

# RED LAKE WATERSHED DISTRICT

July 11, 2019

Agenda

9:00 a.m.

9:00 a.m.	Call to Order	Action
	Review and approve agenda	Action
	Requests to appear	Information
	June 24, 2019 Minutes	Action
	July 8, 2019 Special Board Minutes	Action
	Financial Report dated July 10, 2019	Action
	Investment Summary/Certificates of Deposit maturity	Info/Action
	RRWMB - Levy Office Location	Information
	General Fund Budget timeline	Information
	2019 Estimated Market Values	Information
	Microbial Source Tracking-Corey	Info./Action
9:15 a.m.	Agassiz NWR Cooperative Agreement for Lessard Grant	Info./Action
9:30 a.m.	Continuation Hearing for Thief River Falls Westside FDR Project, RLWD Project No. 178	Info./Action
	RLWD Ditch 16, Project No. 177 New damage discussion and realignment Contractor Extension	Info./Action
	Improvement to Polk County Ditch 39, RLWD Proj. 179	Information
	Brandt Impoundment, RLWD Proj. 60D-Gate	Information
	Permits: No. 19064-19069, 19072-19074, 19076, and 19077	Action

2019 MAWD Resolutions	Information
Administrators Update	Information
Legal Counsel Update Prevailing Wages	Information
Managers' updates	Information
Adjourn	Action

UPCOMING MEETINGS

July 16, 2019	RRWMB, Ada, 9:30 a.m.
July 25, 2019	RLWD Board Meeting, 9:00 a.m.
August 8, 2019	RLWD Board Meeting, 9:00 a.m.
August 22, 2019	RLWD Board Meeting, 9:00 a.m.

# DRAFT

RED LAKE WATERSHED DISTRICT  
Board of Manager's Minutes  
June 24, 2019

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

The Board reviewed the agenda. A motion was made by Torgerson, seconded by Tiedemann, and passed by unanimous vote that the Board approve the agenda. Motion carried.

The Board reviewed the June 13, 2019 minutes. Motion by Sorenson, seconded by Page, to approve the June 13, 2019 Board meeting minutes as presented. Motion carried.

The Board reviewed the Financial Report dated June 21, 2019. Motion by Tiedemann, seconded by Torgerson, to approve the Financial Report dated June 21, 2019 as presented. Motion carried.

Staff member Arlene Novak stated that HDR Engineering, Inc., is working on separating their invoices for the District's portion and City of Thief River Falls for the Thief River Falls Westside FDR Project, RLWD Project No. 178. Motion by Tiedemann, seconded by Page, to authorize the payment of said invoices, once they are separated for the Thief River Falls Westside FDR Project, RLWD Project No. 178. Motion carried.

District Manager, Rachel Klein, East Polk Soil and Water Conservation District, presented a proposal for cost share for five water and sediment basins sites in Brandvold Township. Klein stated that this area tends to wash out a road. Estimate project cost is \$73,176.00 with a request for 25% cost share funding from the RLWD's Erosion Control Funds. Klein stated that the SWCD will contribute 50% with the landowner paying 25% of the project costs. Following discussion, a motion was made by Sorenson, seconded by Tiedemann, and passed unanimously, to approve a cost share of 25% from the RLWD Erosion Control Funds for the installation of five water and sediment basins for the East Polk SWCD.

Staff member Arlene Novak reviewed the Capital Projects Budget revenue and expenditures. Administrator Jesme stated that the RRWMB will allow District's to reduce their Capital Projects levy, if the District can verify that they have 2.5 times the amount of their levy in their funding balance. Novak recommended that the District maintain two years of fund balance for expenses. Dalager discussed the RRWMB Strategic Planning session. Novak stated that the District was required to provide verification to the State of Minnesota for the Thief River Falls Westside Project, verifying that the District has sufficient funding for construction of the project. Torgerson asked about the potential of spending funds on the outlet of Pine Lake.

At 9:30 a.m., President Nelson recessed the regular Board meeting and reconvened the Continuation Hearing for the Thief River Falls Westside Flood Damage Reduction Project,

RLWD Project No. 178 hearing from June 13, 2019. Nelson stated that the hearing was continued to allow the District to meet with landowners regarding the land appraisal. Nelson stated due to the failure of the Appraiser to file the Appraisal Report; the Continuation Hearing will need to be continued again to July 11, 2019 at 9:30 a.m. Motion by Torgerson, seconded by Tiedemann, that the hearing be recessed and continued to the Board's regular meeting on July 11, 2019 at 9:30 a.m. at the Red Lake Watershed District office, 1000 Pennington Avenue South, Thief River Falls, MN 56701.

President Nelson reconvened the regularly scheduled Board meeting.

Engineer Tony Nordby, Houston Engineering, Inc., stated that the MnDNR Public Waters and Dam Safety permit was received for the Black River Impoundment, RLWD Project No. 176. Nordby stated that once the U.S. Army Corps of Engineers' Permit is received the District can submit a Step 3 submittal to the RRWMB.

Administrator Jesme discussed concerns with the Minnesota Department of Transportation (MnDOT) with the installation of culverts for the Ditch 16, RLWD Project No. 177, and the Thief River Falls Westside FDR Project, RLWD Project No. 178. Jesme stated that MnDOT requires a certified MnDOT Engineer to be present and inspect when the culvert is formed and installed, which could delay both projects.

Notice to Proceed with the construction of Ditch 16, RLWD Project No. 177, was submitted to the contractor, Burski Excavating, Inc. Discussion was held on issues with CenturyLink and the fiber option along Highway 220. A preconstruction meeting will be held June 25<sup>th</sup> with the contract and various utility companies. The Engineer is working with the contractor on development of the Storm Water Protection Plan (SWPP).

Motion by Tiedemann, seconded by Sorenson, and passed unanimously, to approve the Viewers Contract for the Improvement to Polk County Ditch 39, RLWD Project No. 179. Motion carried.

Discussion was held on the Reimbursement Schedule for the Board of Managers. President Nelson stated that the Minnesota Legislature increased Board of Manager's per diem from \$75 to \$125 per day, effective July 1, 2019. Nelson stated that the District currently uses an hourly rate of \$25 per hour, with a maximum of \$75 per day. Motion by Sorenson, seconded by Page, to increase the Board of Managers' per diem to a maximum of \$125 per day, effective July 1, 2019, with an hourly rate of \$40. Motion carried.

Staff member Loren Sanderson discussed non-permitted work in Red Lake County, where a landowner had previously installed a 36" culvert, when it should have been a 48" culvert. Sanderson indicated that he shot high water marks this spring, verifying that the water did back up due to the size of the culvert. The Board reviewed a letter drafted by Sanderson, to be presented to the landowner. Motion by Page, seconded by Torgerson, to authorize District staff to submit the letter to the landowner, stating that the landowner has until July 24, 2019, to rectify the situation or the District will replace the culvert and submit invoices to the landowner. Motion carried.

The Board reviewed the permits for approval. Motion by Sorenson, seconded by Torgerson, to approve the following permits within conditions stated on the permit: No. 19057, Minnesota Department of Transportation, Smiley Township, Pennington County; No. 19058, Polk County Highway Department, Johnson Township; No. 19060, Scott Balstad, Bray Township, Pennington County; No. 19061 and 19062, Dean Peterson, Keystone Township, Polk County; and, No. 19063, Dale M. Nelson, Rocksbury Township, Pennington County. Motion carried.

Staff member Loren Sanderson presented his letter of intention to retire in October 2019, exact date to be determined. Sanderson stated that he feels very fortunate to have been associated with the various projects he has worked on over the years, and the diversity of work duties. The Board thanked Sanderson for his 38 years of dedicated service to the District. Motion by Tiedemann, seconded by Page, to accept the retirement of staff member Loren Sanderson for October 2019, with regrets. Motion carried.

#### Administrator's Update:

- Jesme and Manager Ose attended the RRWMB on June 18, 2019, where the District presented a perspective on funding projects, should future State funding be hard to predict. There was also a Strategic Planning meeting after the regular meeting.
- Jesme attended the Red Lake River 1W1P Policy Committee meeting on June 19, 2019. Due to a lack of a quorum, the meeting could not be held. The meeting was rescheduled for July 10, 2019 at 9:30 a.m.
- The Thief River 1W1P Planning Committee is currently reviewing the draft plan, with comments due by June 28, 2019. The plan will be sent to the Policy Committee and Advisory Committee once all questions have been answered.
- Jesme intends to make most of the July 4<sup>th</sup> week off, with actual days yet to be determined.
- Included in the packet was the February 2019 Water Quality Report.
- Staff members Nick Olson and Christina Slowinski will attend Drone Training in St. Cloud on June 25, 2019.

Legal Counsel Sparby discussed the process of calling 811 for utility line notification.

The Board reviewed the land appraisals for the Thief River Falls Westside FDR Project, RLWD Project No. 178. President Nelson stated that the appraisals were received the prior afternoon, which did not allow for review by the District, or discussion with the landowners. Engineer Nate Dalager, HDR Engineering, Inc., reviewed the two alignment alternatives. The Board discussed negotiations with the landowners, dependent on the alignment that is chosen. It was the consensus of the Board to authorize the committee to work towards an agreement with each landowner, and report back to the Board.

Manager Tiedemann discussed a Governmental Round Table meeting he recently participated in. Tiedemann stated, that at the meeting he brought up the Prevailing Wage issue, when it relates to using State money. Prevailing wages are required for a public utility project with costs over

Red Lake Watershed District

June 24, 2019

Page 4 of 4

\$2,500 or where all or part of the project is paid for by State funds. The Board directed Legal Counsel Sparby to check into the matter and report back to the Board.

