restoration and Protection Strategy (WRAPS)**

The MPCA finished a review of the Thief River WRAPS and Total Maximum Daily Load (TMDL) reports. District staff made some minor edits to the Thief River WRAPS and TMDL documents. The Thief River Watershed Restoration and Protection Strategy and the Thief River Total Maximum Daily Load reports were officially released for public comment on June 25, 2018. District staff shared the notice through email and social media.

**Other Notes**

- Water quality related notes from the June 14, 2018 Red Lake Watershed District Board of Managers meeting:
  - Brad Dokken, Outdoor Writer for the Grand Forks Herald published his article featuring the Grand Marais Creek Outlet Restoration Project in the June 10, 2018 publication of the Grand Forks Herald. This article is featured in part to the ten-year anniversary for Clean Water, Land and Legacy Amendment passing.
  - The RLWD acquired 5 Eureka Manta logging multiprobe sondes from a GSA auction (USFWS excess property).
- Water quality related notes from the June 28, 2018 Red Lake Watershed District Board of Managers meeting:
  - BWSR has recommended that the District apply for a Clean Water Grant for the outlet of the Thief River Falls West Side FDR Project, which could be potentially constructed in 2019, would allow for the outlet downstream of MN State Hwy 32 to heal, with the remaining project constructed in 2020.
  - Staff member Loren Sanderson stated that informational kiosks had been delivered to the sites of the Euclid East Impoundment, RLWD Project No. 60C and the Parnell Impoundment, RLWD Project No. 81. Sanderson requested a quote from a local contractor to pour a concrete slab, secure the kiosks to the slab, and complete some minor repair work to both kiosks.
- A water quality report was written for the month of April 2018.
- During a sampling trip to Beltrami County, photos of the new Blackduck Lake outlet (with water flowing through it) were taken.
- District staff reviewed the Red Lake River PTMApp targeted plan.
- The MN DNR completed a well interference report for two wells near the Poplar River, north of Erskine, in Badger Township near the Red Lake and Polk County line. Both were flowing wells that had recently stopped flowing. The homeowners believed that the wells may have gone dry due to increased irrigation in the area. The DNR was conducting an investigation to determine whether or not well interference was occurring.

**June 2018 Meetings and Events**

- **June 1, 2018** – Thief River One Watershed One Plan Planning Work Group phone conference
- **June 7, 2018** – HSPF-SAM water quality modeling tool training session



- HSPF-SAM is now available for most of the watersheds in the Red Lake Watershed District (<https://www.respec.com/sam-file-sharing/>).
- **June 11, 2018** – Pennington County Water Resources Advisory Committee meeting
  - The news of a potential fish kill in the Red Lake River was discussed
  - The pallet company’s property along Chief’s Coulee has been purchased and the new owner will work with the city to replace the deteriorated pipes that run under that property.
  - Two septic systems will be brought into compliance in the Chief’s Coulee drainage area in 2018.
  - The city is planning on inspecting the underground portions of the Chief’s Coulee drainage system with a camera.
  - Pennington County staff are showing RLWD staff how to complete the work for the Ditch Inventory Grant in Polk County.
  - Flights are underway for the SWCD’s Ditch Outlet Analysis grant. Seven outlets have been flown with LiDAR-equipped drones and 3-4 outlets have been assessed using other tools. Now, they will be looking at data to compare LiDAR with the other tools. Five more outlets will be flown with drones in 2018 if the weather cooperates.
  - An update was given on the status of the Thief River PTMApp. Iterations of the model have revealed locations where flow lines (virtual paths for simulated water flows) need to be adjusted.
  - SWCD staff gave an update on the progress of the City of Thief River Falls Stormwater Assessment. There has been a lack of support from the high school and the college for the projects that were identified on those properties. There has been some support from MNDOT. There is approximately \$10,000 left in the budget that will be used to survey and design the Hartz Park streambank stabilization project.
  - \$677,551 has been allocated for the implementation of projects in the Red Lake River One Watershed One Plan, pending final approval by BWSR.
  - Ideas for Clean Water Fund applications were discussed
    - Hartz Park streambank stabilization
    - Combine all 3 proposed Thief River Falls streambank stabilization projects into one application.
    - Wetland restoration along/downstream of Pennington Ave (between Greenwood Street and Parkview Street). This is an old oxbow that has been filled-in and contaminated by stormwater runoff and historical lime sludge disposal (1950s-1980s). It could be designed to meet stormwater pond standards to treat runoff and include natural resource enhancements.
  - Due to a lack of action from Agassiz NWR in regards to changing its practice of flushing sediment from Agassiz Pool into the Thief River, the city of Thief River Falls is trying to get a project going to move their intake for the dam to a point upstream of the Thief River confluence.
- **June 12, 2018** – Polk County Water Resources Advisory Committee
  - The well interference complaints in the Erskine area were confirmed by DNR testing.

**RED LAKE WATERSHED DISTRICT  
MONTHLY WATER QUALITY REPORT**

**June 2018**

- A residence in Polk County had been pumping sewage into a drain tile that discharged to a public drainage ditch.
- **June 13, 2018** – Thief River One Watershed One Plan meeting
- **June 20, 2018** – Conference call to discuss a potential 319 Grant to restore water quality in a portion of the Red Lake River
- **June 29, 2018** – Thief River One Watershed One Plan conference call

Red Lake Watershed District Monthly Water Quality Reports are available online:  
<http://www.redlakewatershed.org/monthwq.html>.

Learn more about the Red Lake Watershed District at [www.redlakewatershed.org](http://www.redlakewatershed.org).

Learn more about the watershed in which you live (Red Lake River, Thief River, Clearwater River, Grand Marais Creek, or Upper/Lower Red Lakes) at [www.rlwdwatersheds.org](http://www.rlwdwatersheds.org).

“Like” the Red Lake Watershed District on [Facebook](#) to stay up-to-date on RLWD reports and activities.