

RED LAKE WATERSHED DISTRICT

Tuesday, March 13, 2018

Agenda

9:00 a.m.

9:00 a.m.	Call to Order	Action
	Review and approve agenda	Action
	Requests to appear	Information
	February 22, 2018 Minutes	Action
	Financial Report dated March 12, 2018	Action
	Ditch 16, RLWD Project. No. 177- Preliminary Engineers Report	Info./Action
	Thief River Falls West Side FDR Project No. 178-Update	Information
	Black River Impoundment, RLWD Project No. 176-Update	Information
	Judicial Ditch 72, RLWD Project No. 41-Update	Information
	Local/State/Federal Partnership Grants-RLWD Project No. 180	Action
10:00 a.m.	Red Lake Nation - David Manuel and Tim Sumner	Information
	Louisville-Parnell Impoundment, RLWD Proj. 121-Wetland Banking	Information
	Mahnomen County Buffer Strip Ordinance	Information
	Beltrami County Buffer Strip Ordinance	Information
	Enbridge Energy Line 3 Replacement-Letter of No Objection-Lost River	Info./Action
	Permit Extension: RLWD Permit No. 17037-MN DNR Forestry	Action
	Permits: 18008-18010	Action
	Minnesota Viewers Association – 2018 Membership	Action
	2018 MAWD Summer Tour, June 20-22, 2018	Information
	RLWD Advisory Committee Meeting – March 19, 2018	Information
	Administrators Update	Information
	Legal Counsel Update	Information
	Managers’ updates	Information
	Adjourn	Action

UPCOMING MEETINGS

March 12, 2018	Black River Impoundment-Landowner Meeting, 1:00 p.m.
March 19, 2018	RLWD Citizen Advisory Committee Meeting, 9:30 a.m.
March 21-22, 2018	RRWMB March Conference-Moorhead
April 12, 2018	RLWD Board Meeting, 9:00 a.m.
April 26, 2018	RLWD Board Meeting, 9:00 a.m.

DRAFT

RED LAKE WATERSHED DISTRICT
Board of Manager's Minutes
February 22, 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 Dale M. Nelson, Terry Sorenson, Brian Dwight, Allan Page and LeRoy Ose. Absent: Les Torgerson and Gene Tiedemann. Staff Present: Myron Jesme and Tammy Audette and Legal Counsel Sparby.

The Board reviewed the agenda. Manager Dwight requested the addition of the Thief River 1W1P. A motion was made by Ose, seconded by Sorenson, and passed by unanimous vote that the Board approve the agenda with the addition of the Thief River 1W1P and declaring 2005 Suburban as excess property. Motion carried.

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

The Board reviewed the Financial Report dated February 21, 2018. Motion by Sorenson, seconded by Page, to approve the Financial Report dated February 21, 2018 as presented. Motion carried.

The Board reviewed the Investment Summary as of February 21, 2018. Manager Sorenson recommended depositing the three Certificate of Deposits that will mature on March 4, 2018 and March 15, 2018. Motion by Sorenson, seconded by Ose, to deposit the following Certificate of Deposits into the Northern State Bank checking account: American State Bank, Grygla, maturity date of March 4, 2018; two with CDARS-Unity Bank, both with the maturity date of March 15, 2018. Motion carried.

Motion by Page, seconded by Sorenson, to declare the 2005 Chevrolet Suburban as excess or surplus property. Motion carried.

Bids were opened for the sale of the 2005 Chevrolet Suburban, that was determined as excess or surplus property. The following bids were received: Pamela Knott \$7,102.62 and Daniel Mapes \$7,550.00. Motion by Ose, seconded by Dwight, to approve the sale of the 2005 Chevrolet Suburban that was declared as excess property to Daniel Mapes for \$7,550.00, he being the highest bidder. Motion carried.

Administrator Jesme and Engineer Nate Dalager, HDR Engineering, Inc., stated that details are being planned for an Open House/Landowner meeting for the Thief River Falls West Side Flood Damage Reduction Project, RLWD Project No. 178. Various funding options are also being pursued.

Engineer Tony Nordby, Houston Engineering, Inc., stated that he is working on setting up meetings with landowners along the diversion ditches to discuss right-of-way requirements.

EQIP funding is available for the installation of side water inlets pipes, but funding needs to be spent in 2018. Landowners can sign a waiver for EQIP funding. Nordby stated that the permit process will begin in the next month.

There will be Judicial Ditch 72, RLWD Project No. 41/Polk County Ditches 61, 87, 88, 89 and 136 landowner meeting on February 27, 2018 at 2:00 p.m. at the Gully Community Center. The purpose of the meeting is to discuss the potential consolidation of ditches and redetermination of benefits, as well as to update the landowners on the buffer strip law and compliance timeline.

Staff member, Ashley Hitt, presented information on the River Watch Forum that was held at the Alerus Center on February 20, 2018. The theme for the Forum was *River Watch in Action*. River Watch teams were encouraged to partner with another entity to complete a Water Stewardship Project. The Board viewed a video prepared by the Red Lake County Central River Watch students. Staff member, Christina Slowinski, also participated in the River Watch Forum, assisting with an informational booth about the District.

Motion by Sorenson, seconded by Ose, to table the following permits until conditions allow for a determination: No. 18001-Todd and Debra Stanley; 18002-Todd Stanley; 18003-Greater Minnesota Transmission; 18004-Jamie Wayne Hegland; 18005-Hanson Construction, Marc Hanson; and 18006-Allan Merrill, Rogen and Rye Farms. Motion carried. District staff will submit letters to the applicants, notifying them that the permits are tabled. Manager Dwight discussed the provisions to tile permit outlets for subsurface drainage pumps. Dwight requested that District staff review the Middle Snake Tamarac Rivers Watershed District rules and report back to the Board.

MAWD dues for 2018 were presented to the Board. Motion by Page, seconded by Dwight, and passed unanimously to approve paying \$7,500 for the 2018 MAWD dues. Motion carried.

Discussion was held on rescheduling the March 2018 District Board meeting dates. Motion by Page, seconded by Ose, to hold one meeting in March, to be scheduled for March 13, 2018 at 9:00 a.m. at the District office. Motion carried.

Administrator Jesme shared a listing of staff computers, highlighting all computers ranging in dates from 5 to 8 years old. Jesme mentioned that two staff computers have been showing signs of hard drive failure but are still working. After considerable discussion, motion by Page, seconded by Dwight, to authorize the District staff to update at least three computers per year until all computers are updated. Motion carried.

Administrators Update:

- Jesme and Manager Ose attended the RRWMB meeting in Ada, on February 20, 2018.
- Jesme and staff members, Audette and Hanson, participated in the Thief River 1W1P Policy and Advisory Committee meetings on February 14 at the District office. Included in the packet was the agenda for the meeting.
- The Red Lake River 1W1P Policy Committee met on February 21 in the District office to reviewed potential projects and budget projected for BWSR funding.

- Jesme, staff members, Sanderson and Stanley, and Manager Ose attended the interagency meeting with the MnDNR and Agassiz NWR to discuss the operation of impoundments for 2018.
- Staff member Hitt will be attending an Aquatic Invaders Summit III, February 28th-March 1st in Minneapolis. Hitt currently participates in the Polk County AIS workgroup.
- Staff members Hitt and Slowinski attended the Red River Basin Water Quality Monitoring Training held February 22nd in Crookston.
- Staff members Sanderson, Stanley and Hitt and Manager Page attended the Drainage & Water Conference, sponsored by Rinke Noonan in St. Cloud on February 15th.
- Included in the packet was the September-October 2017 Water Quality Report.
- Jesme will attend a meeting this afternoon with the West Polk SWCD and Engineer Jerry Pribula to discuss side water inlet culverts and funding through Clean Water funds.

It was the consensus of the Board to have the Budget and Salary Committee meet in regard to updating the Fox Lawson Report.

Discussion was held on concerns of Policy and Advisory Committee Members on the Thief River 1W1P.

The Board reviewed an email from David Manuel regarding attending a District Board meeting. It was the consensus of the Board to extend an invitation to Mr. Manuel to attend the next District Board meeting.

Legal Counsel Sparby discussed his phone conversation with Attorney John Kolb, Rinke Noonan, regarding Judicial Ditch 5, RLWD Project No. 102 and Four-Legged Lake Project No. 102A. Sparby stated that now that we have initiated a project for the development of the Four-Legged Lake, RLWD Project No. 102, the two projects are separate, but still intertwined. He presented options to the Board as follows: the Board could leave the abandonment of Judicial Ditch 5 on the table; remove it from the table and reconvene the hearing; remove it from the table, reconvene the hearing and possibly abandon the ditch system as is or vote to do a partial abandonment which would result in an adjustment to the elevation that would be different than the 1920 elevation. In any abandonment proceeding, the Board would have to consider if the system serves any useful function and this could include concerns of the county road safety and protection of the traveling public when viewed from a sound water management standpoint. Discussion was held on maintenance on the current ditch system. Engineer Nate Dalager, HDR Engineering, Inc., stated that a Preliminary Engineers Report for the Four-Legged Lake Project, RLWD Project No. 102, could be ready within the next few months. He further stated that a Feasibility Report has been completed, which is approximately 75% of the Preliminary Engineers Report. Dalager stated that an Environmental Assessment Worksheet is not required for the Preliminary Engineers Report but will be required for the permitting process. No action was taken by the Board to remove the prior action from the table.

Manager Dwight stated that he will be participating in a meeting for Bartlett Lake in Northhome to review the findings of a study that was performed.

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

LeRoy Ose, Secretary

RED LAKE WATERSHED DISTRICT
Financial Report for March 12, 2018

Ck#	Check Issued to:	Description	Amount
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	\$ 3,684.74
online	MN Department of Revenue	Withholding taxes	677.51
online	Public Employees Retirement Assn.	PERA	2,536.56
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	126.22
36659	Marshall County Environmental Office	Thief River 1W1P Planning	436.02
36660	Pennington SWCD	Thief River 1W1P Planning and Grant Reporting	386.00
36661	Postmaster	Mail Surface Pro to Les Torgerson	37.75
36662	City of Thief River Falls	Electricity, water, sewer, etc.	960.26
36663	Ashley Hitt	Per diem meals for AIS summit	56.00
36664	MN Assoc. of Drainage Inspector	Registration for Brady at Drainage Inspectors annual mtg.	30.00
36665	MN Energy Resources Corp.	Heating	61.09
36666	Northwest Beverage, Inc.	H2O for office	22.50
36667	Loren Sanderson	Per diem meals for Drainage Law seminar	46.00
36668	Sjoberg's Cable TV	Internet expense	74.75
36669	Brady Stanley	Per diem meals for Drainage Law seminar	46.00
36670	Ameripride Services Inc.	Office rug rental	30.20
36671	Tammy Audette	Clean offices in February	280.00
36672	Centurylink	Telephone expense	269.94
36673	Farmers Union Oil Company	Gas for vehicles	213.83
36674	Houston Engineering, Inc.	* Engineering fees	24,108.65
36675	Hugo's #7	Various meeting and building maintenance supplies	210.52
36676	Ihle Sparby & Haase PA	** Legal Services	3,744.00
36677	International Water Institute	Reg. for (3)Clearbrook High School and Christina-WQ training	80.00
36678	Les's Sanitation, Inc.	Garbage pickup	33.70
36679	Marco	*** See below for explanation	1,840.99
36680	NCPERS	Life insurance premium	128.00
36681	Dale M. Nelson	Mileage	37.06
36682	Northwestern Mutual Financial	Deferred Compensation	484.84
36683	Olson Construction	Snow plow parking lot in February	240.00
36684	Polk County Taxpayer Service	Apportionment of maintenance on JD 72	518.92
36685	Quill Corporation	Copy paper, large envelopes, cleaning supplies, coffee	169.77
36686	Richards Publishing Co.	Ad for start of aeration on Pine Lake	162.00
36687	RinkeNoonan	Legal services for Thief River Westside FDR Project	422.50
36688	Sun Life Financial	Life insurance premium	139.12
36689	Terracon	Geotechnical engineering services for Black River Impoundmen	10,704.50
36690	Thief River Hardware	For sale sign for 2005 Suburban	1.49
36691	Garden Valley Telephone	Telephone maintenance	112.75
36692	HDR, Inc.	**** Engineering fees	45,610.56
36693	Houston Engineering, Inc.	Engineering fees-Black River Impoundment	34,817.25
36694	MCI	Long distance telephone expense	61.13
36695	Pribula Engineering	Engineering fees for RLWD Ditch 16, Proj. 177	32,400.00
36696	Thief River Falls Times	Ad for Sale of 2005 Suburban	193.50
direct	Brian Dwight	Mileage	276.86
direct	Terry Sorenson	Mileage	122.61
direct	Blue Cross Blue Shield	Health insurance premium	6,433.50
online	Aflac	Staff paid insurances	465.74
online	Cardmember Services	***** See below for explanation	1,370.24
direct	SelectAccount	Medical FSA	20.00
direct	SelectAccount	Medical FSA	39.20
	Payroll		
	Check #11346 -11358		12,268.69
	Total Checks		\$ 187,193.46