Manager Torgerson stated that he drove by the outlet of Judicial Ditch 5, RLWD Project No. 102, noting that there is barely any flow through the culvert. Administrator Jesme stated that District staff is working on having a beaver dam removed upstream of the outlet channel. Jesme also indicated that there are obstructions in the channel downstream of CSAH #23 which will have to be addressed to assure flows from east Four Legged Lake can drain properly.

Motion by Sorenson, seconded by Torgerson, with motion carried to recess to a scheduled meeting date and time on July 11, 2019 at 9:00 a.m. at the Red Lake Watershed District office with the continued public hearing starting at 9:30 am. Motion carried.

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Terry Sorenson, Secretary

# DRAFT

RED LAKE WATERSHED DISTRICT  
Special Meeting  
Board of Manager's Minutes  
July 8, 2019

President Dale M. Nelson called the Special Meeting to order at 9:00 a.m. at the Red Lake Watershed District Office, Thief River Falls, MN for the purpose of addressing the damages for the Thief River Falls Westside Flood Damage Reduction Project, RLWD Project No. 178.

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

Administrator Myron Jesme reviewed the Appraisal Reports submitted by Rodger K. Tinjum, ARA, for property located within the Thief River Falls Westside Flood Damage Reduction Project, RWLD Project No. 178. Jesme discussed the decision of the Board to use a multiplier of 1.2 based on the estimated market value.

Manager Nelson stated that landowner Kyle Mehrkens, requested that the current ditch on his property near the intersection of County Road 7 and Highway 32 be filled in when the new ditch is built.

Discussion was held on the alignment of the ditch system near property owned by Marland Johnson and Pete Carlson.

Manager Nelson discussed the request of landowner Pete Carlson, for the installation of two crossings on the east side of his property along County Road 16 (Veterans Highway).

Mark Borseth, City of Thief River Falls, stated that if the property were to be developed, there is potential for the city to cost share the installation of a crossing. Borseth will discuss the matter with the City Council and report back to the Board.

Managers Ose, Page, Sorenson, Dwight, Torgerson and Nelson and staff members Myron Jesme, Tammy Audette and Nick Olson toured the project area.

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

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Terry Sorenson, Secretary

**RED LAKE WATERSHED DISTRICT**  
**Financial Report for July 10, 2019**

<b>Ck#</b>	<b>Check Issued to:</b>	<b>Description</b>	<b>Amount</b>
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	4,200.12
online	MN Department of Revenue	Withholding taxes	774.25
online	Public Employees Retirement Assn.	PERA contributions	2,774.31
	EFTPS	Withholding for FICA and Medicare	42.08
37555	TD Ameritrade	Deferred Compensation	565.64
37556	HDR, Inc.	Engineering fees for TRWestside FDR (includes City TRF portic	126,442.68
37557	Nicholas Olson	Reimburse for per diem meals and gas	88.01
37558	Christina Slowinski	Reimburse for per diem meals	60.00
37559	American Federal Bank	Transfer funds	2,300,000.00
37560	City of Thief River Falls	Electricity, water, sewer, etc.	584.67
37561	Sjoberg's Cable TV	Internet expense	106.95
37562	A&S Mowing Service	* Mow ditch systems	13,099.50
37563	Ameripride Services Inc.	Office rug rental	39.93
37564	Tammy Audette	Clean office in June	360.00
37565	Brault Construction LLC	Load and haul trees off of Parnell Impoundment dike	2,450.00
37566	Centurylink	Telephone expense	275.19
37567	Central Door & Hardware Inc.	Door handle for walk-in garage door	170.00
37568	Les Cota	Mow Proj.171A (\$1100.00) and Proj. 171 (\$440)	1,540.00
37569	Delta Dental	Dental insurance	437.45
37570	Fleet Supply	Gate to replace damaged access gate at Brandt Impoundment	162.99
37571	Forestry Suppliers, Inc.	3 mini-safety light bars for vehicles	475.86
37572	HDR, Inc.	**see below for engineering fees explanation	114,528.11
37573	Brent Hemly	Remove 2 beaver from Moose River Impoundment	150.00
37574	Higher Ground	Remove beaver dam on Grand Marais, west of bridge	480.00
37575	Houston Engineering, Inc.	***See below for engineering fees breakout	15,210.00
37576	Myron Jesme	Per diem meals-MAWD tour	63.00
37577	Landman Publishing, LLC	Ad for Amendment to RL River WS Management Plan	27.60
37578	Eric and Karen Larson	Reimburse for petitioners bond cost for RLWD Ditch 16	2,726.00
37579	Les's Sanitation, Inc.	Garbage pickup and disposal of recycling	66.90
37580	Red River Watershed Mgmt. Board	First half of taxes collected	927,411.29
37581	Marco	****See below for explanation of services	1,616.43
37582	McFarlane Consulting, LLC	Phase 1 Survey for RLWD Ditch No. 16	3,496.50
37583	MCI	Long distance telephone expense	82.22
37584	MN Energy Resources Corp	Heating expense	1.83
37585	NCPERS	Life insurance premium	128.00
37586	Dale M. Nelson	Mileage	150.22
37587	Northdale Oil Inc.	Gas for four wheeler and 2011 Ford pickup	61.59
37588	Northwest Beverage, Inc.	H2O for office	83.75
37589	Northwestern Mutual Financial	Deferred Compensation	1,038.93
37590	Oil Boyz	Oil change on 2012 Equinox	47.49
37591	LeRoy Ose	Mileage	335.82
37592	Pitney Bowes Global Financial	Quarterly rental of postage meter	84.00
37593	Pribula Engineering, PLLC	Engineering fees for SWI's for RL1W1P grant (RLWD Ditch 16)	9,360.00
37594	Red Lake Electric Cooperative	Boring for Thief River Westside FDR project	12,634.00
37595	Richards Publishing Co.	Ad for Amendment to RL River WS Management Plan	18.88
37596	Rinke Noonan	****See below for explanation of legal services	2,271.00
37597	RMB Environmental Laboratories	Lab analysis of water quality samples	1,068.00
37598	Speedee Delivery	Shipment of water quality samples	7.75
37599	Sun Life Financial	Life insurance premium	144.64
37600	TD Ameritrade	Deferred Compensation	380.94
37601	Thibert Chevrolet & Buick co.	Remove grill to remove debris from radiator-2015 Chev.pickup	129.78
37602	Gene Tiedemann	Mileage	233.16
37603	Thief River Falls Times	Ad for Amendment to RL River WS Management Plan	70.58
online	Further	Medical FSA account	64.81
online	Blue Cross Blue Shield	Health insurance premium	4,703.00



direct	Al Page	Mileage and meal	181.36
direct	Terry Sorenson	Mileage	174.00
direct	Les Torgerson	Mileage and per diem meals	415.08
	<b>Payroll</b>		
	Check #11696-11709 & 7448		<u>15,138.98</u>
	<b>Total Checks</b>		<b>\$ 3,569,435.27</b>

**\* A & S Mowing**

Ditch 15, Proj. 175	10,393.50
Ditch 11, Proj. 166	2,152.50
Grand Marais Cut Channel, Proj. 60FF	<u>553.50</u>
<b>Total</b>	13,099.50

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

TRF Westside FDR-RLWD's portion	16,143.95
TRF Westside FDR-City TRF Barzen	91,616.66
TRF Westside FDR-City TRF Wastewater	<u>6,767.50</u>
<b>Total</b>	114,528.11

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

Black River Impoundment	8,640.50
TR!w!P PTMapp grant	<u>6,569.50</u>
<b>Total</b>	15,210.00

**\*\*\* Marco**

Monthly Managed IT Services	1,441.43
Microsoft Office 365 monthly	<u>175.00</u>
<b>Total</b>	2,347.27

**\*\*\*\* Rinke Noonan**

Proj. 01 Monthly retainer	200.00
Proj.178 TR Westside FDR	<u>2,071.00</u>
<b>Total</b>	2,271.00

**Banking**

**Northern State Bank**

Balance as of June 23, 2019	\$ 2,314,161.64
Total Checks Written	(3,569,435.27)
Receipt #414568 Polk County-current RE and MH, delinquent and special revenue	1,098,905.27
Receipt #414569 Northern State Bank-Monthly interest	1,207.42
Receipt #414576 Beltrami County-current and special revenue taxes	150,586.42
Receipt #414577 Pennington County-current and delinquent taxes	464,255.14
Receipt #414579 Transfer from American Federal Bank	<u>100,000.00</u>
Balance as of July 10, 2019	<u>\$ 459,680.62</u>

**Border State Bank**

Balance as of May 31, 2019	\$ 18,241.24
Receipt #414571 Border State Bank-Monthly interest	8.97
Balance as of June 30, 2019	<u>\$ 18,250.21</u>

**American Federal Bank-Fosston**

Balance as of June 23, 2019	\$ 2,586,411.16
Receipt #414566 Mahnomon County-70% of estimated tax settlement	1,913.37
Receipt #414567 Clearwater County-current, delinquent and special revenue	369,643.54
Receipt #414570 American Federal Bank-Monthly interest	3,184.28
Receipt #414573 Itasca County-current and delinquent taxes	1,302.71
Receipt #414574 Red Lake County-delinquent and special revenue	4,954.52
Receipt #414575 Unity Bank (CDARS)-Interest on CDs	2,480.85
Check #37559 Transfer to American Federal Bank	2,300,000.00
Receipt #414578 Mahnomon County-Remainder of estimated taxes	820.02
Receipt #414579 Transfer to Northern State Bank	<u>(100,000.00)</u>
Balance as of July 10, 2019	<u><u>\$ 5,170,710.45</u></u>