***Houston Engineering, Inc.**

Proj. 149AA PTMapp	299.50
Proj. 149A TR1W1P	18,909.15
Proj. 41 JD 72	900.00
Proj. 167A Drainage Database	<u>4,000.00</u>
TOTAL	24,108.65

**** Ihle Sparby & Haase PA**

(15) Office 365 Monthly expense	187.50
Monthly Managed IT services	1,259.00
Monthly copier maintenance	<u>394.49</u>
TOTAL	1,840.99

*****Marco**

Proj. 149AA PTMapp	299.50
Proj. 149A TR1W1P	18,909.15
Proj. 41 JD 72	900.00
Proj. 167A Drainage Database	<u>4,000.00</u>
TOTAL	24,108.65

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

Proj. 26 Site F Pine Lake	3,380.00
Proj. 26 Pine Lake	18,754.74
Proj. 178 #59 & #1 Drainage CSAH8	1,117.32
Proj. 178 #59 & #1 Drainage	21,011.50
Proj. 102A Four Legged Lake	<u>1,347.00</u>
TOTAL	45,610.56

*******Cardmember Services**

AT&T-cellular phone expense	265.09
Lodging-Ashley-AIS summit	364.52
Lodging-AI-Drainage Law seminar	134.03
Lodging-Brady-Drainage Law seminar	138.54
Lodging-Christina-Drainage Law semi	134.03
Lodging-Loren-Drainage Law seminar	134.03
MAWD-Reg. Leg.Bkfst-Myron&Gene	<u>200.00</u>
TOTAL	1,370.24

Northern State Bank

Balance as of February 21, 2018	1,026,608.85
Total Checks Written	\$ (187,193.46)
Receipt #016514 Northern State Bank-Monthly interest	365.19
Receipt #016516 Beltrami County-State Ditch 83 Forfeiture balance	37.61
Receipt #016517 American State Bank of Grygla-Matured CD	200,000.00
Receipt #016518 American State Bank of Grygla-Quarterly interest on matured CD	369.86
Receipt #016519 Citizens State Bank-Interest on CD	1,041.37
Receipt #016520 CDARS-Interest on CDs invested in CDARS	1,484.73
Balance as of March 12, 2018	<u>\$ 1,042,714.15</u>

Border State Bank

Balance as of January 31, 2018	\$ 10,596.94
Receipt #016513 Daniel Mapes-Purchase of 2005 Chev. Suburban	\$ 7,550.00
Receipt #016515 Monthly interest	2.34
Balance as of February 28, 2018	<u>\$ 18,149.28</u>

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
www.redlakewatershed.org

Secretary
LeRoy Ose

Managers
Les Torgerson
Allan Page
Brian Dwight

TO: Landowners

From Mike + Lori Brooks

~~FROM:~~ TO: Myron Jesme
Administrator

DATE: February 23, 2018

SUBJECT: Black River Impoundment Landowner Meetings

Meetings have been scheduled with landowners for the proposed Black River Impoundment, RLWD Project No. 176 on March 12, 2018 at the Red Lake Watershed District office. The following meeting times are scheduled based on landowner property locations:

- 1:00 p.m. – Landowners Adjacent to Pennington County Road 68
- 1:45 p.m. – Landowners Adjacent to Pennington County Road 12 and 3
- 2:30 p.m. – Landowners Adjacent to Pennington County Road 55

Staff from Houston Engineering, Inc. will present a project update, permanent and temporary right-of-way needs, proposed field crossings and side inlet locations. Landowners will also receive an update on EQIP. Enclosed is the agenda for the meeting and a map of the project area.

Your presence at this meeting is greatly appreciated. If you have any questions, please contact our office.

MJ/tja

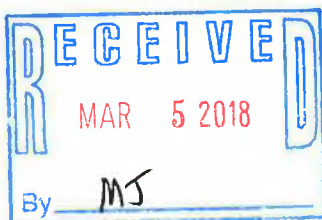
Enclosures

We may have to meet with you at another time.

We are going to be in Montana on the 12th







We don't feel we have a say in this anyway.
I think it is over kill.

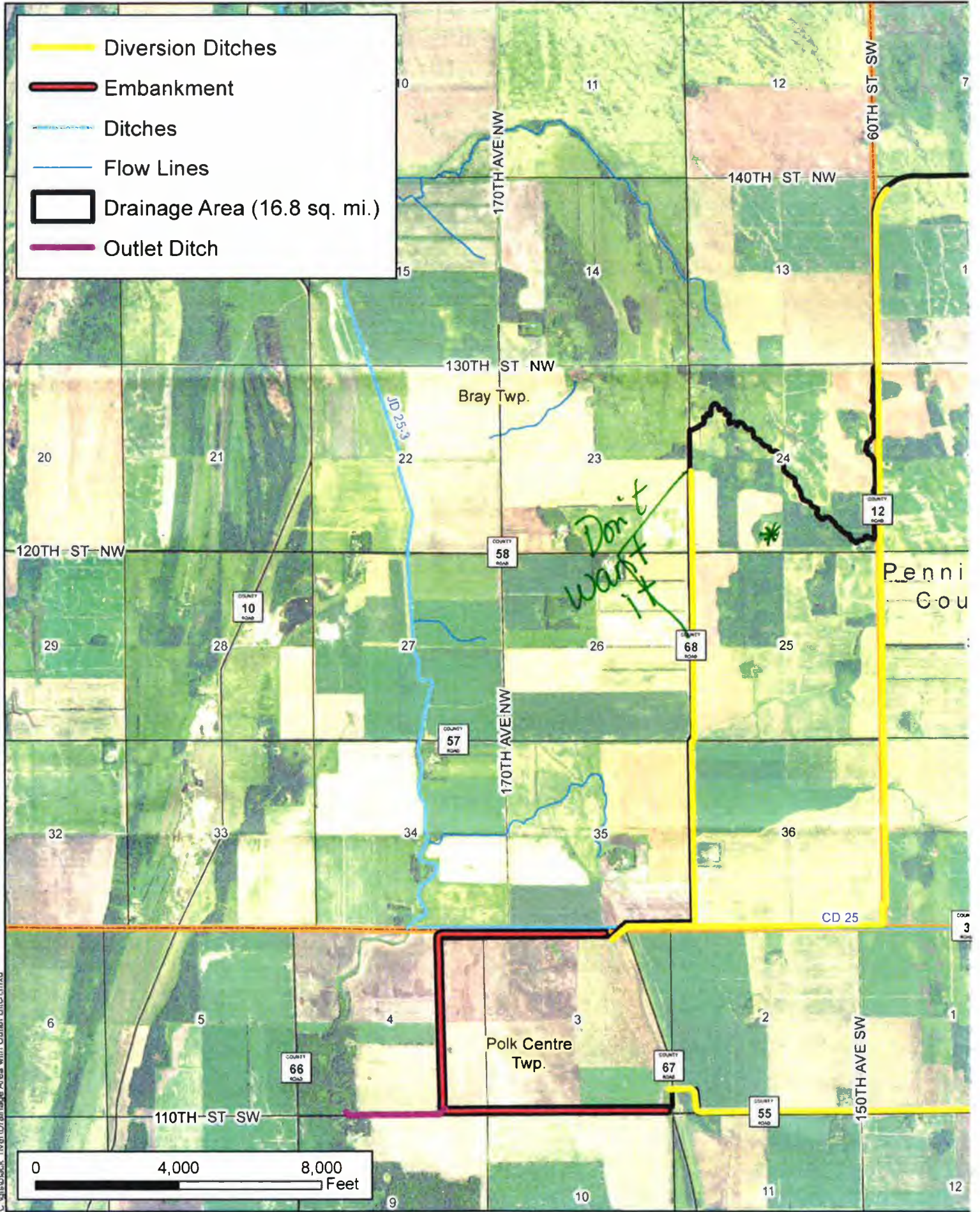
Lori Brooks



Sound Water Management

Not selling so the other option for us.

-  Diversion Ditches
-  Embankment
-  Ditches
-  Flow Lines
-  Drainage Area (16.8 sq. mi.)
-  Outlet Ditch



C:\gis\black_raven\Drainage Area with Outlet Ditch.mxd

February 26, 2018

Scott McCollum, Chair
County Board of Commissioners
Mahnomen County Courthouse
311 N. Main St.; PO Box 379
Mahnomen, MN 56557

Sent Via Email:

RE: Determination of Adequacy, Mahnomen County Buffer Ordinance

Dear Chairman McCollum,

Thank you for sending a copy of the county's buffer ordinance along with a signed resolution documenting adoption by the Mahnomen County Board of Commissioners on February 13, 2018 to the Board of Water and Soil Resources (BWSR) for a final determination on adequacy.

We appreciate the county's efforts in making changes to the ordinance in response to our initial comment letter (dated December 12, 2017). At this time, we have no additional suggestions or guidance regarding the adopted ordinance.

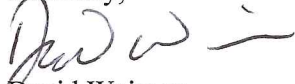
BWSR has completed its final review in conformance with state law and concluded that Mahnomen County has adopted an ordinance, titled Mahnomen County Buffer Ordinance that contains adequate provisions for compliance and enforcement of Minn. Stat. §103F.48 (the Buffer Law). Therefore, BWSR is pleased to inform you that Mahnomen County is determined to be "With Jurisdiction" in accordance with Minn. Stat. §103F.48 Subd. 1 (j).

Finally, any change to this adopted ordinance 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 County Board of Commissioners and all others associated with the development of this ordinance.

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.

Sincerely,



David Weirens

Assistant Director Programs and Policy

cc: Franklin Thompson, County Auditor
Aaron Neubert, District Manager, Mahnomen SWCD
Myron Jesme, Red Lake WD
Daniel Wilkens, Sand Hill River WD
Kevin Rudd, Wild Rice WD
DNR: Jennifer Shillcox, Dan Petrik, Roger Hemphill
BWSR: Travis Germundson, Tom Gile, David Leuthe, Brett Arne, Darren Mayers

March 1, 2018

Sent Via Email:

Richard Anderson, Chair
County Board of Commissioners
Beltrami County Administration Bldg.
701 Minnesota Ave. NW; Suite 220
Bemidji, MN 56601

RE: Determination of Adequacy, Beltrami County Buffer Ordinance

Dear Chairman Anderson,

Thank you for sending a copy of the county's buffer ordinance along with a signed resolution documenting adoption by the Beltrami County Board of Commissioners on January 16, 2018 to the Board of Water and Soil Resources (BWSR) for a final determination on adequacy.

We appreciate the county's efforts in making changes to the ordinance in response to our initial comment letter (dated November 29, 2017). At this time, we have no additional suggestions or guidance regarding the adopted ordinance.

BWSR has completed its final review in conformance with state law and concluded that Beltrami County has adopted an ordinance, titled Buffer Ordinance No. 48; Beltrami County that contains adequate provisions for compliance and enforcement of Minn. Stat. §103F.48 (the Buffer Law). Therefore, BWSR is pleased to inform you that Beltrami County is determined to be "With Jurisdiction" in accordance with Minn. Stat. §103F.48 Subd. 1 (j).

Finally, any change to this adopted ordinance 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 County Board of Commissioners and all others associated with the development of this ordinance.

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.

Sincerely,



David Weirens
Assistant Director Programs and Policy

cc: Kay Mack, County Administrator
Brent Rud, Beltrami SWCD
Myron Jesme, Red Lake WD
DNR: Jennifer Shillcox, Dan Petrik, Brent Mason
BWSR: Travis Germundson, Tom Gile, David Leuthe, Chad Severts, 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

www.redlakewatershed.org

Secretary

LeRoy Ose

Managers

Les Torgerson

Allan Page

Brian Dwight

March 13, 2018

Barry Simonson
Enbridge
26 East Superior Street
Suite 309
Duluth, MN 55802

Subject: Line 3 Replacement Project / Section 408 Review / Lost River

Dear Mr. Simonson:

The Red Lake Watershed District (RLWD) has been contacted by representatives from Enbridge regarding the proposed Line 3 replacement project, requesting specific requirements needed for the RLWD permit application process. RLWD staff has informed Enbridge regarding our permit requirements. The RLWD has had a positive working relationship with Enbridge on many projects throughout the years and we foresee this project to be the same.