Receipt #414572 to record interest to 12 month American Federal CD

Red Lake Watershed District  
as of July 10, 2019

<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)	\$ 459,680.62	0.70%		\$ 459,680.62
10020 Border State Bank (Investor savings) Thief River Falls	\$ 18,250.21	0.60%		\$ 18,250.21
10030 American Federal Bank Fosston	\$ 5,170,710.45	1.59%		\$ 5,170,710.45
10740 CDARS-Signature Bank, New York monthly interest payment via check	\$ 200,000.00	2.05%	7/18/2019	\$ 200,000.00
10740 CDARS-Valley National Bank monthly interest payment via check	\$ 159,000.00	2.05%	7/18/2019	\$ 159,000.00
10740 CDARS-Signature Bank, New York monthly interest payment via check	\$ 41,000.00	2.05%	7/18/2019	\$ 41,000.00
10660 CDARS-Bank of America 6 mos. CD, int. paid monthly	\$ 44,500.00	2.45%	7/18/2019	\$ 44,500.00
10660 CDARS-St. Louis Bank 6 mos. CD, int. paid monthly	\$ 155,500.00	2.45%	7/18/2019	\$ 155,500.00
10870 American Federal-Fosston-12 month monthly interest compounded	\$ 203,864.85	2.10%	7/26/2019	\$ 203,864.85
10260 CDARS-SmartBank, Pigeon Forge, TN (int.pd quarterly via check)	\$ 200,000.00	2.05%	9/5/2019	\$ 202,050.46
10710 CDARS-BOKD, National Assn., Tulsa (int.pd monthly via check)	\$ 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
RiverWood Bank-Bemidji (Bagley) Interest paid at maturity	\$ 200,000.00	2.35%	11/8/2019	\$ 204,700.00
Edward Jones	\$ 200,000.00	2.75%	12/27/2019	\$ 200,000.00
	<u>\$ 7,852,506.13</u>			<u>\$ 7,874,376.59</u>



Old Republic Title Building  
400 South Second Avenue  
Suite 1200  
Minneapolis, MN 55401  
(612) 344-1400 tel

www.smithpartners.com

## MEMORANDUM

TO: Robert Sip, Executive Director  
Red River Watershed Management Board

FROM: Louis N. Smith

DATE: March 11, 2019

RE: RRWMB Levy Allocation or Reduction

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You have requested that we review a proposal to allow member watershed districts to reduce their local watershed district portion of the Red River Watershed Management Board (RRWMB) levy, while leaving the RRWMB portion at a higher (existing) level. The legal authority for the RRWMB levy is set forth in special law as follows:

Each watershed district . . . that is a member of the Red River watershed management board, . . . may levy an ad valorem tax not to exceed 0.04836 percent of the taxable market value of all property within the district. . . . The proceeds of one-half of this levy shall be credited to the district's construction fund and shall be used for the development, construction, and maintenance of projects and programs of benefit to the district. The proceeds of the remaining one-half of this levy shall be credited to the general fund of the Red River watershed management board and shall be used for funding the development, construction, and maintenance of projects and programs of benefit to the Red River basin. The Red River management board shall adopt criteria for member districts to follow in applying for funding from the board.

RRWMB Levy Allocation or Reduction  
March 11, 2019

Laws 1976, chapter 162, section 1, as amended by Laws 1982, chapter 474, section 1, Laws 1983, chapter 338, section 1, Laws 1989 First Special Session chapter 1, article 5, section 45, and Laws 1991, chapter 167, section 1, as amended by Laws 1998, chapter 398, section 29.

This law does not provide for a participating watershed district's levy to be allocated unevenly between the district and the RRWMB. It states that one-half of the proceeds *shall* be credited to the watershed district, and one-half to the RRWMB. It also states in simple, explicit language that the local district half of the levy proceeds *shall* be used for projects and programs of the district. Further, we note that the RRWMB's joint powers agreement provides that "the tax rate [is] to be equal and uniform over all the property of the participants. . . ." JPA Sec. IX. Finances, Subdivision 1.

Accordingly, allocating the RRWMB levy proceeds to something other than a 50-50 split between the local watershed district and RRWMB would not comply with the RRWMB special law, is unlikely to be accepted by county auditors, and would otherwise be subject to challenge. It would not be a difficult undertaking to draft an amendment to this special law to allow greater discretion in the share of allocation, and the detailed criteria for a local share reduction policy could be addressed in an amendment to the RRWMB's joint powers agreement.

We would be pleased to provide any further information you may require.

Finance Committee Recommendation  
July 14, 2017

**Criteria for Authorizing Member Watershed Districts  
to levy less than the Maximum 2 mils**

The reduction in levy would only apply to the 1 mil portion that is retained by the member Watershed District. It's important to have an equitable approach among the Watershed Districts and this criterion would be easy to implement.

Each member Watershed District has a different retention goal and as well as a different mil levy capacity. If using the storage goals for each Watershed District, it seems to provide a reasonable degree of equity among the Watershed Districts.

A project reserve related to the Watershed District's levy capacity and their storage obligation may result in a reasonably fair application. Whatever criteria is used should be a strong incentive for Watershed Districts to be aggressive regarding their obligation for implementing retention projects and progressing more than one project in the queue. A significant balance in the construction fund without any projects moving forward seems to imply that Watershed Districts and their respective Board of Managers may not be as committed to project implementation.

The goal of establishing this criterion is to ensure that projects continue to progress in various stages so that the maximum federal funds can be leveraged and funds won't have to be returned.

The criteria are as follows:

- 1) The member Watershed District has adopted the Red River Basin minimum 20% flow reduction goal and respective acre-feet of storage for their respective watershed and developed a general storage plan depicting retention storage by sub-watershed.
- 2) The requesting member Watershed District has a 5-year plan that includes an ongoing planning, design, acquisition, and construction schedule towards achieving the minimum 20% flow reduction goal. The 5-year plan would include projects in various stages of development from planning, design, acquisition and construction. The 5-year plan would be updated every other year to coincide with the major state bonding cycle which requires updating the 5-year plan by the end of each odd numbered year.
- 3) The requesting member Watershed District has an existing reserve that is equal to 2 times a 1 mil levy for their district.
- 4) The maximum reduction to the member Watershed District portion of the levy would be limited to 50%.
- 5) The member Watershed District would pass a resolution requesting the levy reduction and submit the resolution to the RRWMB for review at the May Board meeting with a decision at the July meeting.

## 2020 GENERAL FUND BUDGET HEARING TIMELINE

Hold Committee meeting by July 25, 2019

Set General Fund Budget and hearing date July 25 or August 8, 2019  
(Advertising to County newspapers- 2 weeks with last publication 2 days prior to hearing)

General Fund Budget hearing August 22, 2019  
(if set hearing date is July 25, 2019, hearing would be August 22, 2019 or  
If set hearing date is August 8, hearing would be September 12, 2019)

Notices of approved levies to County Auditor/Treasurers by September 15, 2019

## Memo

**Date:** June 21, 2019

**To:** Watershed District Administrators and Managers

**From:** Annie Felix-Gerth, Water Programs Coordinator

**Cc:** Emily Javens, MAWD

Rob Sip, RRWMB

BWSR: John Jaschke, Angie Becker Kudelka, Kevin Bigalke, Dave Weirens, Jeremy Olson,  
Regional Managers and Board Conservationists

### **RE: 2019 Estimated Market Values**

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Please find attached a table containing the recently released total estimate market values (EMV) for 2019 from the Minnesota Department of Revenue. The 2019 abstract of tax list was used as the basis for calculating the table.

In order to determine the annual maximum General Fund levy for a watershed district, the EMV listed in the table must be multiplied by 0.048 percent (0.00048) and then compared to the maximum General Fund levy limit of \$250,000. Use whichever value is less. See Minn. Stat. § 103D.905, Subd. 3 for reference.

Please contact me if you have any questions,

Annie Felix-Gerth

[Annie.Felix-gerth@state.mn.us](mailto:Annie.Felix-gerth@state.mn.us) | 651-238-0677

Attachment: Taxes Payable 2019 Estimated Market Values For Watershed Districts in Minnesota

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## Taxes Payable 2019 - Estimated Market Values for Watershed Districts in Minnesota