As the local sponsor of the dredged portion of the Lost River, the RLWD Board of Managers, at their March 13, 2018 meeting, unanimously passed a motion, to support the U.S. Army Corps of Engineers Section 408 permission for the project to cross the Lost River.

If you have any questions, please feel free to contact our office.

Sincerely,

Dale M. Nelson
President

RED LAKE WATERSHED DISTRICT PERMIT NUMBER 17037

In the matter of the application of: Minnesota DNR Forestry, 16945 State Highway 89, Wannaska, MN 56761

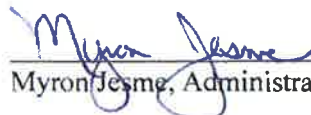
Pursuant to Minnesota Statutes Chapter 103D, the Permit and Drainage Rules of the Red Lake Watershed District, and on the basis of the statement and information contained in the permit application submitted by applicant, including all letters, maps, and other supporting data furnished by applicant, all of which are made a part hereof by reference, permission is hereby granted to Minnesota DNR Forestry address for the purposes of notice and other communications pertaining to this permit is 16945 State Highway 89, Wannaska, MN 56761 the purpose of doing the work applied for with the following exceptions, changes, and/or special conditions:

This permit is granted subject to the following provisions:

- 1) This permit is permissive only and shall not release the permittee from any liability or obligation imposed by Minnesota Statutes, Federal Law or Local Ordinances and shall be subject to all conditions and limitations now or hereafter imposed by law. The Red Lake Watershed District makes no representations to the applicant in granting the permit that the proposed work complies or does not comply with the existing law. No liability shall be imposed upon or incurred by the District or any of its officers, agents or employees, officially or personally, on account of the granting of this permit, or on account of any damage to any person or property resulting from any act or omission of the permittee or any of its agents, employees or contractors relating to any matter hereunder. This permit shall not be construed as estopping or limiting any legal claim or right of action of the District against the permittee, its agents, employees, or contractors for violation of or failure to comply with the provisions of the permit or applicable provisions of law.
- 2) Work authorized under this permit shall be completed by June 1, 2018, unless extended by the District.
- 3) The permittee shall grant access to the site at all reasonable times during and after construction to authorized representatives of the District for inspection of the work authorized by this permit.
- 4) This permit may be terminated by the District without notice at any time deemed necessary for the management of the water resources of the District, or in the interest of the public health and welfare, or for violation of any of the provisions of this permit.

Dated this 1 day of June, 2017.

Red Lake Watershed District


Myron Jesme, Administrator

P.A. No. 17037

**APPLICATION FOR PERMIT
RED LAKE WATERSHED DISTRICT**
1000 Pennington Avenue South
Thief River Falls, MN 56701
218-681-5800

TO THE BOARD OF MANAGERS:

Applicant's Name: <u>Minnesota DNR Forestry</u>		Telephone Number: <u>218-425-7793 ext 223</u>	
Address (Street, RFD, Box No., City, State, Zip): <u>16945 State Highway 89 Wannaska, MN 56761</u>			
Project Location: Government Lot <u>4 & 7</u>		Quarter Section(s) _____ Section(s) <u>6</u>	
Township (Name & #) <u>156</u>		Range # <u>36</u> County <u>Beltrami</u>	
Type of Work Proposed:			
<input type="checkbox"/> Excavate	<input checked="" type="checkbox"/> Install ^{new} <u>conc</u>	<input type="checkbox"/> Channel	<input type="checkbox"/> Dike
<input type="checkbox"/> Fill	<input checked="" type="checkbox"/> Remove <u>old</u> ^{steel}	<input checked="" type="checkbox"/> Culvert (Size _____)	<input type="checkbox"/> Erosion Control
<input type="checkbox"/> Drain	<input type="checkbox"/> Other _____	<input type="checkbox"/> Bridge (Size _____)	<input type="checkbox"/> Other
<input type="checkbox"/> Construct	<input type="checkbox"/> _____	<input type="checkbox"/> Dam	<input type="checkbox"/> _____

Be sure to attach all necessary reports, maps, drawings, photos, other data, etc., to support permit application.

Description of work to be done: <u>Remove culverts from 2 locations. Gov't Lot 7 has double culverts to be replaced with 1 concrete pipe. Gov't Lot 4 has one pipe to be replaced with concrete pipe.</u>	
Estimated drainage area: acres _____ or sq. mile(s)	
Work is necessary because: <u>- Structures in place are old & need replaced.</u>	

I hereby make application for a permit to proceed with the proposal described above and have attached all supporting maps, plans, and other information submitted with this application. The information submitted and statements made concerning this application are true and correct to the best of my knowledge. Obtaining a permit from the Managers does not relieve the applicant from the responsibility of obtaining any other additional authorization or permits required by law.

Signature of owner or authorized agent <u>Shane Reaney</u>	Date <u>4-27-17</u>
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*MS
5-1-17*

For Office Use Only P.A. No. <u>17037</u>
--

APR 28 2017

Tammy Audette

From: Delaney, Shane D (DNR) <shane.delaney@state.mn.us>
Sent: Tuesday, March 06, 2018 2:19 PM
To: Tammy Audette
Subject: FW: Dick's Parkway Culverts
Attachments: Culverts.pdf; ENGINEER'S ESTIMATE.xlsx; scan0187.pdf

Hi Tammy,

This project is planned for summer of 2018. The previous permit I have 17-037 is set to expire in June. I would be looking for an extension to the permit. I have also enclosed the project plans and estimate of the project. This is more detailed than the last project proposal that was sent in. (I forwarded this to Myron and Loren as well).

I also attached the old permit application.

From: Koos, Tyler (DNR)
Sent: Monday, March 05, 2018 1:26 PM
To: Delaney, Shane D (DNR) <shane.delaney@state.mn.us>
Cc: Munstenteiger, Adam S (DNR) <adam.munstenteiger@state.mn.us>; Faulkner, John F (DNR) <john.faulkner@state.mn.us>; Pitt, Deb (DNR) <deb.pitt@state.mn.us>
Subject: Dick's Parkway Culverts

Shane – Here are the plan drawings and cost estimate for the two culvert replacements up on Dick's Parkway. I assume you will provide these plans to the Red Lake Watershed District and Beltrami County for their comment and review.

Reinforced concrete was used for the pipe material since galvanized steel pipes tend to corrode rather quickly in that area. Also unlike a corrugated pipe, the smooth interior walls of concrete pipe make it harder for beaver to jam sticks inside. The existing double pipe installation 5 miles north of TH89 will be replaced with a single 88" x 54" arch pipe. The hydraulics are similar to what the double pipes provide and a wider single pipe will be more difficult for the beaver to plug. The existing 60" CMP 5.9 miles north of TH 89 will be replaced with a round 60" reinforced concrete pipe.

Existing double CMP (48" and 60") has a capacity of 180 cfs with the headwater 1 foot below roadway centerline elevation

Proposed 88" span RC arch pipe has a capacity of 190 cfs with the headwater 1 foot below roadway centerline

Existing 60" CMP has a capacity of 125 cfs with headwater 1 foot below roadway centerline elevation

Proposed 60" RCP has a capacity of 145 cfs with headwater 1 foot below roadway centerline elevation

Let me know if you need any additional information or if some revisions need to be made. Tyler

Tyler Koos, P.E.
Principal Engineer | OSD

Minnesota Department of Natural Resources
2508 Hannah Ave. NW
Bemidji, MN 56601
Phone: 218-308-2639
Cell: 218-556-5108
Email: tyler.koos@state.mn.us



Permit # 18-008

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Mike and Jani Wiebolt		11429 Snake Trail SW Motley, MN 56466		tel: 218-330-5713 mobile: fax:

General Information

(1) The proposed project is a:

Wetland Restoration or Other Water Retention Related Structures

(2) Legal Description

(3) County: **Pennington** Township: **Sanders** Range: **44** Section: **23 1/4**:

(4) Describe in detail the work to be performed. **Wetland restoration (scrapes, embankments and ditch fill)**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Restore drained and/or degraded wetlands on a RIM-WRP easement.**

Status

Status	Notes	Date
Approved	None	March 13, 2018
Received	None	March 1, 2018

Conditions

P.A. #18008 – Wetland Restoration Projects - Red Lake Watershed District (RLWD) approval as per plan set submitted with permit application. Applicant must insure that all proposed work does not adversely impact any adjacent private lands, public drainage, road, and railroad right of way and/or utilities. Plans signed by Terry Ragan, Professional Engineer – State of Mn – Board of Water and Soil Resources (BWSR)

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.



Permit # 18-009

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Garden Valley Telephone Company	201 Ross Avenue Erskine, MN 56535		tel: 218-687-5251 mobile: fax:

General Information

(1) The proposed project is a:

Utility Installations

(2) Legal Description

(3) County: Polk Township: King Range: 41 Section: 4 1/4: SE1/4 NE1/4

(4) Describe in detail the work to be performed. **Install new fiber optic telephone line, via directional bore under the Poplar River.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Upgrading telephone service in McIntosh area.**

Status

Status	Notes	Date
Approved	None	March 13, 2018
Received	None	March 2, 2018

Conditions

P.A. #18009 – Garden Valley Telephone Co. - Red Lake Watershed District (RLWD) approval as per approval of all affected road and ditch authorities and utilities; new lines shall be installed at a minimum of at least 3 feet below the flowline (channel bottom) of rivers, streams, ditches, legal and natural drains.

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.



Permit # 18-010

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Red Lake County Highway Department	204 7th Street SE Red Lake Falls, MN 56750		tel: 218-253-2697 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Red Lake** Township: **Wylie** Range: **45** Section: **35 1/4**:

(4) Describe in detail the work to be performed. **Remove existing bridge and replace with dual 14'x14' box culverts. Regrade for enhanced width and sight distance.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Current bridge is 50 years old and functionally obsolete. Bridge open deck width is insufficient. Sight distance insufficient for traffic safety.**

Status

Status	Notes	Date
Approved	None	March 13, 2018
Received	None	March 8, 2018

Conditions

P.A. #18010 – Red Lk. Co. Hwy. Dept./Houston Engineering – Co. Hwy. #13 bridge at Black River - replace existing bridge with 2 lines of 14 ft. x 14 ft. box culverts - approve

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.

MINNESOTA VIEWERS ASSOCIATION

402 VALLEY VIEW DRIVE
Phone 507-627-1150

REDWOOD FALLS, MINNESOTA 56283
email viewer@mchsi.com

Memorandum

To: County Auditors and Watershed District Administrators
From: Minnesota Viewer's Association
Re: Associate Membership annual dues
Date: February 15, 2018

It is again that time of year when the Minnesota Viewers Association is promoting its annual membership. The Association provides educational services to viewers, appraisers, auditors, commissioners, engineers, board members and others who make decisions for counties and watershed districts on projects depending upon the determination of benefits and damages for project funding. With the drainage systems in Minnesota continuing to age and the increasing demand placed upon these systems in today's agriculture and urban development, the need for understanding the viewing process and having qualified viewers is greater now than it has been in many years.

As an associate member you will receive notice of the seminars and may send representatives to these seminars. The association now holds 5 seminars each year located at various locations within the state. Within the past year the seminar topics have covered the topics of: Impacts of excess moisture on soils and crop production, Determining road benefits, Wetland rules and regulations and the impact on benefits, Damage value considerations, and Considerations of improvement project benefits. Topics considered for the 2018 have started with Hydrology, hydraulic modeling, and topography, and will continue with seminars having a mix of topics that may affect benefits, damages and the viewing process.

The viewers association is a participating member of the BWSR Drainage Work Group as well as having an active participation with MAWD and the Minnesota Public Drainage Manual Update work groups. Our involvement in these groups is to make certain that drainage benefits determined are a consideration in the state's policies and legislation.

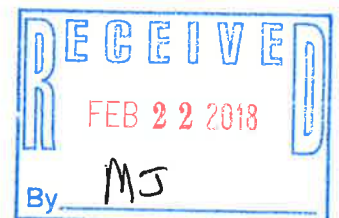
If you are an associate member, we hope that you will continue to support the organization, if not we hope that you will become a member and that you will benefit from our educational service.

Annual Associate Membership is \$200.00 and an invoice and receipt are enclosed. Please fill in the information on the top portion and return it with your membership fee. If you have any questions about our organization or membership, feel free to call me at 507-627-1150 or email me at viewer@mchsi.com.

Sincerely,



Ron Ringquist
Secretary



Minnesota Viewers Association - 2018 Membership

Member in 2017		Yes	No
Name:		Date:	
		Telephone:	
Address:			
City:		State:	Zip:
Year			FEE
2018	Associate Membership dues		\$200.00
TOTAL DUE			\$200.00

Please return top portion and membership dues to :
 Minnesota Viewers Association
 402 Valley View Drive
 Redwood Falls, MN 56283

Minnesota Viewers Association – 2018 Membership

Receipt for Associate Membership Dues From			
Name		Date:	
		Telephone:	
Address:			
City:		State:	Zip:
Year			FEE
2018	Associate Membership dues		\$200.00
TOTAL PAID			\$200.00

establishment. Provisions were made to statute (Minnesota Statutes Section 103E.351) to provide reimbursement to landowners who have established buffers to comply with 103F.48, when a redetermination of benefits is completed.

The Minnesota Viewers Association supports a statutory change in Chapter 103E to allow drainage authorities to acquire and establish buffer strips with apportionment of the costs on a per acre basis equally among all lands in the contributing watershed of the drainage system, regardless of land use. This was included in the Recommendations for *Accelerating Public Drainage System Acquisition and Establishment of Buffer Strips and Alternative Practices* subcommittee recommendations, but was not included in the final version lacking full Drainage Work Group consensus, when submitted to the BWSR board. The Minnesota Viewers Association recommends that, in our opinion, this special purpose one-time charge would more accurately distribute the cost of the buffer strip acquisition, establishment, purpose, and value, when compared to assessing the costs based upon the drainage benefit from a drainage system. The determination of a charge could quickly and easily be established utilizing current county and state data.

The Minnesota Viewers Association supports all measures increasing public cost share for the water quality and wildlife benefits from the establishment of the vegetative buffers and additional multi-purpose projects.

The Minnesota Viewers Association supports that the Association of Minnesota Counties and the Minnesota Association of Watershed Districts, in association with other partners, should develop an educational program for Drainage Authorities, Legislators, and Landowners to promote a better understanding of Minnesota Drainage Law and procedures.

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Minnesota Viewers Association Methodology Support

The Minnesota Viewers Association has existed for more than 30 years. Most Viewers in the state are active members. Many Counties and Watershed Districts support the organization as Associate members. The organization is recognized at the state level as the educational organization for viewing.

The Minnesota Viewers Association has enhanced the historic methods by developing criteria acceptable to most Drainage Authorities as the recognized method and that it establishes a fair distribution of costs to properties benefitting from the drainage systems.

With 103F.048, the buffer strip statute, some individuals and groups have been attempting to develop alternative methods to complete the process faster. It is questioned if these methods provide creditable results.

Therefore, it is recommended that any new or alternative method be reviewed by the Minnesota Viewers Association and that the organization approve, promote, enhance, and provide education on the application of the methods or make recommendations that the method should not be applied.

The Minnesota Viewers Association strives to include new technologies and procedures in the viewing process, but only when the end results are equitable, credible, and defensible.

Save the date!

June 20-22

MAWD SUMMER TOUR - 2018

A MULTI-FACETED APPROACH TO MANAGING A BIG RIVER WITH SMALL WATERSHEDS

Come explore the Minnesota River, and the projects in the Carver County Water Management Organization and the Riley Purgatory Bluff Creek Watershed District.

Tentative agenda:

Wednesday
evening



Discover the Minnesota River by barge

A day to develop your skills or those of your team. Tracks will include environmental analysis and leadership. Details to come!

Thursday
all-day



Tour projects in CCWMO & RPBCWD

Board a bus for a tour of exciting projects ranging from a community stormwater reuse system, to managing a lake inside and out.

Friday
morning



Learn technical & leadership skills

A day to develop your skills or those of your team. Tracks will include environmental analysis and leadership. Details to come!

Questions?

Contact Claire Bleser:
952-607-6512
cbleser@rpbcwd.org



Organized by:



Red Lake Watershed District - Administrators Report

March 13, 2018

Red River Watershed Management Board – The next meeting of the RRWMB meeting will be held at the Courtyard by Marriott in Moorhead, at 9:30 am, March 20, 2018 in conjunction with the RRWMB & RRBFDWG March Conference. I have included in your packet, the agenda for the “Technical Seminar” held 1:30 pm, March 20th, along with the agenda for the entire conference which runs from 10:00 am Wednesday, March 21st and concludes at 12:00 pm Thursday March 22nd.

Thief River 1W1P- Tammy, Corey and I took part in the planning teleconference held February 27th and a Planning Workgroup meeting was held March 1st from 3:00 – 4:30, all in preparation for the upcoming Policy Committee and Advisory meeting which will be held tomorrow March 14th from 9:00 – 12:00 pm.

Red Lake River 1W1P – Policy Committee met at 9:30 am, February 21st at the Red Lake Watershed District Board Room to review potential projects and budget for projected BWSR funding. The next step was to make a final draft application for the Red Lake River 1W1P Funding. This document was submitted to BWSR for the March 12th deadline.

Parnell Impoundment Advisory meeting – Loren and I attended the Parnell Impoundment Advisory meeting held February 28th at 10:00 am. This year was the first time we held the Polk County Ditch #126 and Polk County Ditch #60 Advisory committees the same time which seemed to really work out well.

Minnesota Association of Watershed District – Gene and I attended the day at the Capital which was put on by MAWD. I attended the Minnesota Association of Watershed Administrators meeting from 9:00 – 1:30, March 7th. At 2:30 pm, I along with other RRWMB members met with various legislators at the State Building to discuss FDR projects along with lack of FDR funding.

Aquatic Invaders Summit III - Ashley attended the annual “AIS Summit” held February 28th and March 1st at the Earle Brown Heritage Center, in Minneapolis. This was the first time Ashley attended this conference and in talking to her, she felt it was a great seminar to attend. As some of you may remember, Ashley currently sits on the Polk County AIS workgroup and she feels the information gathered can be helpful as they move forward in the spreading of AIS in our region.

Snow and Moisture Survey – I have included in your packet the recent snow and moisture survey completed by Loren, Brady and Christina.

Water Quality Report – I have included in your packet, Corey’s water quality report dated November and December 2017.

Vacation – Just want to remind the Board that I will be on vacation from March 15 thru March 19th for a trip to Las Vegas.



Red River Watershed Management Board

Technical Seminar
1:30 PM - Tuesday, March 20, 2018
Marriot Hotel, Moorhead, MN

Seminar Goals – To share information about water quality monitoring and research efforts in the Red River Basin and to provide a venue for technical discussion.

- 1:30 PM** **Welcome and Purpose of Seminar**
Robert Sip, Executive Director, RRWMB
- 1:35 PM** **USGS Red River Stream-gaging Overview**
*Christopher Laveau, Hydrologic Networks and Data Chief
Dakota Water Science Center, USGS*
- 2:05 PM** **Crop Water Needs in the Red River Basin, Managing for Extremes**
Jeppe Kjaersgaard, Research Scientist, MN Dept. of Agriculture
- 2:35 PM** **Water Quality Benefits of Monitoring of a Flood Storage Impoundment**
Joe Magner, Research Professor, University of Minnesota
- 3:05 PM** **Break**
- 3:25 PM** **Rapid Floristic Quality Assessment of Flood Impoundments**
*Danni Halvorson, Monitoring and Education Director
International Water Institute*
- 3:55 PM** **4R Phosphorus Management in the Red River Basin
to Meet Water Quality Goals**
*Heidi M Peterson, Ph.D.
Phosphorus Program Director - International Plant Nutrition Institute*
- 4:25 PM** **Panel Discussion**
- 5:00 PM** **Session Concludes**

No Evening Meal Provided



20th Annual Joint Conference
Red River Watershed Management Board
And
Red River Basin Flood Damage Reduction Work Group
 March 21-22, 2018 – Courtyard by Marriott, Moorhead

“Past, Present, and Future of Watershed Management in the Red River Basin”

Wednesday, March 21, 2018	
10:00 AM – 12:00 PM Red River Room	Soil Water Conservation District Meeting <i>Hosted by Minnesota Board of Water and Soil Resources</i>
12:00 PM – 1:00 PM	LUNCH with EQB
1:00 PM	EQB Business Meeting
1:15 PM	Questions and Answers with EQB
1:30 PM	Welcome “Past, Present, and Future” <i>John Finney - Chairman, Red River Watershed Management Board</i>
	Water management in the Red River Basin <i>Rob Sip – Executive Director, Red River Watershed Management Board</i>
	Mediation Agreement <i>Henry Van Offelen – Clean Water Specialist, Minnesota Board of Water and Soil Resources</i>
	Outcomes and Accomplishments <i>Rob Sip – Executive Director, Red River Watershed Management Board</i>
	Dalen Coulee Project Highlights <i>Jerry Bents – PE, Houston Engineering</i>
	Project 60 – Grand Marais Creek <i>Myron Jesme - Administrator, Red Lake Watershed District</i>
	Roseau Lake <i>Tracy Halstengard – Administrator, Roseau River Watershed District</i>
3:00 PM	BREAK
3:15 PM	Ditch Retrofit – Wilkin SWCD <i>Don Bajumpaa – District Manager, Wilkin Soil and Water Conservation District</i>
	Sand Hill River <i>Nicole Bernd -District Manager, West Polk Soil and Water District</i>
	Wolverton Creek – Buffalo Red <i>Bruce Albright – Administrator, Buffalo-Red River Watershed District</i>
4:30 PM Gathering Space in front of Salon G	SOCIAL HOUR
5:30 PM	Please be seated for supper
7:00 PM	Celebration of 20 Years of the Mediation Agreement <i>John Finney - Chairman, Red River Watershed Management Board</i> <i>Roger Moe – former Minnesota State Senator</i>

*All meeting locations are held in Salon G, E, and F unless otherwise noted

Thursday, March 22, 2018	
7:30 AM	BREAKFAST
8:30 AM	Welcome <i>Jerome Deal – Co-chair, Flood Damage Reduction Work Group</i>
8:35 AM	Soil Health <i>Keith Weston – Coordinator, Red River Basin</i>
9:20 AM	Drainage Water Management <i>Jeppe Kjaersgaard – Research Scientist, MN Department of Agriculture</i>
9:40 AM	Natural Resources Enhancements <i>Ray Norggard – Wetland Wildlife Program Leader, MN Department of Natural Resources</i>
10:00 AM	BREAK
10:20 AM	Status of Watershed Planning <i>Pete Waller – Board Conservationist, Minnesota Board of Water and Soil Resources</i> <i>Jim Courneya – Watershed Supervisor, MN Pollution Control Agency</i> <i>Nicole Bernd -District Manager, West Polk Soil and Water District</i>
10:45 AM	Current Red River Watershed Management Board Goals <i>Rob Sip – Executive Director, Red River Watershed Management Board</i>
11:00 AM	Current Mediation Agreement Goals <i>Henry Van Offelen – Clean Water Specialist, Minnesota Board of Water and Soil Resources</i>
11:15 AM	Small Group Discussion <i>Rob Sip – Executive Director, Red River Watershed Management Board</i> <i>Henry Van Offelen – Clean Water Specialist, Minnesota Board of Water and Soil Resources</i>
11:45 AM	Wrap-up and Next Steps <i>Rita Albrecht – Co-chair, Flood Damage Reduction Work Group</i>
12:00 PM	LUNCH