Watershed Name	Total EMV (\$)	Watershed Code
Bear Valley Watershed District	221,457,700	001
Belle Creek Watershed District	415,815,100	003
Bois De Sioux Watershed District	4,559,626,000	031
Browns Creek Watershed District	1,938,920,100	069
Buffalo Creek Watershed District	2,322,046,700	005
Buffalo-Red River Watershed District	8,958,175,200	007
Capitol Region Watershed District	22,568,389,100	070
Carnelian-Marine-St. Croix Watershed District	1,706,562,200	010
Cedar River Watershed District	2,907,759,700	002
Clearwater River Watershed District	1,633,188,700	009
Comfort Lake-Forest Lake Watershed District	2,068,377,700	071
Coon Creek Watershed District	16,123,925,700	013
Cormorant Lakes Watershed District	578,953,800	015
Crooked Creek Watershed District	379,939,000	016
Heron Lake Watershed District	2,502,098,000	024
High Island Watershed District	1,152,024,400	018
Joe River Watershed District	233,271,200	020
Kanaranzi-Little Rock Watershed District	1,703,696,000	021
Lac qui Parle-Yellow Bank Watershed District	3,041,400,900	022
Lower Minnesota River Watershed District	10,234,630,000	060
Middle Fork-Crow River Watershed District	1,816,448,800	074
Middle-Snake-Tamarac Rivers Watershed District	2,590,548,300	026
Minnehaha Creek Watershed District	54,724,737,200	062
Nine Mile Creek Watershed District	20,812,262,300	058
North Fork Crow River Watershed District	1,438,556,400	008
Okabena-Ocheda Watershed District	999,289,500	028
Pelican River Watershed District	2,199,426,700	030
Prior Lake-Spring Lake Watershed District	4,169,842,200	032
Ramsey-Washington Metropolitan Watershed District	16,827,737,100	034
Red Lake Watershed District	8,335,247,800	036
Rice Creek Watershed District	22,885,493,500	038
Riley-Purgatory-Bluff Creek Watershed District	14,968,773,000	064
Roseau River Watershed District	769,910,800	040
Sand Hill Watershed District	1,130,955,600	042
Sauk River Watershed District	8,693,633,700	043
Shell Rock River Watershed District	2,095,326,400	073
South Washington Watershed District	12,751,609,300	014
Stockton-Rollingstone-Minnesota City Watershed District	512,233,500	044
The Two Rivers Watershed District	1,564,576,100	050
Turtle Creek Watershed District	1,235,002,900	048
Upper Minnesota River Watershed District	1,391,288,200	052
Valley Branch Watershed District	4,778,103,200	054
Warroad Watershed District	374,141,600	056
Wild Rice Watershed District	3,644,267,200	066
Yellow Medicine River Watershed District	2,510,395,200	068

### Source Molecular Rates

<b>Biomarkers per Sample</b>	<b>Rate/Test</b>	<b>Rate/Sample</b>
4+ Tests	\$215	\$860+
3 Tests	\$265	\$795
2 Tests	\$315	\$630
1 Test	\$415	\$415

#### Rates include:

- Archival of DNA extracts for at least three months to allow request for additional tests,
- Additional tests will be charged at a rate of \$215 per test,
- Detection and quantification of bacterial DNA biomarkers,
- Licensing and royalty fees for US EPA patented tests,
- Validated qPCR MST tests offered by Source Molecular (list of tests available on page 4),
- Sterile sample containers, ice packs and coolers for packing, [Kit Order Form](#)
- Standard turnaround time of 5 to 10 business days.

#### Additional Services

##### Expedited Turnaround Time

- 3 business days: 2X prices above
- 1 business day: 5X prices above

##### Sample Filtration and Archival

\$30/sample fee when water samples are requested to be put on hold upon arrival. This fee is credited when samples are analyzed within 90 days.

##### Extended Archival

Samples can be stored for \$20 per sample per additional 6 months.

##### Project Analytics

The Host Fecal Score is an analysis tool incorporating all PCR data from water sample tests. Use cases include measuring BMP effectiveness, site prioritization, CSO consent decree compliance and QMRA site eligibility. Host Fecal Score includes project plan design, data analysis and presentation, requires a minimum number of samples, and may affect discount level.



4985 SW 74th Court, Miami, FL 33155 USA  
Tel: (1) 786-220-0379, Fax: (1) 786-513-2733, Email: [info@sourcemolecular.com](mailto:info@sourcemolecular.com)

**PAYMENT TERMS.**

These prices are contingent on paying for the services rendered on receipt of our invoice. Should you require longer payment terms, we would be happy to quote you a different payment structure that considers your requirement.

**PRICING**

Source Molecular reserves the right, at any time hereafter, to reduce or eliminate pricing discounts, and add additional fees as applicable, as a result of, and to offset, any legal costs associated with review of client's contract forms and negotiations.

**DISCOUNT ELIGIBILITY.**

Projects with more than 15 samples often qualify for price reductions of 15%-35% from the prices above. A commitment to the proposed project size is required at the start of project to apply discounts.

<b>Commitment</b>	<b>Discount</b>
\$10,000 to \$19,999.99	15%
\$20,000 to \$29,999.99	20%
\$30,000 to \$39,999.99	25%
\$40,000 to \$49,999.99	30%
\$50,000 +	35%





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## TEST LIMITATIONS.

The Services are comprised of screenings for detectable levels of specific DNA fragments in samples furnished by Client. Samples containing detectable levels indicate the presence of the particular bacterial/viral/parasitic strain associated with the specific DNA being tested. SMC uses screening methods and equipment that the scientific community considers to be reliable and effective. In performing Services, SMC adheres to a rigorous quality control system that includes screening for false negatives and positives. However, SMC's tests are not infallible and numerous factors beyond SMC's control may affect the accuracy of testing, including, but not limited to: (a) poor sample collection by Client; (b) improper handling and transportation of samples prior to their arrival at SMC's facility; (c) the idiosyncratic presence and absence of the bacterial/viral/parasitic strain being tested for from the gut of a particular animal; and (d) the idiosyncratic presence or absence of the particular DNA fragment being tested for from the genome of a particular bacterial/viral/parasitic colony. Due to such factors, SMC neither represents nor warrants that its tests will conclusively establish the presence or absence of bacterial/viral/parasitic contamination in a given water supply. **Client accepts the limitations discussed herein and affirms its understanding that the most reliable way to accurately test for contamination is for Client to increase its sample size and screen for a greater variety of DNA fragments.**

## Reporting Format.

Results are reported in a pdf file sent via email. Results can be reported in Presence/Absence or Quantification formats. Examples of the COC form and standard report formats are below. If you would like to discuss alterations to the report formats please call 786-220-0379.

[Chain of Custody form http://sourcemolecular.com/pdfs/custody.PDF](http://sourcemolecular.com/pdfs/custody.PDF)

Example Quantification Report <http://sourcemolecular.com/pdfs/humanquant.pdf>



<b>qPCR</b>	<b>Digital PCR</b>
<b>Human</b>	<b>Pathogens</b>
Human Bacteroidetes ID: Dorei ( <i>Default</i> )	Salmonella ID dPCR <sup>‡</sup>
Human Bacteroidetes ID: EPA	Enterovirus ID dPCR <sup>‡</sup>
Human Bacteroidetes ID: Steri	E.coli O157 ID - ( <i>qPCR</i> ) <sup>‡ **</sup>
<b>Cow</b>	<b>Human</b>
Cow Bacteroidetes ID: EPA 1 ( <i>Default</i> )	Human Bacteroidetes ID: Dorei dPCR
Cow Bacteroidetes ID: EPA 2	Human Bacteroidetes ID: EPA dPCR
<b>Pig</b>	<b>Special Request Analysis*</b>
Pig Bacteroidetes ID	Human Bacteroidetes ID: Theta
<b>Bird</b>	Dog Fecal ID: EPA
Bird Fecal ID	Campylobacter ID dPCR <sup>‡</sup>
<b>Gull</b>	Adenovirus ID dPCR <sup>‡</sup>
Gull Fecal ID	Norovirus ID: G1 dPCR <sup>‡</sup>
<b>Goose</b>	Norovirus ID: G2 dPCR <sup>‡</sup>
Goose Bacteroidetes ID: Target 1 ( <i>Default</i> )	Rotavirus ID dPCR <sup>‡</sup>
Goose Bacteroidetes ID: Target 2	*Contact lab prior to requesting. Standard terms do not apply. (786-220-0379)
<b>Chicken</b>	
Chicken Bacteroidetes ID	** The E. coli O157 ID requires 2 tests for a result and is charged as 2 tests.
<b>Poultry Litter</b>	‡ Discounts not applied to these pathogen assays.
Poultry Litter ID	
<b>Dog</b>	
Dog Bacteroidetes ID: Target 1 ( <i>Default</i> )	
Dog Bacteroidetes ID: Target 2	
<b>Elk</b>	
Elk Bacteroidetes ID (Not Quantifiable)	
<b>Ruminant</b>	
Ruminant Fecal ID: Target 1 ( <i>Default</i> )	
Ruminant Fecal ID: Target 2	
<b>Horse</b>	
Horse Bacteroidetes ID	
<b>Beaver</b>	
Beaver Fecal ID	
<b>General</b>	
General Bacteroidetes ID	
General Enterococcus ID	

## Tammy Audette

---

**From:** Myron Jesme  
**Sent:** Friday, June 28, 2019 11:25 AM  
**To:** Tammy Audette  
**Subject:** FW: RED LAKE DRAIN 16

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**From:** Nick Biermaier <Nick@burski.net>  
**Sent:** Friday, June 28, 2019 8:22 AM  
**To:** Myron Jesme <Myron.Jesme@redlakewatershed.org>; Nick Pribula <npribula@gmail.com>; Jerry Pribula <jpribula@wiktel.com>  
**Subject:** RED LAKE DRAIN 16

Myron, per our conversation yesterday Burski excavating would like to request project start date for red lake WSD drain 16. Be pushed back to august as well as finish date be pushed. Please update me when the board and Pribulas has decided the dates. thanks

*Thanks,*

*Nick Biermaier*

*Project Estimator*

(o)320.393.4160 (Cell) 320.250.2773





Permit # 19-064

Status Report: **Approved**

**Applicant Information**

Name	Organization	Address	Email	Phone Number(s)
Mike Drangstveit		22919 300th Avenue NE Goodridge, MN 56725		tel: mobile: 218-686-3325 fax:

**General Information**

(1) The proposed project is a:

**Culvert Installation / Removal / Modification**

(2) Legal Description

(3) County: **Marshall Township: Moylan Range: 40 Section: 29 1/4: SW1/4**

(4) Describe in detail the work to be performed. **Replace existing field entrance. Request the RLWD to size the new culvert.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Existing culvert is too short in length, and in need of replacement.**

**Status**

Status	Notes	Date
Approved	None	July 8, 2019
Received	None	June 21, 2019

**Conditions**

**Red Lake Watershed District Approval to install 60" diameter culvert as per approval of Marshall County Ditch Authority; proposed work is within Marshall County Ditch 20 Branch C Right-of-Way. -Approve. N.J.O. 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.