5 YEAR CAPITAL INVESTMENT PLAN (Does not Include Prior Years FDR Funding (8.021M)

Bonding Fund Needs FY2019 - FY2023+

WD/PROJECT	RRWMB	WD	Other	Federal	FY 2019	FY 2020	FY2021	FY2022	FY2023+	TOTAL COST
March 8, 2018					Bndg FDR	Bndg FDR	Bndg FDR	Bndg FDR	Bndg FDR	
TRWD										
KLONDIKE		8,533,000	100,000	500,000	1,000,000	1,125,000	8,250,000	8,250,000	8,250,000	36,008,000
RRWD										
Roseau Lake	3,020,000	1,310,000	2,670,000		800,000	8,000,000	3,000,000	1,000,000		19,800,000
Whitney Lake	1,830,000	920,000		500,000		2,000,000	750,000			6,000,000
Beltrami	146,000	295,000		500,000			1,500,000	1,500,000		3,941,000
RLWD										
Black River	2,366,667	1,148,333	35,000		2,000,000	1,550,000				7,100,000
TRF Westside	1,000,000	500,000	2,000,000		1,500,000					5,000,000
4 Legged Lk	203,000	115,000	32,000	300,000	350,000					1,000,000
Pine Lake	1,175,000	545,000	30,000	500,000	875,000	875,000				4,000,000
MSTRWD										
JD 19	1,833,000	870,000	47,000	500,000		500,000	500,000	1,800,000	450,000	6,500,000
JD 14	1,667,000	803,000	30,000	500,000		400,000	600,000	1,800,000	200,000	6,000,000
Newfolden	1,020,000	555,000	25,000		200,000	1,200,000	3,000,000			6,000,000
Swift Coulee	2,167,000	1,048,000	35,000				1,000,000	2,000,000	250,000	6,500,000
Oslo PH3	3,333,000	1,667,000	10,000,000		400,000	1,000,000	10,000,000	10,000,000	8,600,000	45,000,000
WRWD										
Lower WR PH1	1,500,000	450,000	9,270,000			150,000	600,000	2,250,000	3,000,000	17,220,000
Halstad		175,000			1,000,000	TBD				1,175,000
Green Meadow	4,000,000	2,000,000	15,000	500,000		3,000,000	3,665,000	3,400,000	3,135,000	19,715,000
Goose Prairie	450,000	64,000	1,138,000			266,000				1,918,000
Perley PH2		1,875,000				625,000				2,500,000
Hendrum PH2		1,875,000			625,000		625,000			3,125,000
SHWD										
Nielsville		26,000	500,000		300,000	2,180,000		500,000		3,506,000
Bear Park	1,140,000	460,000		500,000		1,000,000	1,000,000	400,000		4,500,000
BdSWD										
Redpath	5,667,000	1,500,000	4,714,287		5,000,000	5,000,000	5,000,000	5,000,000	3,118,713	35,000,000
Brandrup	860,000	315,000	15,000	500,000	310,000	2,000,000	2,000,000			6,000,000
Western 32	1,000,000	485,000	15,000				2,000,000	2,000,000	500,000	6,000,000
Big Lake	115,000	130,000	15,000		100,000	290,000				650,000
Totals	34,492,667	27,664,333	30,686,287	4,800,000	14,460,000	31,161,000	43,490,000	39,900,000	27,503,713	254,158,000

RED LAKE WATERSHED DISTRICT

SNOW SURVEY – WEEK ENDING Mar. 10, 2018

MNDNR
THIEF LAKE WMA
SNOW DEPTH – “xxxx”
MOISTURE CONTENT – “xxxx”

US F&WS
AGASSIZ NW REF.
SNOW DEPTH – “xxxx”
MOISTURE CONTENT – “xxxx”

SITE #1
UPSTREAM OF ELM LK. IMP.
NEAR DITCH #200
SNOW DEPTH – 11.15”
MOISTURE CONTENT – 2.70”

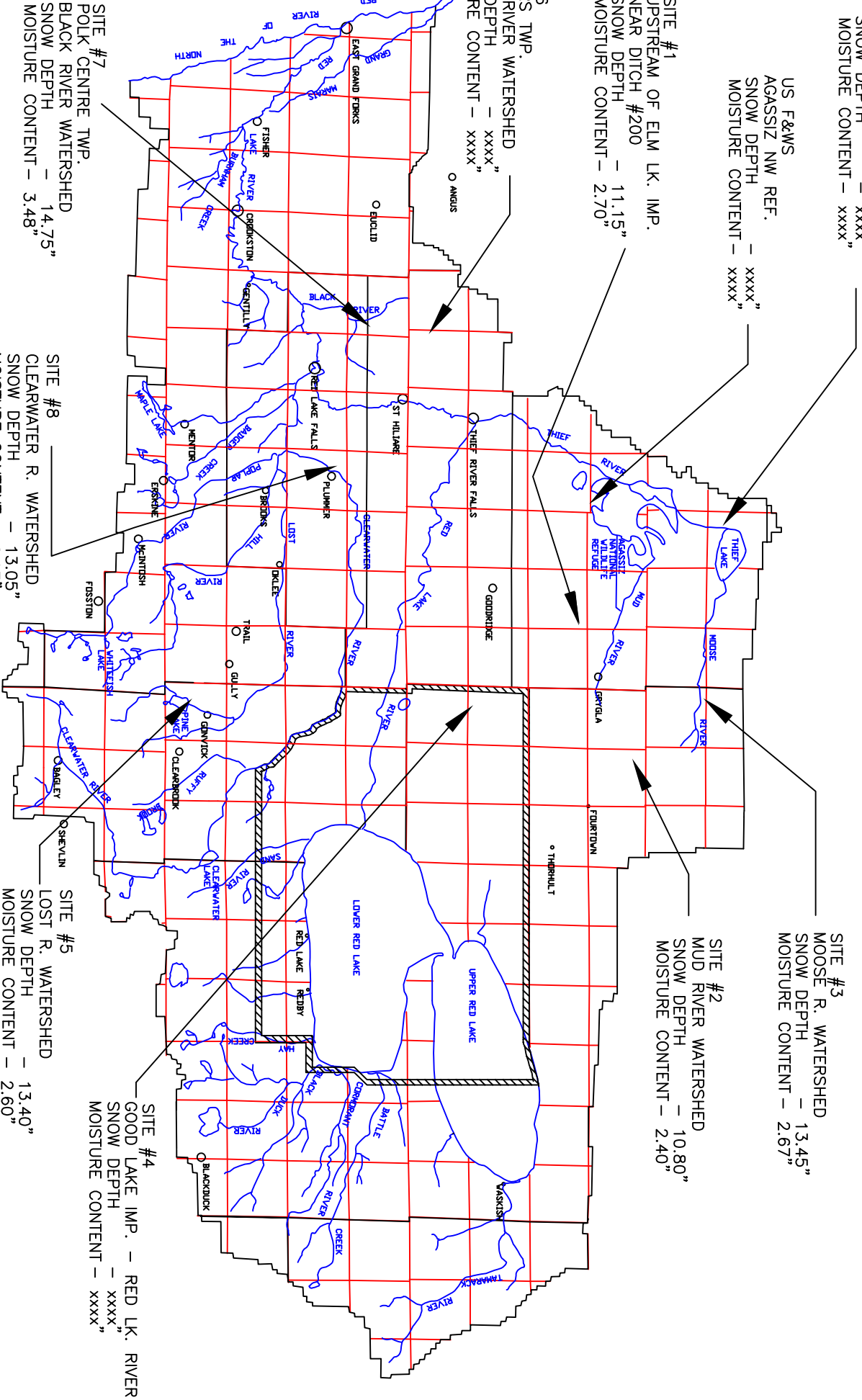
SITE #6
SANDERS TWP.
BLACK RIVER WATERSHED
SNOW DEPTH – “xxxx”
MOISTURE CONTENT – “xxxx”

SITE #3
MOOSE R. WATERSHED
SNOW DEPTH – 13.45”
MOISTURE CONTENT – 2.67”

SITE #2
MUD RIVER WATERSHED
SNOW DEPTH – 10.80”
MOISTURE CONTENT – 2.40”

SITE #7
POLK CENTRE TWP.
BLACK RIVER WATERSHED
SNOW DEPTH – 14.75”
MOISTURE CONTENT – 3.48”

SITE #8
CLEARWATER R. WATERSHED
SNOW DEPTH – 13.05”
MOISTURE CONTENT – 2.97”



SITE #4
GOOD LAKE IMP. – RED LK. RIVER
SNOW DEPTH – “xxxx”
MOISTURE CONTENT – “xxxx”

SITE #5
LOST R. WATERSHED
SNOW DEPTH – 13.40”
MOISTURE CONTENT – 2.60”

By Corey Hanson, Red Lake Watershed District Water Quality Coordinator. 3/6/2018.

- ✓ New email addresses for RLWD staff
- ✓ Data Entry
- ✓ Equipment retrieval
- ✓ Thief River Watershed Restoration and Protection Strategy
- ✓ Thief River One Watershed One Plan

New Email Addresses

Red Lake Watershed District staff and board managers were assigned new, uniform email addresses. Here is the current list of RLWD contacts so you can update email addresses in your contacts list:

Staff:

- Myron Jesme, Myron.Jesme@redlakewatershed.org
- Tammy Audette, Tammy.Audette@redlakewatershed.org
- Loren Sanderson, Loren.Sanderson@redlakewatershed.org
- Arlene Novak, Arlene.Novak@redlakewatershed.org
- Christina Slowinski, Christina.Slowinski@redlakewatershed.org
- Ashley Hitt, Ashley.Hitt@redlakewatershed.org
- Corey Hanson, Corey.Hanson@redlakewatershed.org
- Brady Stanley, Brady.Stanley@redlakewatershed.org
- RLWD (in general), RLWD@redlakewatershed.org

Board of Managers:

- Dale Nelson, Dale.Nelson@redlakewatershed.org
- Gene Tiedemann, Gene.Tiedeman@redlakewatershed.org
- LeRoy Ose, LeRoy.Ose@redlakewatershed.org
- Terry Sorenson, Terry.Sorenson@redlakewatershed.org
- Brian Dwight, Brian.Dwight@redlakewatershed.org
- Allan Page, Allan.Page@redlakewatershed.org
- Les Torgerson, Les.Torgerson@redlakewatershed.org

River Watch

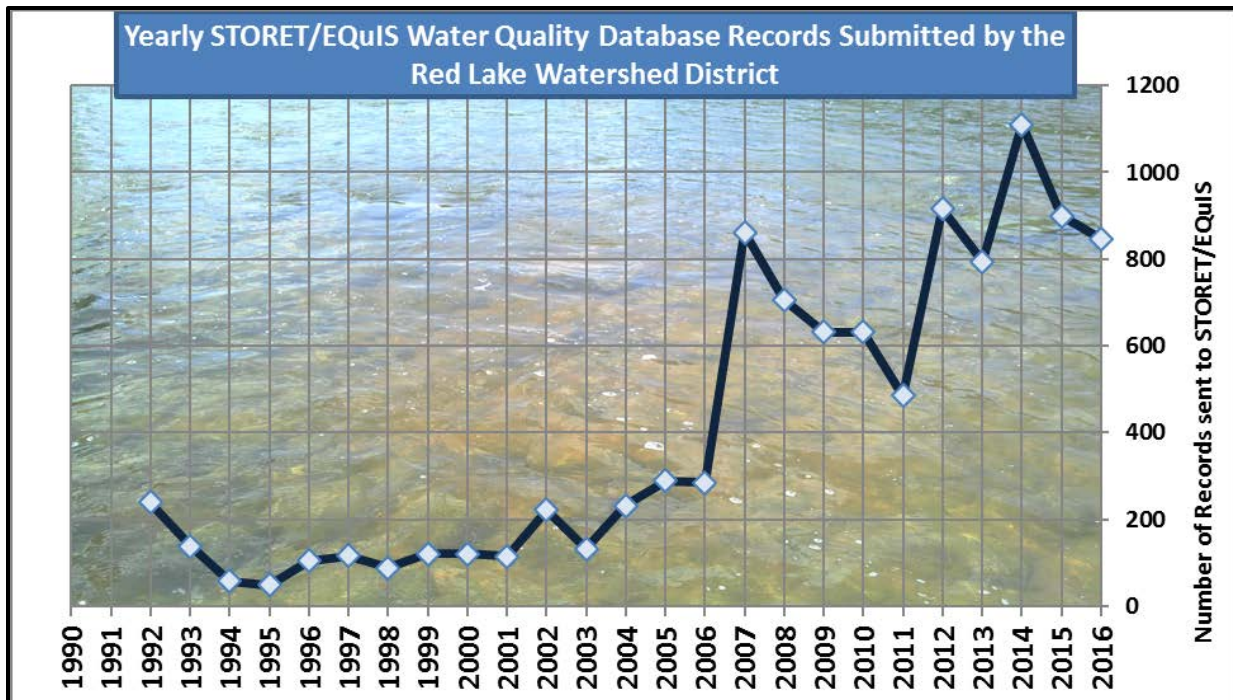
At the end of 2017, River Watch teams were working on the preparation of projects for the 2018 River Watch Forum. Ashley Hitt visited schools within the District to provide assistance.

Clearwater River Watershed Restoration and Protection Strategy (WRAPS) Project

- Objective 10 – Reports
 - Some progress was made in writing the total suspended solids sources section.
 - A map of Pfankuch stability assessment locations and results was created and added to the TMDL report.

Red Lake Watershed District Long-Term Monitoring Program

Data from 2017 water quality monitoring was entered into the RLWD’s database, transferred to an EQuIS submittal template, reviewed for accuracy, then submitted to the MPCA for storage in the EQuIS database. A total of 714 records were submitted to the MPCA. More 265 of those records involved the collection of water quality samples.



Red Lake Watershed District Stream Gaging and Flow Monitoring

HOBO water level loggers collected water level measurements at 24 monitoring sites throughout the Clearwater, Red Lake River, Thief River, and Grand Marais Creek watersheds in 2017. Those loggers were retrieved early in November as cold weather arrived and streams began freezing-over. Data was downloaded from the loggers.

Red Lake River Watershed Restoration and Protection Strategy

Because the revised TMDL and WRAPS documents were not yet reviewed by the MPCA, there was an opportunity to apply general MPCA comments from the Thief River TMDL and WRAPS documents to the Red Lake River documents. The newly revised documents were provided to the MPCA Project Manager on December 28, 2017.

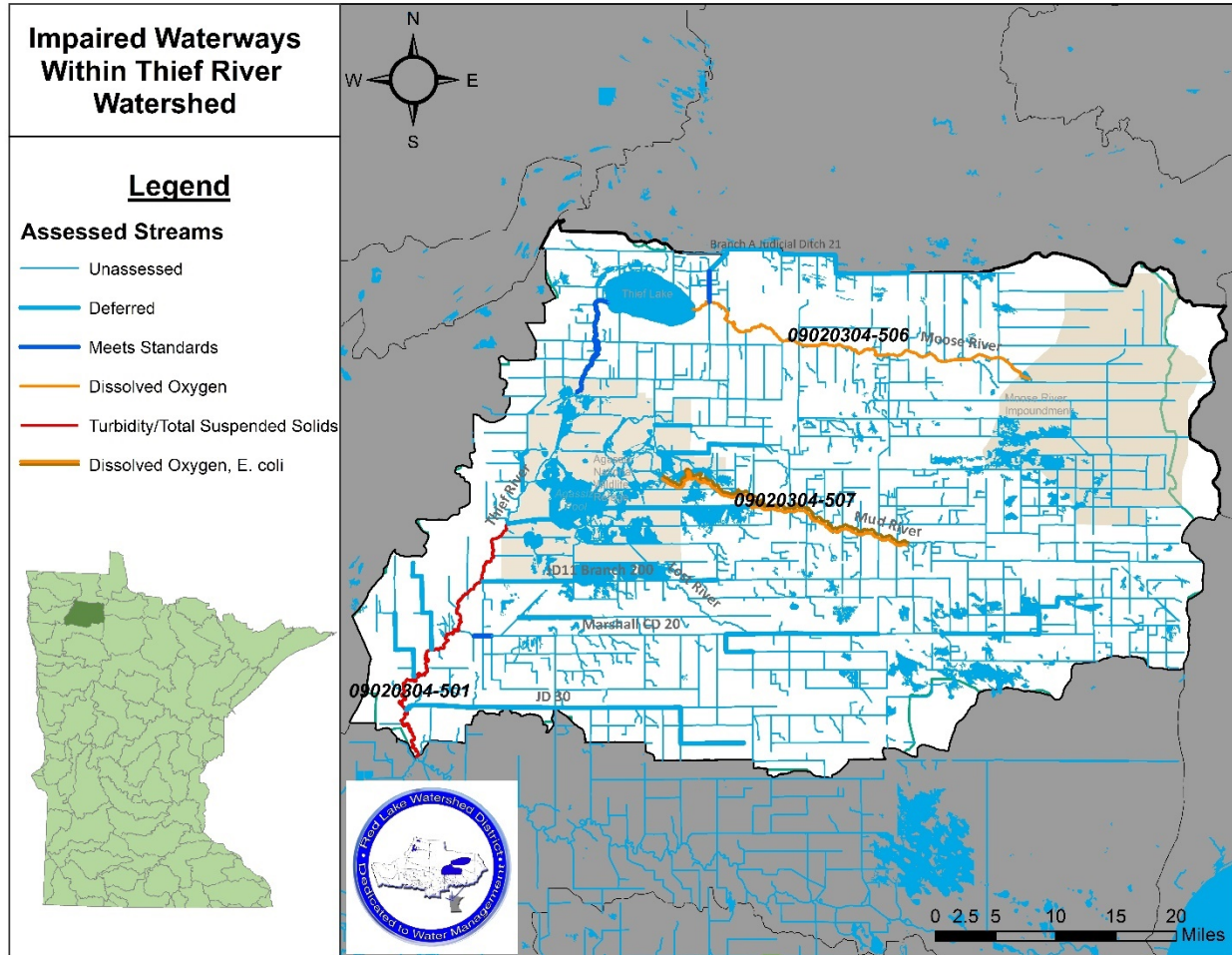
Red Lake River One Watershed One Plan (1W1P)

A Red Lake River 1W1P planning group meeting took place on November 14, 2017 to discuss “other waters” and the project’s work plan.

Grand Marais Creek Watershed Restoration and Protection Strategy

A contract is being developed for the public notice process and editing of the Grand Marais Creek Total Maximum Daily Load (TMDL) and Watershed Restoration and Protection Strategy (WRAPS) documents.

Thief River Watershed Restoration and Protection Strategy (WRAPS)

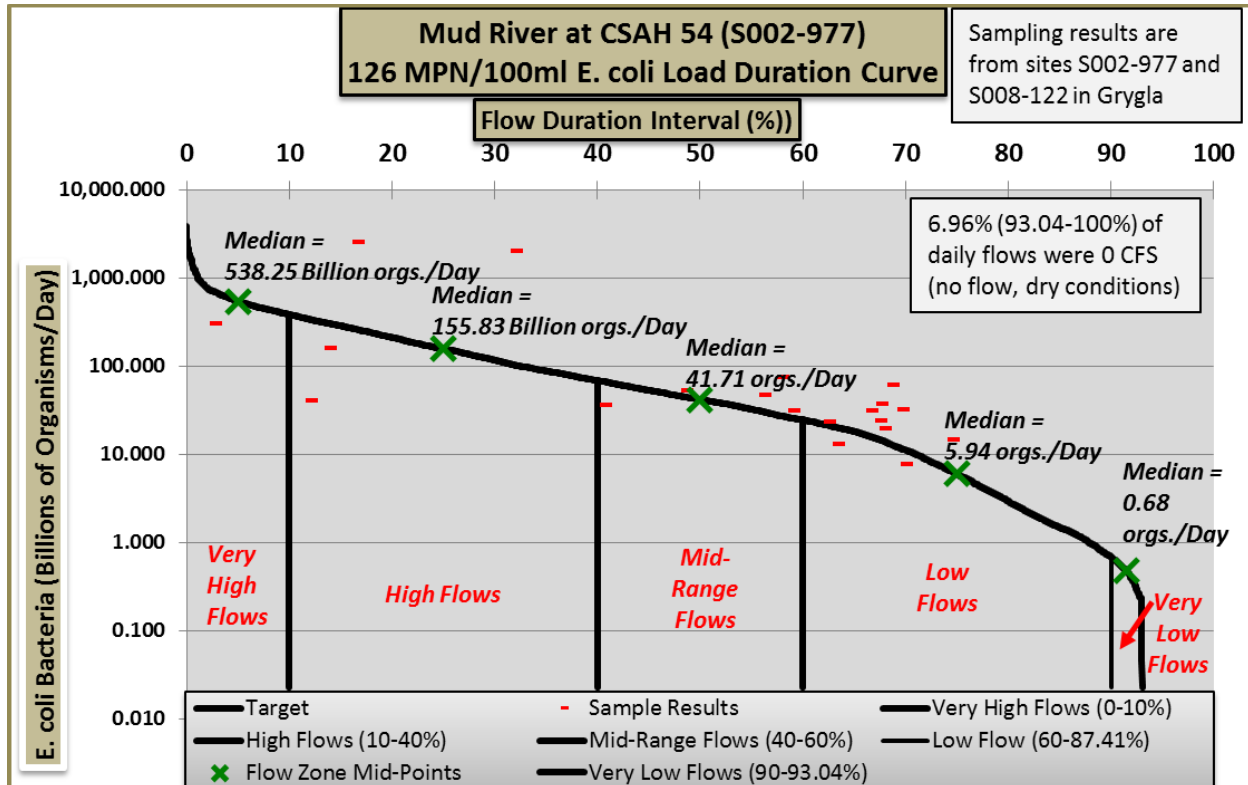


The MPCA had completed a review of the Thief River Total Maximum Daily Load (TMDL) and Watershed Restoration and Protection Strategy (WRAPS) reports. RLWD staff used those comments to edit and improve the documents. TMDLs for the Mud River in Grygla (*E. coli* bacteria) and the Thief River at CSAH 7 (total suspended solids) were added. New revisions of the Thief River TMDL and WRAPS reports were completed in December and sent to the MPCA Project Manager. They should be ready to progress to the public notice phase.

RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

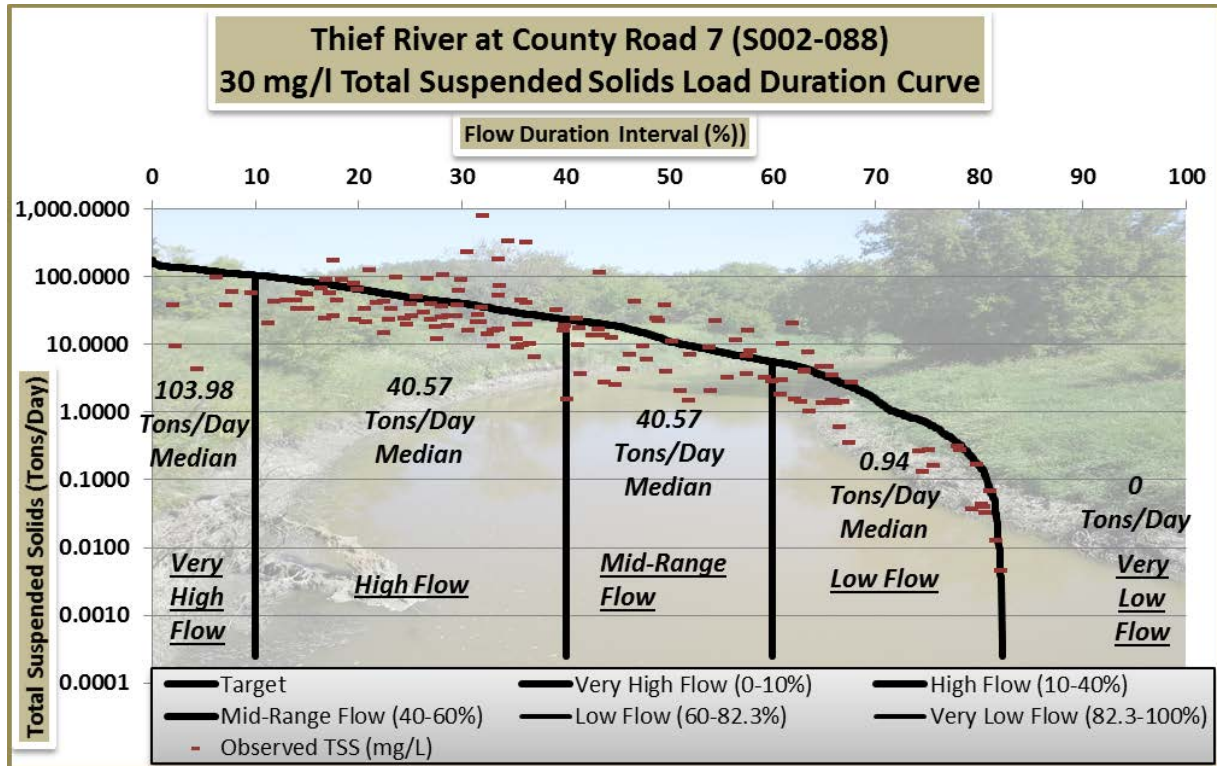
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E. coli bacteria Total Maximum Daily Load for the Mud River in Grygla:



Mud River (09020304-507) at CSAH 54 Annual <i>E. coli</i> Load Reductions at S002-977	Very High Flows	High Flows	Mid-Range Flows	Low Flows	Very Low Flows	Total
Current Daily Load (10^9 orgs/day)	53.00	229.80	157.97	203.49	No Data	
Load Allocation (10^9 orgs/day)	484.43	140.25	37.54	5.35	0.43	
Load reduction (10^9 orgs/day)	-	89.55	120.42	198.14	-	
% of Flows Represented	10%	30%	20%	30.0%	3.0%	93%
# of Days Represented	36.5	109.5	73.0	109.5	11.1	339.60
Annual Load Reduction (10^9 orgs/year)	-	9,805.98	8,790.93	21,696.74	-	40,293.64
Total Current Load	1,934.50	25,163.30	11,531.48	22,282.46	0	60,911.74
Percent Reduction	0.0%	39.0%	76.2%	97.4%	0.0%	66.2%