**Applicant Information**

Name	Organization	Address	Email	Phone Number(s)
Earl Pederson		3077 County Highway 42 Bejou, MN 56516		tel: mobile: 218-790-4106 fax:

**General Information**

(1) The proposed project is a:

**Tiling**

(2) Legal Description

(3) County: **Red Lake** Township: **Emardville** Range: **42** Section: **24 1/4: NW1/4**

(4) Describe in detail the work to be performed. **Install pattern tile with gravity outlet.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Improved drainage.**

**Status**

Status	Notes	Date
Approved	None	July 11, 2019
Received	None	June 24, 2019

**Conditions**

**P.A. #19065 The Red Lake Watershed District (RLWD) approves the pattern tile project with a 'gravity' outlet. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval, and must meet their specs/conditions. It appears that some of the work may be within Branch #19 of Red Lake County Ditch #57. Applicant shall contact Red Lake County Ditch Authority, obtain their approval and meet their specs/conditions. Contact person at Red Lake Co. Ditch Authority is Kurt Casavan at 218-253-4121 Applicant must also contact Enbridge Energy and inform them of the proposed project. Existing pipelines are near the southwest part of the tile project. Directly downstream of the tile and/or pump station(s) outlets, applicant shall ensure that adequate grade and drainage is provided. ■ Note: Please be aware of, and review the 'bullet points' on the bottom half of the application. 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.





Permit # 19-066

Status Report: **Approved**

**Applicant Information**

Name	Organization	Address	Email	Phone Number(s)
Earl Pederson		3077 County Highway 42 Bejou, MN 56516		tel: mobile: 218-790-4106 fax:

**General Information**

(1) The proposed project is a:

**Surface Drainage (New Ditch or Improvement)**

(2) Legal Description

(3) County: **Red Lake** Township: **Emardville** Range: **42** Section: **24 1/4: NW1/4**

(4) Describe in detail the work to be performed. **Clean silted areas out of ditch using a laser set-up.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Road ditch is silted in and would like to dump tile water into.**

**Status**

Status	Notes	Date
Approved	None	July 11, 2019
Received	None	June 24, 2019

**Conditions**

**P.A. #19066 Red Lake Watershed District (RLWD) approval to clean accumulated silt from ditch, if necessary, as determined by Red Lake County Ditch Authority; proposed work is in both County Ditch #57 Main Branch and also Branch #19 of County Ditch #57 Right-of-Way. Applicant shall contact Red Lake County Ditch Authority, obtain their approval and meet their specs/conditions. Contact person at Red Lake Co. Ditch Authority is Kurt Casavan at 218-253-4121 For proposed work on lands not owned by applicant, For 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.



**Applicant Information**

Name	Organization	Address	Email	Phone Number(s)
Todd & John Sorenson	JTS Farms	34263 280th Street Fisher, MN 56723		tel:701-741-4282 mobile: fax:

**General Information**

(1) The proposed project is a:

**Culvert Installation / Removal / Modification**

(2) Legal Description

(3) County: Polk Township: Fisher Range: 48 Section: 36 1/4: NW1/4, SW1/4

(4) Describe in detail the work to be performed. **Site 1: Extend culvert. Site 2: Remove and clean out existing culvert.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Safety, culvert is too short for larger farm equipment. Clean culvert to improve drainage.**

**Status**

Status	Notes	Date
Approved	None	July 8, 2019
Received	None	June 24, 2019

**Conditions**

**Site 1 – Red Lake Watershed District (RLWD) approval to replace a 15” diameter field entrance culvert with an 18” diameter culvert as per approval of Polk County Highway Department; proposed work is within County Road 216 Right-of-Way. Site 2- Red Lake Watershed District (RLWD) approval to install an 18” diameter culvert where there is a dry crossing currently, as per approval of Fisher Township; proposed work is within Township Road Right-of-Way. 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.



Permit # 19-068

Status Report: **Approved**

### Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Jay Giroto	PARJIM Farmland, GP	18 Crescent Ky Bellevue, WA 98006		tel:425-301-0728 mobile: fax:

### General Information

(1) The proposed project is a:

#### Tiling

(2) Legal Description

(3) County: **Red Lake** Township: **Poplar River** Range: **42** Section: **8 1/4: SW1/4**

(4) Describe in detail the work to be performed. **Install pattern tile with gravity outlet.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Improved drainage.**

### Status

Status	Notes	Date
Approved	None	July 11, 2019
Received	None	June 26, 2019

### Conditions

**P.A. #19068 The Red Lake Watershed District (RLWD) approves the pattern tile project with both a 'gravity' outlet If any work is within County or Township road Right-of-Way, applicant shall contact the appropriate road authority for their approval, and must meet their specs/conditions. It appears that some of the proposed work at the gravity outlet, is near the Poplar River. We recommend that the applicant contact the MN Dept. of Natural Resources (MnDNR) area hydrologist concerning their requirements, if any. Contact person at the Thief River Falls MnDNR office is hydrologist Stephanie Klamm at 218-681-0947 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.



Permit # 19-069

Status Report: **Approved**

**Applicant Information**

Name	Organization	Address	Email	Phone Number(s)
Jay Giratto	FSMN Agri Partners	18 Crescent Key Bellevue, WA 98006		tel: mobile: fax:

**General Information**

(1) The proposed project is a:

**Tiling**

(2) Legal Description

(3) County: **Pennington** Township: **Cloverleaf** Range: **41** Section: **27 1/4: S1/2**

(4) Describe in detail the work to be performed. **Install pattern tile with lift station/pump.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Improved drainage.**

**Status**

Status	Notes	Date
Approved	None	July 11, 2019
Received	None	June 26, 2019

**Conditions**

**P.A. #19069 The Red Lake Watershed District (RLWD) approves the pattern tile project and lift station. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval, and must meet their specs/conditions. Directly downstream of the tile and/or pump station(s) outlets, applicant shall ensure that adequate grade and drainage is provided. ■ Note: Please be aware of, and review the 'bullet points' on the bottom half of the application. 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.



Permit # 19-072

Status Report: **Approved**

**Applicant Information**

Name	Organization	Address	Email	Phone Number(s)
Ted Luckow		18748 310th Avenue SW Fisher, MN 56723		tel: mobile: 218-289-3542 fax:

**General Information**

(1) The proposed project is a:

**Culvert Installation / Removal / Modification**

(2) Legal Description

(3) County: **Polk** Township: **Fanny** Range: **47** Section: **17 1/4: NE1/4**

(4) Describe in detail the work to be performed. **Replacing existing pipe with a longer pipe. Request the District to check proper pipe size.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **The culvert is deteriorating and would like to replace with longer pipe for safety reasons.**

**Status**

Status	Notes	Date
Approved	undefined	July 8, 2019
Received	None	June 27, 2019

**Conditions**

**Red Lake Watershed District (RLWD) approval to install a 60" diameter culvert as per approval of Polk County Ditch Authority; proposed work is within Polk County Ditch 25 Right-of-Way. 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.



Permit # 19-073

Status Report: **Approved**

### Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Ted Luckow		18748 310th Avenue SW Fisher, MN 56723		tel: mobile: 218-289-3542 fax:

### General Information

(1) The proposed project is a:

**Culvert Installation / Removal / Modification**

(2) Legal Description

(3) County: **Polk** Township: **Fanny** Range: **47** Section: **17 1/4: SW1/4**

(4) Describe in detail the work to be performed. **Replace existing culvert with a larger diameter pipe. This pipe is the only pipe that drains this quarter section.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Existing pipe is deteriorating and is slow to drain.**

### Status

Status	Notes	Date
Approved	None	July 8, 2019
Received	None	June 27, 2019

### Conditions

**Red Lake Watershed District (RLWD) approval to install a 24" diameter culvert as per approval of Fanny Township; proposed work is within township road Right-of-Way. 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.



Permit # **19-074**

Status Report: **Approved**

### Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Jay Giroto	Adirondack Farmland Holdings GR	18 Crescent Key Bellevue , WA 98006		tel:425-301-0728 mobile: fax:

### General Information

(1) The proposed project is a:

#### Tiling

(2) Legal Description

(3) County: **Marshall** Township: **Moylan** Range: **40** Section: **28 1/4: NW1/4**

(4) Describe in detail the work to be performed. **Install pattern tile with gravity outlet**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Improved drainage.**

### Status

Status	Notes	Date
Approved	None	July 11, 2019
Received	None	June 26, 2019

### Conditions

**P.A. #19074 The Red Lake Watershed District (RLWD) approves the pattern tile project with a 'gravity' outlet. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval, and must meet their specs/conditions. Directly downstream of the tile and/or pump station(s) outlets, applicant shall ensure that adequate grade and drainage is provided. ■ Note: Please be aware of, and review the 'bullet points' on the bottom half of the application. 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.



Permit # 19-076

Status Report: **Approved**

**Applicant Information**

Name	Organization	Address	Email	Phone Number(s)
Brady Lee		20711 310th Street SE Erskine, MN 56535		tel: mobile: 218-289-5587 fax:

**General Information**

(1) The proposed project is a:

**Tiling**

(2) Legal Description

(3) County: **Polk** Township: **Badger** Range: **42** Section: **8 1/4**:

(4) Describe in detail the work to be performed. **Install pattern tile with lift station/pump for outlet.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Improved drainage.**

**Status**

Status	Notes	Date
Approved	None	July 11, 2019
Received	None	July 5, 2019

**Conditions**

**P.A. #19076 The Red Lake Watershed District (RLWD) approves the pattern tile project and lift station. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval, and must meet their specs/conditions. Directly downstream of the tile and/or pump station(s) outlets, applicant shall ensure that adequate grade and drainage is provided. ■ Note: Please be aware of, and review the 'bullet points' on the bottom half of the application. 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.





Permit # 19-077

Status Report: **Approved**

**Applicant Information**

Name	Organization	Address	Email	Phone Number(s)
Elliott Solheim	Solheim Farms, Inc.	27790 230th Avenue SW Crookston, MN 56716		tel: mobile: 218-289-0988 fax:

**General Information**

(1) The proposed project is a:

**Culvert Installation / Removal / Modification**

(2) Legal Description

(3) County: **Polk** Township: **Fairfax** Range: **46** Section: **9 1/4: NW1/4**

(4) Describe in detail the work to be performed. **Bore 36" diameter pipe under BNSF Railroad**

(5) Why is this work necessary? Explain water related issue/problem being solved. **To obtain adequate grade for ag-land drainage.**

**Status**

Status	Notes	Date
Approved	None	July 10, 2019
Received	None	July 8, 2019

**Conditions**

**P.A. #19077 Red Lake Watershed District (RLWD) approval to 'bore' a 36 in. diameter pipe under BNSF rail line, as per approval of BNSF Railroad specs/conditions. Flowline elevation of the proposed pipe will be set by the Red Lake Watershed District. 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.

## Memo

DATE: July 1, 2019  
TO: MAWD Members  
FROM: Sherry Davis White, Resolutions Committee Chair  
**RE: 2019 Request for Resolutions**

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It is that time of year for MAWD members to submit their policy recommendations through our resolutions process. Here are the next steps and timeline:

<b>July / August</b>	Districts discuss and approve resolutions at their local board meetings
<b>September 1</b>	Deadline to submit resolutions and background information documents to the MAWD office at <a href="mailto:emily@mnwatershed.org">emily@mnwatershed.org</a>
<b>Mid-October</b>	Resolutions Committee will review resolutions, garner further information when necessary, discuss and make recommendations on them to the membership
<b>November</b>	Resolutions (along with committee feedback) will be emailed to each district by the end of October. Districts should discuss the resolutions at their November meetings and decide who will be voting on their behalf at the annual meeting.
<b>Dec 5 – Dec 6</b>	Discussion and voting to take place at annual meeting
<b>December / January</b>	Legislative Committee will meet to formulate a recommendation to the MAWD Board of Directors for the 2019 legislative platform based on existing and new resolutions
<b>January</b>	MAWD Board of Directors will finalize the 2019 legislative platform

Resolutions passed by the membership at the annual meeting will remain MAWD policy for five years upon which time they will sunset.

See the enclosed lists for resolutions that are active and those that have been archived.

Tips and tricks for writing resolutions and getting them passed can be found on our website at [www.mnwatershed.org/s/July17\\_Resolutions101.pdf](http://www.mnwatershed.org/s/July17_Resolutions101.pdf)

Please feel free to contact me or our Executive Director Emily Javens if you have any questions at [emily@mnwatershed.org](mailto:emily@mnwatershed.org) or (651) 440-9407.

**THANK YOU FOR YOUR EFFORTS IN OUR POLICY DEVELOPMENT!**

# Background Information

## 2019 MAWD Resolution

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Proposing District: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

Resolution Title: \_\_\_\_\_

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Background that led to the submission of this resolution:

Ideas for how this issue could be solved:

Anticipated support or opposition from other governmental units?

This issue is of importance to (Check one)

The entire state \_\_\_\_\_

Only our region \_\_\_\_\_

Only our district \_\_\_\_\_

# Active MAWD Resolutions

July 1, 2019



## FUNDING ISSUES

### **2018-02 Increase or Remove the \$250k General Fund Tax Levy Limit**

MAWD supports legislation to increase or remove the \$250,000 general fund ad valorem tax levy limit set in MN statute 103D.905 subd. 3. If the limit is raised to a new dollar amount, MAWD supports an inflationary adjustment be added to statute.

### **2017-05 Increase the General Fund Levy Cap for the Middle Fork Crow River Watershed District**

MAWD supports the efforts of Middle Fork Crow River Watershed District to draft and advance special legislation affecting a change in its general fund levy cap.

### **2017-06 Provide Stable Funding for the Flood Damage Reduction (FDR) Program**

MAWD support requesting the MN Legislature to provide stable funding for the DNR FDR program. A suggested sustainable level of funding is \$25 million per year for the next 10 years.

### **2016-03 Tax Law Treatment of Conservation Easements**

MAWD pursue a legislative initiative to define “riparian buffer” for purposes of conservation easements in state tax code and to establish an administrative procedure whereby a watershed organization would certify, for purposes of section 273.117, a conservation easement or restriction as meeting the water quantity and quality purposes cited in the tax law and therefore be eligible for a reduction in estimated market value.

### **2015-02 Road Raises for Cities with Levees**

MAWD supports the State of Minnesota providing financial support through the MN DNR Flood Damage Reduction Program to cost share with local, state, and federal road authorities to provide road raises as an additional feature of flood control levee projects.

## PERMITTING ISSUES

### **2018-08 Reinforce Existing Rights to Maintain/Repair 103E Drainage Systems**

MAWD supports legislation modeled after House File 2687 and Senate File 2419 of the ninetieth legislature (2017-2018) reinforcing that the DNR cannot restrict existing rights to maintain and repair 103E public drainage systems.

### **2018-04 Require Watershed District Permits for the DNR**

MAWD supports an amendment to the MN Statute § 103D.315, subd. 5, to include the MN Department of Natural Resources as a state agency required to get permits from watershed districts when applicable.

### **2015-01 Encourage DNR to Permit Storing Water on DNR Land**

MAWD should appoint a committee to in turn propose meeting with the DNR to discuss the potential for temporarily storing water on existing wetlands controlled by the DNR in the times of major flood events.

### **2015-05 Improvements in Process with Permitting Authorities for Water Quality Improvement Projects**

MAWD call on all permitting authorities:

1. To identify all regulatory requirements and applicable standards that have been developed, formalized, and codified into applicable laws, statutes, and rules that apply to proposed water quality improvement projects within 30 days of receiving a permit application.
2. To coordinate with permit applicants on proposed water quality improvement projects as part of the technical advisory committee process
3. To consider the development of internal technical advisory/evaluation committees within each authority to review proposed water quality improvement projects
4. To allow permit applicants to address all members of each authority’s organization that are offering comments and concerns on a proposed water quality improvement project early on through the technical advisory committee process, instead of trying to go through one contact person at each authority.

## WATER IMPAIRMENTS AND AQUATIC INVASIVE SPECIES

### **2017-02 Temporary Lake Quarantine Authorization to Control the Spread of AIS**

MAWD supports legislation granting to watershed districts, independently or under DNR oversight, the authority, after public hearing and technical findings, to impose a public access quarantine, for a defined period of time in conjunction with determining and instituting an AIS management response to an infestation.

### **2017-04 Limited Liability for Certified Commercial Salt Applicators**

MAWD supports passage and enactment of state law that provides a limited liability exemption to commercial salt applicators and property owners using salt applicators who are certified through the established salt applicator certification program who follow best management practices.

## COORDINATED LOCAL AND STATE WATERSHED MANAGEMENT PLANNING

### **2018-06 Ensure Timely Updates to Wildlife Management Area (WMA) Plans**

MAWD supports that Wildlife Management Area (WMA) operation and maintenance plans and/or management plans are either drafted or brought current in a timely fashion, with input from local governmental entities, to ensure their consideration in future One Watershed One Plan efforts.

### **2017-07 Creation of a Stormwater Reuse Task Force**

MAWD pursue legislation requiring creation of a Stormwater Reuse Task Force with membership from Watershed Districts, Cities, Counties, State Agencies and other Stormwater Reuse implementers; and that the Stormwater Reuse Task Force should be charged with developing recommendations that further clarify and/or replace the information in the Water Reuse Report that relates to stormwater reuse best management practices.

### **2015-07 Review Commitment to Clean Water Council Process for Recommendations to Governor and Legislature on Spending Priorities of the Clean Water Fund**

MAWD undertake a review of our commitment to the present Clean Water Council funding recommendation process and make a recommendation to the membership at our 2016 Annual Meeting on our continued participation in that process.

### **2015-06 Establishment of Minnesota River Basin Commission**

MAWD supports the legislative establishment of a MN River Basin Commission to provide effective and efficient proactive comprehensive basin planning; administration; project development; implementation; construction and maintenance or water resource projects and programs of benefit to the MN River Basin with a focus on water quantity and water quality management.

## STATE BOARD AND COUNCIL APPOINTMENTS

### **2018-03 Require Timely Appointments to the BWSR Board**

MAWD supports legislation that requires the Governor to make BWSR board appointments within 90 days of a vacancy or board member term expiration.