Total suspended solids Total Maximum Daily Load for the Thief River at CSAH 7:



Lower Thief River (09020304-501) Total Suspended Solids Load Reductions S002-088 Thief River at CSAH 7	Very High Flows	High Flow	Mid-Range Flows	Low Flows	Very Low (No) Flow	Total
Current Daily Load (tons/day)	43.64	61.6	14.39	2.29	0	--
Load Allocation (tons/day)	93.58	36.51	8.33	0.85	0	--
Load reduction (tons/day)	0.00	25.09	6.07	1.44	0.00	--
% of Flows Represented	10%	30%	20%	22.26%	17.74%	100%
# of Days Represented	36.5	109.5	73.0	81.2	64.8	365
Annual Load Reduction (tons/year)	0.0	2747.0	442.7	117.3	0.0	3307.1

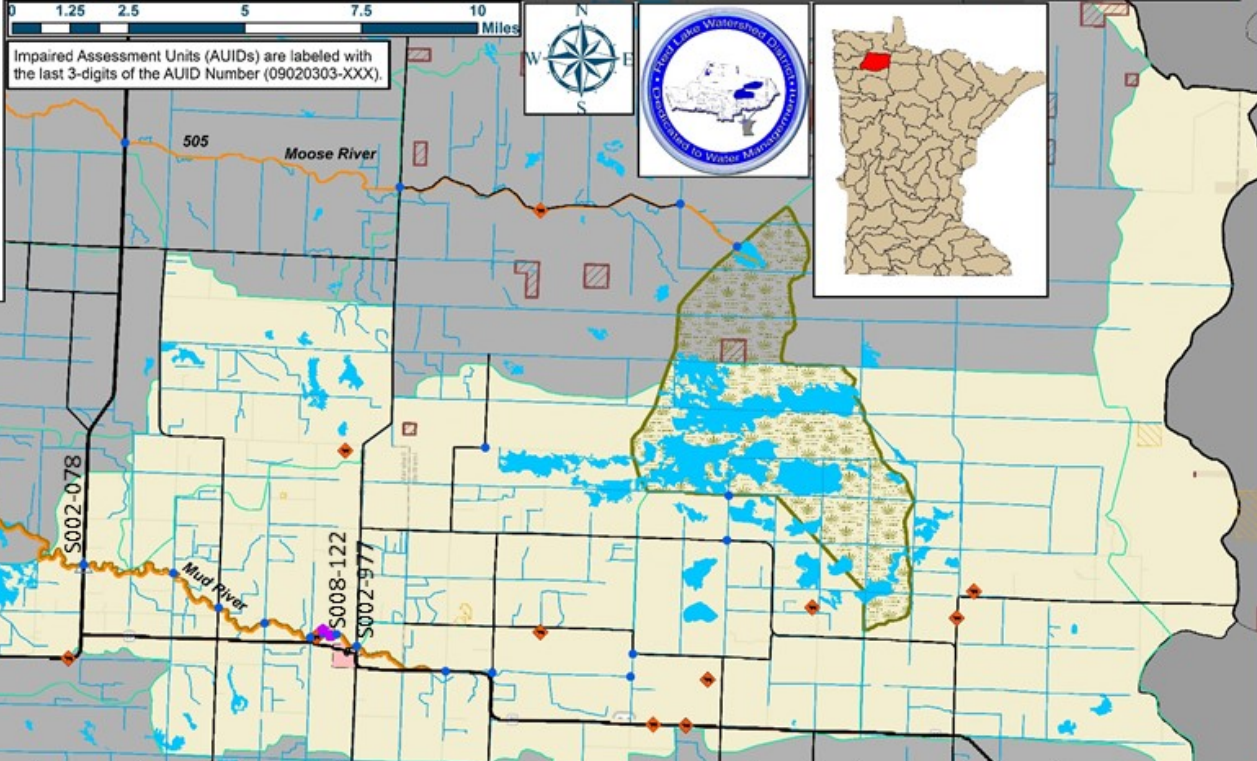
Current and historical water quality conditions (*E. coli*) in the Mud River were described. A section was written about the sources of *E. coli* bacteria in the Mud River watershed.

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Mud River Subwatershed 0902030403 Longitudinal, Site-Specific E. coli Assessment (2007-2016)

- Legend**
- Water Quality Stations**
- △ USGS
 - STREAM
 - ◆ WWTF DISCHARGE
 - ◆ Feedlots (MPCA, 2016)
 - State and US Highways
 - County State Aid Roads
- Assessed Streams**
- Unassessed
 - Meets Standards
 - Dissolved Oxygen
 - Dissolved Oxygen, E. coli
 - MNDNR Hydrologic Features
 - Red Lake Nation
 - Moose River Impoundment
 - USFWS Land
- Thief River Hydrologic Units**
- Other Thief River HUC12s
 - 0902030403 (Mud R. HUC10)



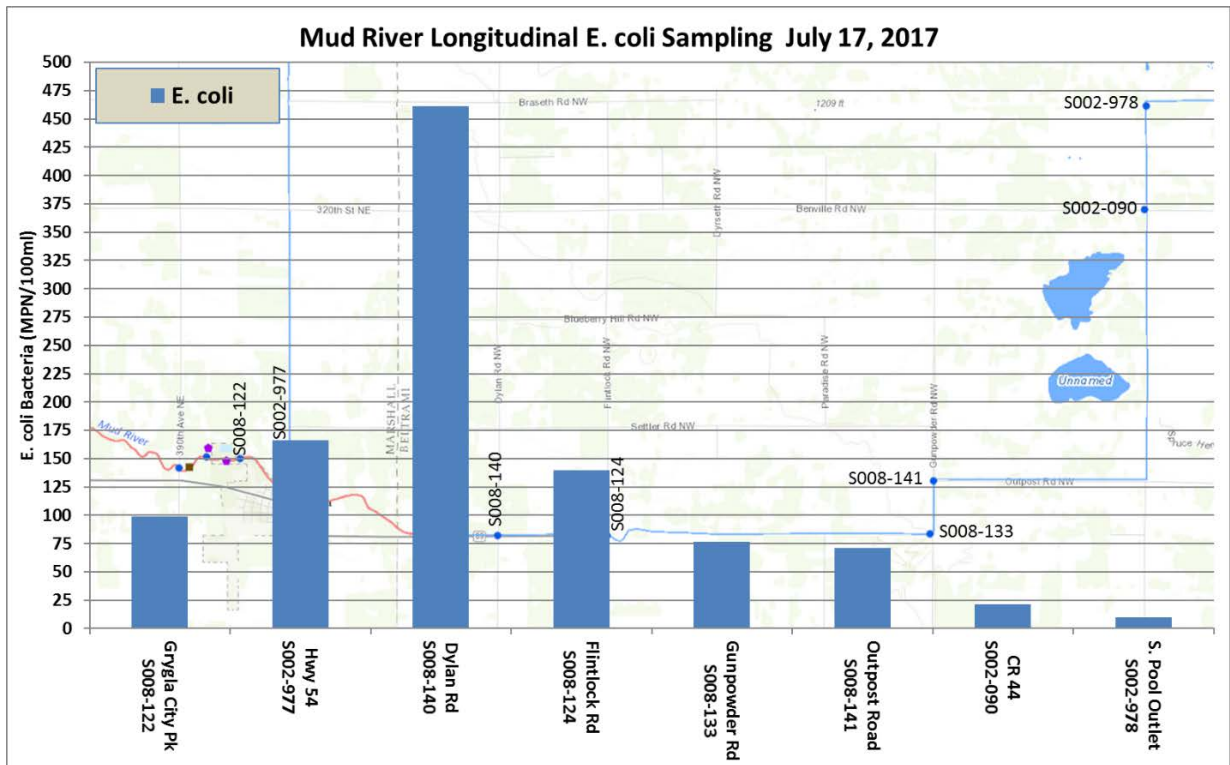
Site ID:	S002-078	S008-123	S008-139	S008-132	S004-212	S008-122	S002-977	S008-140	S008-124	S008-133	S008-141	S002-090	S002-978
AUD (09020305-XXX)	507	507	507	507	507	507	507	526	526	526	525	522	521
Street/Road:	Hwy 89	360th Ave NE	CSAH 53 (370th Ave)	380th Ave NE	CSAH 10	Grygla City Park	CSAH 54	Dylan Rd NW	Flintlock Rd NW	Gunpowder Rd NW	Outpost Rd NW	CSAH 44	Moose R. Imp. Outlet
May Geomean:	29.1	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF
June Geomean:	89.2	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF
July Geomean:	111.4	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF
August Geomean:	57.1	IF	IF	IF	IF	183.0	271.4	IF	IF	IF	IF	IF	IF
September Geomean:	36.1	IF	IF	IF	IF	141.8	421.5	IF	IF	IF	IF	IF	IF
Total # of May-September Days with Samples:	68	1	1	1	6	16	16	2	2	2	1	2	2

IF = <5 samples

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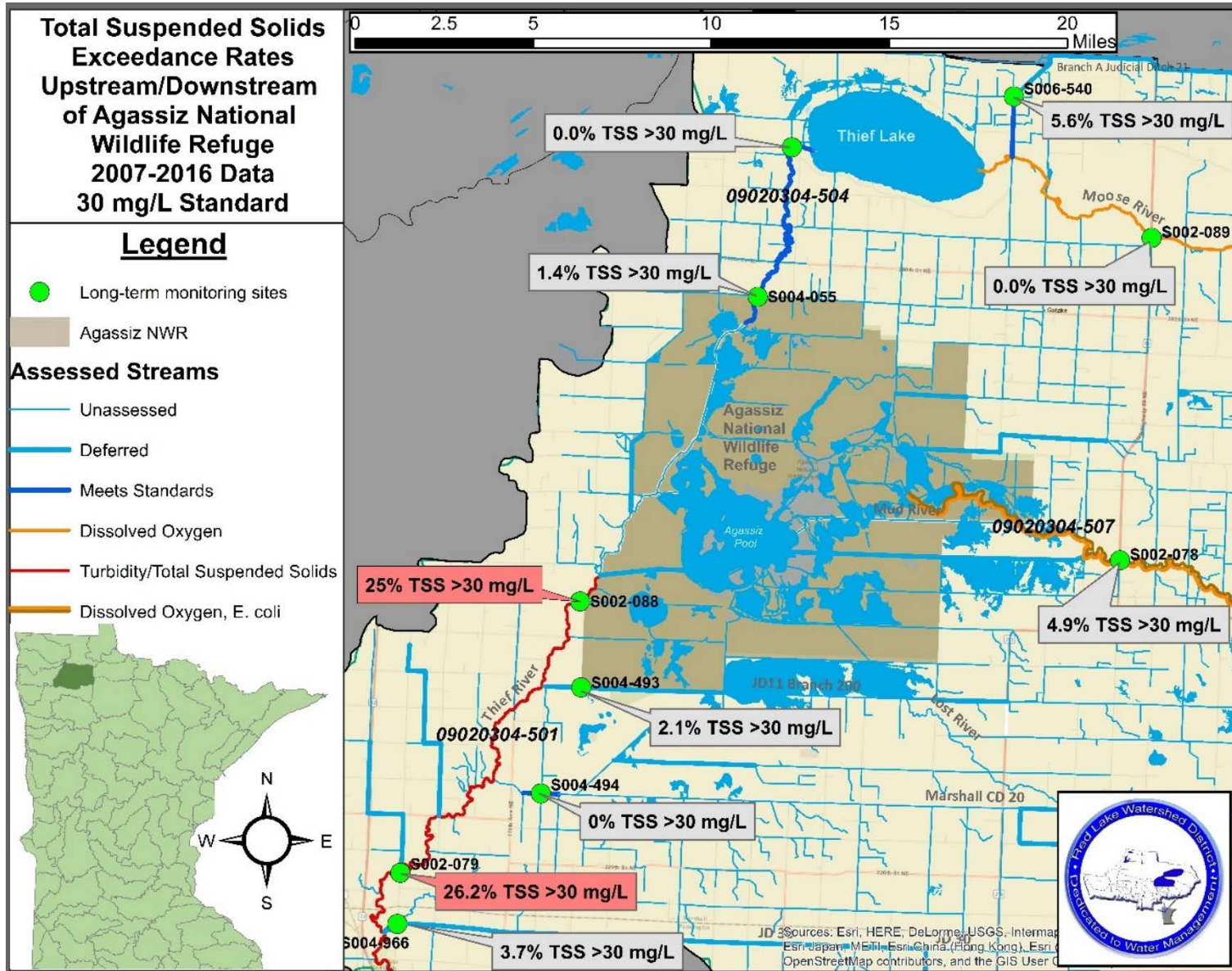
History of Mud River <i>E. coli</i> Monthly Geometric Means							
Monthly <i>E. coli</i> Geomean 2007-16 Data	Monthly <i>E. coli</i> Geomean 2006-15 Data	Monthly <i>E. coli</i> Geomean 2005-14 Data	Monthly <i>E. coli</i> Geomean 2005-13 Data	Monthly <i>E. coli</i> Geomean 2005-12 Data	Monthly <i>E. coli</i> Geomean 2005-11 Data	Monthly <i>E. coli</i> Geomean 2005-10 Data	Monthly <i>E. coli</i> Geomean 2005-09 Data
14.6	14.6	16.9	16.9	16.9	17.5	14.3	
29.1	27.1	27.7	27.7	25.4	24.0	29.2	29.2
86.0	86.6	91.7	91.6	91.6	100.9	86.5	82.9
115.39	115.37	116.4	125.6	128.7	167.8	102.8	102.8
101.5	87.1	78.3	78.3	82.8	109.9	101.7	105.2
67.0	64.9	42.6	42.6	40.6	40.6	38.8	38.8
93.8	86.7	101.3	101.3	126.2	179.0	239.9	394.7