### **2018-09 Clean Water Council Appointments**

MAWD may ask the representative of the Clean Water Council to resign when they lose their direct association to a watershed district; and that MAWD will recommend to the Governor's office that managers and/or administrators in good standing with MAWD be appointed to the Clean Water Council.

### **2015-08 Protect the Integrity of the Clean Water Council Appointments**

MAWD pursue legislation to protect the integrity of Clean Water Council appointments by supporting legislation similar to the BWSR appointment process for local government appointments, and that any state agency influence on the appointment process for local government representatives or any other specific represented groups on the Clean Water Council not be tolerated.

## WATERSHED DISTRICT OPERATIONS

### **2016-01 Making Human Resources Expertise Available to Districts through MAWD**

MAWD research potential options of making human resources expertise available to districts and make every effort to assure districts have access to the expertise they need to effectively manage their organizations.

## Archived MAWD Resolutions - July 1, 2019

2013 Approved Resolutions		Reason for Removal and Date of Archiving	
2013-01	Support Funding for Engineer Study on Floodwater Retention Pond for LqP YB WD	Expired via sunset policy	June 2019
2013-02	WD Eligibility under COE's Regional General Permit	Expired via sunset policy	June 2019
2013-03	Restore Consistency and Predictability to WCA & CWA Exempted Activities	Expired via sunset policy	June 2019
2013-04	Consolidate Watershed Boundary Correction	Expired via sunset policy	June 2019
2013-05	Statutory Correction on WD Funds	A more current resolution is on the books (2016-04)	JAN 2019
2013-06	Authorize WD manager participation in electronic meetings	A more current resolution is on the books (2016-05)	JAN 2019
2013-07	Amend Water appropriation law to remove water quality projects	This issue was <b>passed</b> in the environment bill	JAN 2019
2013-08	Support Sales tax exemption for WDs	This issue was <b>passed</b> in the taxes bill	JAN 2019
2014 Approved Resolutions			
2014-01	Repair of Flood Damage in the Prior Lake Outlet Channel	This issue was <b>passed</b> in the bonding bill	JAN 2019
2014-02	Common Carp Mangement, Research, and Removal	A more current resolution is on the books (2018-07)	JAN 2019
2014-03	Development, Adoption and Communication of MAWD Legislative Agenda	<b>Completed.</b> (Core function of the executive director )	JAN 2019
2014-04	Leasing Lands Purchased with State General Obligation Bonds	This <b>passed</b> in the bonding bill	JAN 2019
2014-05	Watershed District Appointments to BWSR	A more current resolution is on the books (2018-03)	JAN 2019
2015 Approved Resolutions			
2015-03	Increase Manager's Per Diem	A more current resolution is on the books (2018-01)	JAN 2019
2015-04	Watershed District Input on MN DNR Buffer Protection Map	<b>Completed.</b>	JAN 2019
2015-09	Proposed Changes to the 2015 Buffers Law	Clarifying buffer legislation was <b>adopted</b>	JAN 2019
2016 Approved Resolutions			
2016-02	Correcting Watershed-Based Wetland Conservation Act Implementation	This <b>passed</b> in environmental finance bill	JAN 2019
2016-04	Amend MN Statute 103D.905 Subd. 9 to Allow a Project Tax for All Types of Grants	<b>Passed</b> 2019 Legislative Session	June 2019
2016-05	WD Manager Meeting Participation via Electronic Means Outside WD Limits	<b>Resolved</b> via Advisory Opinion 18019	June 2019
2016-06	Modify Levy authority for non-metro WDs/Increase levy authority	A more current resolution is on the books (2018-02)	JAN 2019
2016-07	Appropriation for Buffer Enforcement for WD/Counties	This <b>passed</b> in the environmental finance bill	JAN 2019
2017 Approved Resolutions			
2017-01	State Watershed Program Coordination with Local Watershed Implementation	<b>Passed</b> 2019 Legislative Session	June 2019
2017-03	Conservation Reserve Program (CRP) Support in the 2018 Federal Farm Bill	<b>Done</b> - Farm Bill passed	June 2019
2018 Approved Resolutions			
2018-01	Allow an Increase to Manager Compensation	<b>Passed</b> 2019 Legislative Session	June 2019
2018-05	Adjust Watershed District Statutory Borrowing Limit	<b>Resolved</b>	June 2019
2018-07	Remove impediments to Common Carp Removal in Lakes	<b>Passed</b> 2019 Legislative Session	June 2019

By Corey Hanson, Red Lake Watershed District Water Quality Coordinator. 7/2/2019.

- ✓ Zebra Mussels were found in Upper Red Lake
- ✓ Clearwater River Watershed Restoration and Protection Strategy

### **River Watch**

RLWD Natural Resources Specialist, Ashley Hitt, conducted River of Dreams classroom instruction for elementary school students at J.A. Hughes Elementary School in Red Lake Falls and the Red Lake County Central Elementary School in Plummer. Hitt met with school administration from Thief River Falls to discuss the revival of a River Watch program at that school.

### **Zebra Mussels in Upper Red Lake**

On March 11, 2019, online and newspaper articles notified the public that zebra mussel veligers had been found in Upper Red Lake. Red Lake Department of Natural Resources staff suspect that zebra mussels came to the lake as adults on a dock or other structure that was transported from an infested lake. If zebra mussels move downstream to the Red Lake River, there could affect the District's monitoring program and could affect water intake pipes for the City of Thief River Falls' water supply. Monitoring equipment will be deployed in the Red Lake River near the border of the reservation.

<https://www.bemidjipioneer.com/sports/4583184-dnr-finds-zebra-mussel-larvae-upper-red-lake>

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

Though some extra edits were made in the first week of April, draft Clearwater River Watershed Restoration and Protection Strategy and Clearwater River Watershed Total Maximum Daily Load reports were essentially completed by the end of March 2019. The additions to the reports in March included:

- TMDL Sections 1, 2, 5.1, 5.2, and 5.3 (Project Overview, Applicable Standards, Total Suspended Solids TMDLs, *E. coli* Bacteria TMDLs, and River Eutrophication TMDLs) were edited using comments from the MPCA Project Manager
- TMDL Section 5.4 - Total Phosphorus total maximum daily loads (TMDLs) for lakes.
  - Cameron Lake TMDL summary table
  - Stony Lake TMDL summary table
  - Lake TMDL section text
- TMDL Section 9 – Implementation Strategy Summary
- WRAPS formatting changes based on a newly released template (where practical and where they would improve the document)
- WRAPS Executive Summary
- WRAPS Section 1 – Watershed Background and Description
- WRAPS Section 1.1 – Subwatersheds
- WRAPS Section 1.3 – Streams
- WRAPS Section 1.4 – Lakes
- WRAPS Section 2.4 – TMDL Summary (TMDL Summary Tables)
- WRAPS Section 2.5 – Protection Considerations

- WRAPS Section 3.3 – Civic Engagement
- WRAPS Section 3.4 – Restoration and Protection Strategies
  - Used the HSPF-SAM modeling tool to estimate potential sediment and phosphorus reductions from the implementation of best management practices

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

Some minor revisions were made to the Red Lake River TMDL to address EPA comments. An executive summary was added to the WRAPS report. Additional edits were made (mostly formatting), based on comments that were received from the MPCA. RLWD staff reviewed a draft press release and a four-page summary document that the MPCA will use to publicize the public comment period for the Red Lake River WRAPS and TMDL.

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

The Thief River TMDL was edited to add construction and industrial stormwater wasteload allocations to the TMDLs to complete its final revision prior to submission for EPA approval. The Thief River WRAPS received final approval from the MPCA on March 18, 2019.

#### **Grand Marais Creek Watershed Restoration and Protection Strategy (WRAPS)**

Some minor revisions were made to the Grand Marais Creek TMDL to address EPA comments.

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

Planning work group (PWG) members discussed reducing phosphorus reduction goals to more achievable levels, the upcoming Advisory Committee meeting, and ways to make the report and its structure more understandable for the Policy Committee during a March 4, 2019 conference call. Comments on Section 4 (Targeted Implementation) of the plan were reviewed by the planning work group (PWG). The PWG met on March 13, 2019 to review the comments on Section 4 of the report.

#### **Other Notes**

- Water quality related notes from the March 15, 2019 Red Lake Watershed District Board of Managers meeting:
  - Correspondence from the MNDNR regarding a well interference in Red Lake County during the summer of 2018 was reviewed by the Board. It was noted by the MN DNR that the well interference complaint was valid. Based on DNR available information, irrigation pumping from two authorized irrigation wells and one unpermitted well likely contributed to this interference.
  - Administrator Jesme gave a brief explanation of LiDAR tools and website that are being managed by the International Water Institute. Jesme indicated that administrators recently had a meeting in which Chuck Fritz attended to show functions of the tools that are presently being used in North Dakota but due to absence for funding on the Minnesota side of the valley, these tools are no longer available to the watershed districts or the public. Staff member Loren Sanderson informed the Board of the



usefulness of the LiDAR tool and how the RLWD has utilized this tool in the past for permitting and surveying. It is estimated that the cost for hosting LiDAR is \$30,000 annually. The Board voted unanimously, to request to the Red River Watershed Management Board designate funding for these LiDAR tools in order to keep the tool available.

- Manager Dwight stated that the City of Northome would like to move forward with Bartlett Lake management. Emmons and Olivier had been contacted regarding a previous study done on Bartlett Lake and would be willing to assist in the process of moving forward with a lake management plan. Manager Dwight asked to be placed on the March 18, 2019 RLWD Advisory Committee agenda in order to present this update on Bartlett Lake in the absence of RLWD Advisory committee member Wayne Skoe. Consensus of the Board was for Manager Dwight to update the RLWD Advisory Committee on Bartlett Lake.
- Staff member Ashley Hitt presented quotes for repair/replacement of the PH probes of 3 YSI 600 QS sondes that the Red Lake Watershed District own. Since this equipment model is no longer being manufactured by the company, YSI, they will continue to repair until 2020. The Board voted in favor of approving the repairs of 3 YSI 600 QS sondes.
- West Polk SWCD submitted a request for a financial donation for the Area I Envirothon. The Area I Envirothon will be held on Wednesday, May 1, 2019, at Rydell Refuge. The Board voted in favor of donating \$300 to the West Polk SWCD for Area I Envirothon to promote education and awareness of water quality issues.
- Administrator Jesme stated there was an opportunity for former summer staff person Marisa Newton to assist the Red Lake Watershed District in hydro-conditioning LiDAR data. It was consensus of the Board to approve the hiring of Marisa Newton for summer intern position. Jesme also stated that the position vacated by Brady Stanley has not been filled and with the expectation of busy construction seasons for the next few years, he was wondering if the vacant position should be filled. The consensus of the Board was to identify the job description and position to be advertised and it bring back to the Board for discussion.
- An article and picture from the Leader Record which featured and recognized Red Lake County Central students on their first-place finish at the River Watch Forum was included in packet.
- Water quality related notes from the March 28, 2019 Red Lake Watershed District Board of Managers meeting:
  - Manager Dwight stated a District permit was applied for by the Minnesota Department of Transportation. The permit is for an improvement of TH#1 as well as adjacent storm sewer along both sides of TH#1 within the city of Northome. Dwight indicated that the existing storm sewer outlets as well as the improved storm sewer outlets into Bartlett Lake. Dwight was wondering if there were other options for the outlet. Dwight spoke with Staff member Loren Sanderson regarding the matter and will meet with Koochiching County Commissioner Wayne Skoe in the future.
  - Manager Ose stated that the RRWMB agreed to designate funding for LiDAR (online tools), with the two-watershed district's that are not within the RRWMB willing to pay their appropriate share.
- RLWD and MPCA staff discussed the classification of waters in the Thief River watershed for the assessment of aquatic life.

- The Mud River, from Grygla to Agassiz Pool (09020304-507), was split into two sections (unnecessarily). Similar, general use standards will be applied to both reaches.
  - An upstream portion of Marshall County Ditch 20 (CD 20, 09020304-548) will be assessed with modified use standards (lower expectations). The reach failed to meet expectations for fish but had a passing index of biological integrity score for macroinvertebrates. The stressor identification process would benefit from flow monitoring. The RLWD will monitor stage and flow on this reach in 2019.
  - The next portion of CD 20 upstream of assessment unit 09020304-548 is assessment unit 09020304-549, which zigzags through bog in the headwaters of CD 20. It starts near the corner of Bottom Road NW and Gundog Road NW, Flows along Gundog Road NW, turns south at Jelle Road for ½ mile, turns west again where it flows under Jelle Road, then turns south again as it flows to the main east-west channel of CD 20. This reach was too dry to sample invertebrates. The fish sample was collected after a rain event. The reach may not be assessed if there is a lack of flow. Flow monitoring within this reach was recommended.
  - Main JD 23 (09020304-551) and Lat 1 JD 23 (09020304-550) were both sampled for fish and macroinvertebrates, even though they are artificial watercourses (road ditches) and not streams that were channelized. They are just enlarged road ditches with relatively small drainage areas. They are very likely intermittent. Main JD 23 met fish standards for the modified use classification but failed to meet macroinvertebrate standards. Macroinvertebrates were sampled in the fall, when there likely was not any flow in the ditch. The sampling results from Lat 1 JD 23 were “not reportable” due to a disturbance. Flow in both of those ditches will be monitored in 2019 to determine whether or not there is enough flow for them to be worth assessing for aquatic life.
  - The MPCA will hold an internal Watershed Assessment Team meeting at the end of March.
- RLWD staff wrote articles for the 2018 Red Lake Watershed District Annual Report
  - RLWD staff discussed the MPCA’s Tiered Aquatic Life Use standards with administrators from other watershed districts in the Red River Basin.
  - RLWD staff conducted/discussed a gap analysis on monitoring for blue-green algae blooms within the district. Plans were made for 2019 monitoring and sampling. Maple Lake will be used as a “sentinel” lake because toxins were discovered there in 2018. Regular testing for algal toxins (approximately once every two weeks) will be conducted during the months of July and August of 2019. If toxins are found at the Maple Lake public beach, additional shallow lakes within the RLWD will be sampled. Temperature loggers will be deployed on waters that are sampled for algal toxins.
  - RLWD staff monitored snowpack and moisture content at various sites throughout the District to help estimate potential spring runoff. Yearly monitoring begins the end of February, until snow



melt. March 2019 sampling completed by Loren Sanderson and Christina Slowinski found snowpack ranging from 14 inches to 18.5 inches, which equals 4.1 inches to 5.2 inches of water content in the snow.

- The International Water Institute released its Spring 2019 River Rendezvous newsletter that shared highlights from the River Watch Forum and introduced new staff.  
<https://mailchi.mp/8670ad0eae20/iwi-river-rendezvous-newsletter-spring-2019>.

### **Meetings and Events from March 2019**

- **March 1, 2019** – Skype Conference for the Red Lake River funding and work plan development for the Section 319 Small Watersheds Focus Program
  - <https://www.pca.state.mn.us/featured/10-small-watersheds-selected-focused-funding>
- **March 4, 2019** – Thief River 1W1P Planning Work Group conference call
  - 221 comments were received on Section 4 of the plan.
- **March 7, 2019** – 16<sup>th</sup> Annual Red River Basin Water Quality Monitoring Training Session
  - RLWD Water Quality Coordinator presented on the use of standard operating procedures in the field.
    - Why We Sample – Parameters and Data Uses – Evelyn Ashiamah, MPCA, <https://iwinst.org/wp-content/uploads/2019/03/2019-Water-Quality-parameters-and-Data-uses.pdf>
    - Standard Operating Procedures – Corey Hanson, RLWD, <https://iwinst.org/wp-content/uploads/2019/03/2019-Water-Quality-Monitoring-SOPs.pdf>
    - Blue Green Algae – I.D., Health Issues, Testing – Andrew Butzer, MPCA, <https://iwinst.org/wp-content/uploads/2019/03/Harmful-Algal-Blooms-2019.pdf>
      - Andy gave an excellent presentation that covered the history of blue-green algae, interesting facts about blue-green algae, things that often get mistaken for blue-green algae, and who to contact if you find a blue-green algae bloom.
      - The Minnesota Department of Health has a hotline to report human or animal illness from algal toxins: 877-366-3455.
      - The MPCA also tracks blue-green algae blooms and can be contacted at 651-201-5414 or 800-657-3864
      - The Jar Test and Stick Test are inexpensive ways to test an algae bloom to see if it might be blue-green algae. If a jar of sampled water is set in a refrigerator overnight and a green ring of algae forms near the top of the water, there is a strong possibility that the sample contains a significant amount of blue-green algae. A mat of floating algae is NOT blue-green algae if you can lift it out of the water with a stick.
    - Sonde Technology – Maintenance, Care and Use – Danni Halvorson, IWI, <https://iwinst.org/wp-content/uploads/2019/03/Sonde-Maintenance-and-Care-2019.pdf>
- **March 12, 2019** – Polk County Aquatic Invasive Species Taskforce meeting
  - The committee discussed the purchase of a waterless decontamination station.

- <https://www.cd3station.com/cd3-wayside-solar>
- **March 12, 2019** – Polk County Water Resources Advisory Committee meeting
  - Well interference issues in Polk County were discussed. The DNR has not denied any permits, which has led to more irrigation, more well interference, and unknown harm to the aquifer.
  - The group also discussed snow storage/disposal piles that are too close to waters (especially the Red Lake River in Crookston).
- **March 13, 2019** – Thief River 1W1P meeting of the advisory committee, policy committee, and planning work group
  - Discussion of comments on Section 4 of the Thief River 1W1P document
  - Following the completion of the Advisory Committee meeting, the Policy Committee met to discuss the Memorandum of Agreement as well as discussion of timeline for completion of the Draft Plan which will hopefully be put out for public comment sometime in early summer of 2019.
- **March 18, 2019** – Red Lake Watershed District Overall Advisory Committee meeting
  - RLWD staff (Myron Jesme, Corey Hanson, Ashley Hitt, Christina Slowinski, and Loren Sanderson) presented on 2018 projects and plans for 2019
  - We need 260,000 acre-feet of storage in our district to meet the goal of a 35% reduction in flows at Crookston. It will take many projects to reach that goal.
  - There was discussion about the One Watershed One Plan process. There was a farmer from the Thief River watershed that asked how it benefits landowners. Other advisory committee members (also landowners) spoke in defense of the process and explained how best management practices that reduce sediment runoff also help keep ditches from getting filled with sediment.
  - There was discussion about Bartlett Lake.
  - There was a recommendation from an advisory committee member to have a liaison with the Red Lake Band so that projects like Good Lake can be done. Good Lake had a very significant benefit for downstream areas.
- **March 26, 2019** – Polk County Township Officers Association spring meeting
  - RLWD Water Quality Coordinator was invited to speak about the Red Lake River One Watershed One Plan

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](https://www.facebook.com/redlakewatershed) to stay up-to-date on RLWD reports and activities.