A lot of time was spent on editing and improving the nonpoint sediment sources section of the WRAPS in response to original and new comments from USFWS staff. USFWS staff were given an opportunity to review a revised version of the nonpoint sediment sources section. More common ground has been found and some additional edits were made to the section. Responses were written for the new USFWS comments and points of agreement were noted. Information was provided in other cases where it was needed to improve descriptions of the assessment process, data collection, and federal law. The National Environmental Policy Act of 1969, Section 101, states that it is the responsibility of the Federal Government to use all practicable means to “attain the widest range of beneficial uses of the environment without degradation, risk to health or safety, or other undesirable and unintended consequences.” Management activities in Agassiz Pool by the USFWS have increased downstream degradation of water quality and increased health risks in Thief River Falls drinking water, both of which are unintended consequences of the excavation, flushing, and drawdown activities in Agassiz Pool.

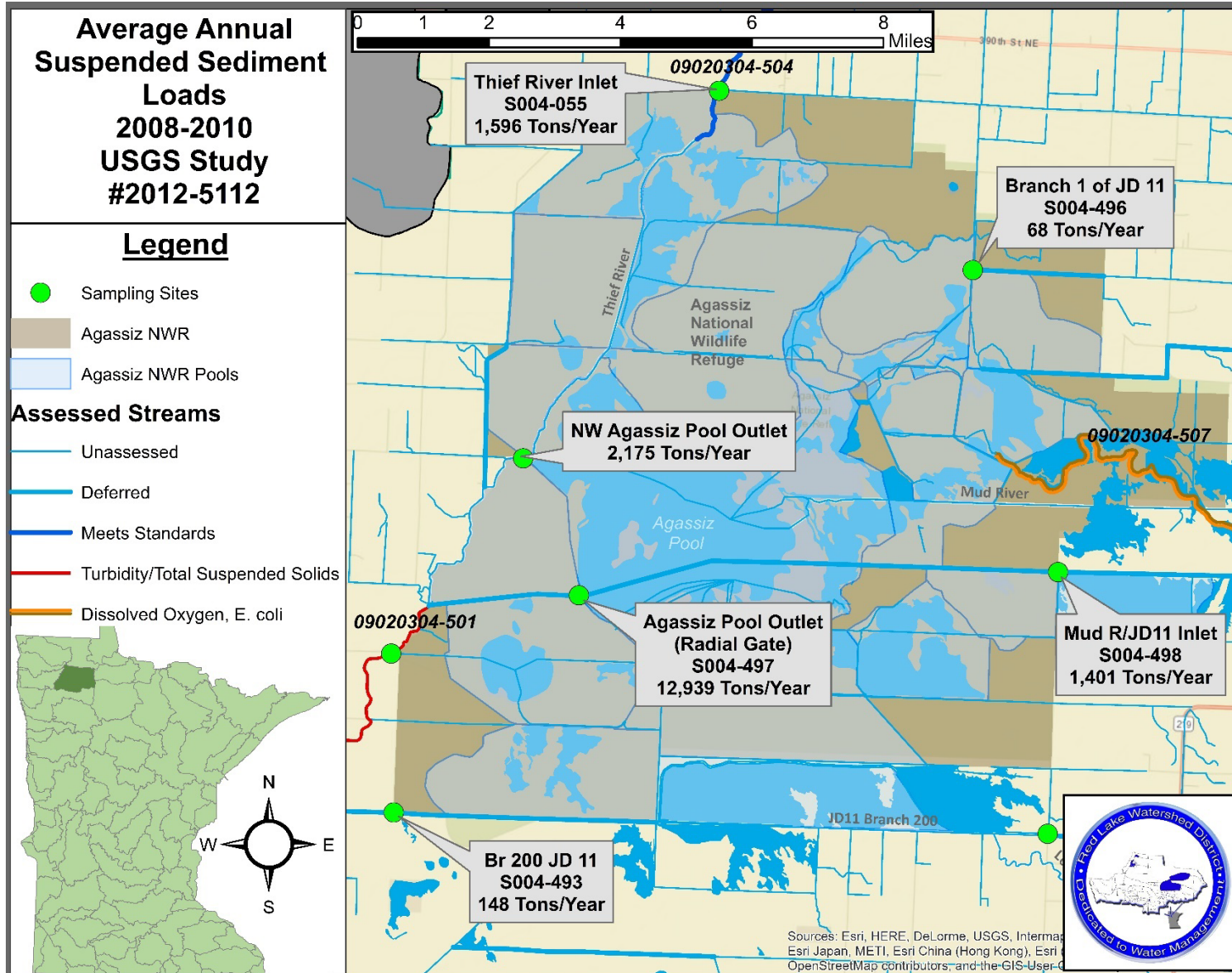
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Other Notes

- The MPCA has released the 2018 Draft List of Impaired Waters. The public comment period for the list began on November 27, 2017.
 - <https://www.pca.state.mn.us/water/minnesotas-impaired-waters-list>
- RLWD staff provided flow data to Minnesota Department of Natural Resources Division of Ecological and Water Resources floodplain staff. Data from the Red Lake River and Thief River watersheds will be used to refine their models.
- Water quality related notes from the November 9, 2017 RLWD Board of Managers meeting:
 - Construction is complete on the Polk County Ditch 63 (Burnham Creek tributary) Grade Stabilization Project, and it is ready to be seeded. Due to the inclement weather conditions and late season construction timeline, the contractor will try to mulch and disc-anchor the project area the best they can, with mulching and seeding occurring next spring.
 - BWSR has announced the hiring of Henry VanOffelen as the Red River Valley Clean Water Specialist. VanOffelen's first day of employment will be November 15, 2017. He will replace Brian Dwight who retired this summer.
 - Agassiz National Wildlife Refuge (NWR) staff reported that the District, in partnership with Agassiz National Wildlife Refuge, received a Conservation Partners Legacy Grant in the amount of \$268,075 for cattail spraying and repairs to six water control structures within Agassiz NWR. The District will receive \$6,000 for administration of the grant. Young stated that cattail spraying should take place this August. Young discussed the potential of bringing in a harvester to help reduce the amount of cattails within the NWR. The Board voted and approved acceptance of the grant.

November and December 2017 Meetings and Events

- **November 8, 2017** – Thief River One Watershed One Plan meeting.
- **November 14, 2017** – Red Lake River One Watershed One Plan meeting
- **November 20, 2017** – Thief River One Watershed One Plan planning group conference call
- **November 21, 2017** – Draft 2018 Impaired Waters List public meeting and teleconference.
 - <https://www.pca.state.mn.us/water/minnesotas-impaired-waters-list>
- **November 29, 2017** – Thief River One Watershed One Plan coordination meeting (phone conference)
- **December 11, 2017** – Pennington County Water Resources Advisory Committee
 - One Watershed One Plan Updates (Red Lake River and Thief River)
 - Funding for implementation of the Red Lake River 1W1P (\$677,551)
 - A prioritized workplan has been written for initial implementation of the Red Lake River 1W1P.
 - “Other waters” maps have been discussed.
 - The Thief River 1W1P project is on-schedule.

- Ashley Hitt is working on preparing the input data for the Thief River PTMApp, which includes manipulation of elevation data for the creation of accurate flow paths, lakes routing, and editing pour point locations.
- The county has passed a buffer ordinance
- The county has added ‘planned unit development’ rules to its shoreland ordinances.
- The SWCD has completed some SSTS projects (3 in 2017) and are looking for more projects because they have some grant funding available.
- City of Thief River Falls Stormwater Assessment: Houston Engineering has submitted a draft report for review. The SWCD and the City have reviewed the draft report and submitted comments. The report identified 12 urban best management practices (BMPs), estimated pollutant load reductions, and completed a cost/benefit analysis for each practice. Streambank stabilization projects within the city were also identified. Erosion problems near the Greenwood Street Bridge, “Wenzloff” property, and the Hartz Park walking bridge will be targeted for stabilization projects.
- CD96, 21, 16 Gully Control and Buffer Implementation Project: The SWCD is mainly focusing on the installation of side water inlets (SWIs). The ditch inventory project identified 81 locations that needed SWIs within these drainage systems. Landowners have not been cooperative, so the SWCD will work with the county (ditch authority) to get them installed.
- Ditch Outlet Analysis project: The SWCD is inspecting ditch outlets for erosion problems using drones. Northland Community and Technical College students/staff are conducting the drone flights. Survey-grade GPS will be used to convert drone-collected data into real elevations. Some outlets have been “flown” by the college. Wind has been a hindrance and need to be less than 15 mph. A total of 53 outlets in the county will be “flown.”
- The City of Thief River Falls has received a grant to move the drinking water intake to its original location in the Red Lake River, upstream of the confluence with the Thief River (across from the “Swenson House”).
- Next meeting: March 12, 2018
- **December 12, 2017** – Marshall County Water Resources Advisory Committee meeting
 - Marshall County has a draft buffer ordinance on their website. They made the ordinance as lenient as possible. People have every opportunity possible to work with the SWCD to get into compliance.
<http://www.co.marshall.mn.us/MC%20Buffer%20Ordinance.pdf>
 - Two units within Agassiz National Wildlife Refuge were grazed during the summer of 2017. It hasn’t been as effective for removing cattails as USFWS staff had hoped. They will try to intensify the grazing.
 - The bridge at the 310th Ave NE crossing of the Moose River is being replaced with box culverts.
 - Next meeting: April 18, 2018.
- **December 15, 2017** – Red River Basin Monitoring Advisory Committee meeting
- **December 18, 2017** – Minnesota Board of Water and Soil Resources 1W1P/WRAPS Focus Group meeting in Rogers, MN

- There was a lot of good discussion about 1W1P experiences (good and bad) and ways that the process can be improved at the meeting. Notes from the meeting and potential actions are available upon request.
- **December 20, 2017** – Polk County Water Resources Advisory Committee meeting
 - Buffer update: The SWCDs are anticipating busy spring.
 - Township nitrate testing: Private wells in townships along the beach ridge were targeted.
 - Aquifer testing update: Tests were completed in the fall of 2017, but the results aren't back yet. Well interference occurred in Badger township.
 - “We Are Water” Traveling Exhibit: A 1000 ft² exhibit will be displayed in Crookston from January 20, 2019 through March 4, 2019, likely at Kiehle Hall on the University of Minnesota, Crookston campus. The group that is organizing the event is looking for partners to get involved.
 - The West Polk SWCD knows of a home with a straight pipe to Gentilly Creek.
 - Nicole Bernd (West Polk SWCD) and Jillian Fejszes (Pheasants Forever Farm Bill Biologist) received a scholarship for soil health training and will be planning a local educational event.
 - The National Association of Conservation Districts (NACD) is hiring people to help with EQIP and conservation planning. There are plans to hire an assistant.
 - Rob Sip, the newly hired director of the Red River Watershed Management Board, is temporarily working out of Fertile.
 - East Polk SWCD staff have noticed a lot of dumping of waste cement along ditches and back roads. This is a hazardous material. The MPCA will look into the problem and sent out a reminder to contractors.
 - Next meeting: March 28, 2018, in Crookston.
- **December 20, 2017** – Thief River 1W1P conference call
- **December 29, 2017** – Thief River 1W1P conference call

Quote of the Month:

“Preconceived notions are the locks on the door to wisdom.”
- Merry Brown

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.

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.

“Like” the Red Lake Watershed District on [Facebook](https://www.facebook.com/redlakewatershed) to stay up-to-date on RLWD reports and activities.