

# RED LAKE WATERSHED DISTRICT

March 23, 2023

9:00 a.m.

## Agenda

9:00 a.m.	Call to Order	Action
	Review and approve agenda	Action
	Requests to appear	Information
	March 9, 2023 Minutes	Action
	Financial Report dated March 22, 2023	Action
	Elm Lake/Lost River Pool-Spring Forecast	Information
	Thief River SWAG, RLWD Project No. 168A-Water Quality Equipment Sonde Van Dorn Samples (2)	Info./Action
	2022 FEMA – Update	Information
	Permit Extension: No. 22004, Burlington Northern No. 21045, Thief River Falls Regional Airport	Action
	Tabled Permits: No. 22016, Blair Holthusen, River Falls Twp, Penn. Co. No. 22017, Rick & Lorae Roed, Hill River Twp., Polk Co. No. 22018, Rich & Lorae Roed, King Twp., Polk Co.	Action
	Permit: No. 22019 and 22020	Action
	Red Lake WMA-Update	Information
	Letter of Resignation-Natural Resource	Action
	Staffing Update	Information
	Administrators Report	Information
	Legal Counsel Update	Information
	Managers’ updates	Information
	Adjourn	Action

### UPCOMING MEETINGS

March 23, 2023	RLWD Board Meeting, 9:00 a.m.
March 29, 2023	Clearwater River 1W1P Policy Committee meeting, 9:00 a.m.
April 13, 2023	RLWD Board Meeting, 9:00 a.m.
April 18, 2023	RRWMB, Ada, 10:00 a.m.
April 21, 2023	Mud River Project Team meeting, 10:00 a.m.

# DRAFT

RED LAKE WATERSHED DISTRICT  
Board of Manager's Minutes  
March 9, 2023

Vice President, Gene Tiedemann, called the meeting to order at 9:00 a.m. at the Red Lake Watershed District Office, Thief River Falls, MN.

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

The Board reviewed the agenda. Manager Dwight requested the addition of the role of the Budget and Salary Committee to the agenda. A motion was made by Dwight, seconded by Page, and passed by unanimous vote that the Board approve the agenda with the addition. Motion carried.

The Board reviewed the February 9, 2023, minutes. A motion by Ose, seconded by Page, to approve the February 9, 2023, Board meeting as presented. Motion carried.

The Board reviewed the Financial Report dated March 8, 2023. Motion by Sorenson, seconded by Anderson, to approve the Financial Report dated March 8, 2023, as presented. Motion carried. American Federal Bank increased their interest rates from 2.3% to 2.45%. Staff member Ann Joppru checked into a 12-month CD rates and reported an increase to 5.5%. The Board discussed and asked Joppru to check again in another month.

The 2023 IRS Standard Mileage Rate increased from 62.5 cents to 65.5 cents per mile. Changes will be applied on expense reports going forward.

Staff member Ann Joppru reported that there is a fund balance in the Judicial Ditch 72, RLWD Project No. 41 system that should be transferred to RLWD Project Nos. 41AA and 41BB, as Judicial Ditch 72 is no longer an active project. These funds will be divided between Clearwater County and Polk County based on the percentage on how much land is in each area; to be used for maintenance on each system. Administrator Jesme stated that he would like to see Joint Ditch No. 101, RLWD Project No. 41AA turned over to the District. Motion by Sorenson, seconded by Anderson, to transfer the remaining balance in the Judicial Ditch 72, RLWD Project No. 41 in the amount of \$3,375.73 into Joint Ditch 100, RLWD Project No. 41AA and Joint Ditch 101, RLWD Project No. 41BB based on the calculation. Motion carried.

Administrator Jesme stated that a landowner meeting for Judicial Ditch No. 4, RLWD Project No. 101 was held in Bagley, with no landowners in attendance. Jesme spoke with the Clearwater County Engineer, Dan Sauve, who will speak with Bruce Cox, for discussion if the system should be abandoned. Sauve is reluctant to abandon the system. Clearwater County will get back to the District. Manager Dwight questioned if there would be any potential of wetland banking credits in the area.

Engineer, Nate Dalager, HDR Engineering, Inc., appeared before the board to discuss the potential of a project on the Turtle Cross Connection Lakes. This area has a history of dams installed many years ago, some have lost their functionality. Some lakes are two feet lower than what the constituents would like. Meeting with landowners and MnDNR staff to review history. This project goes back to 1918, and over the years the dams have washed out. Dalager discussed the possibility of retrofitting the dams, with fish passable structures, drawdowns features, and then gain some FDR for temporary flood storage. We need additional landowner input before we decide what direction we go. Dalager estimates approximately 800 ac.ft. of storage. Administrator Jesme stated that in order to bounce a lake there is a legal court document hearing from 1933 that set a designated elevation on the lake. We would need all the landowners in attendance for discussion on how we can proceed with a project work team through the FDR. Manager Dwight asked if the MnDNR is stepping up to the plate with any financial backing? Legal Counsel Sparby asked why the structures washed out? Jesme said they've lost functionality, plus a large flood event occurred. Motion by Ose, seconded by Dwight, to move forward with landowner meeting to gather more information on the Turtle Cross Connection Lakes area. Motion carried.

Engineer Jake Huwe, HDR Engineering, Inc., appeared before the Board to discuss the Mud River Enhancement Project, RLWD Project No. 180C in cooperation with the USFWS-Agassiz National Wildlife Refuge. Huwe stated that a Project Team meeting was held February, with the next one scheduled for April 21<sup>st</sup>. The Purpose and Need has been established for the project and are currently looking at alternatives. If the team finds an alternative they like, we can move forward with the design. Mud River comes out of the Moose River impoundment crosses Hwy 89 and splits to JD 11-main (78%) and the Diversion Ditch/Branch 8 (22%) and eventually enters the Thief River/SD 83. The Purpose and Need Statement addresses sediment going into Agassiz NWR. Soil borings and probing were completed, with 5-6 feet of sediment to the original channel bottom. Manager Anderson asked what the overall objective of the project is. Sediment into Agassiz NWR which has restricted the flow of Agassiz NWR, which then gets released downstream into State Ditch 83. Engineer Nate Dalager, HDR Engineering, Inc., stated that we are pursuing the FDR portion of the project, and that we should have a defined project by mid-summer.

Administrator Jesme stated that funding rules for Ring Dike construction through the LCMRR are different than what we are used to. The LCCMR funding requires an engineer's analysis, cost estimate, surveying, and completing a 3-5-page application to present to the FDR Work Group, which they can either deny or approve. This would be upfront costs to the landowners, which the landowner would have to pay. Jesme questioned if the District would consider paying all expenses, less the landowners 12.5% share, if the project does not qualify for funding through the FDR Work Group? Motion by Ose, seconded by Page, that if the landowners ring dike does not qualify for funding through the RRWMB/FDR Work Group, the landowner will be responsible for paying 12.5% with the District paying the remaining share. Motion carried.

Jesme asked the Board if he should approach the RRRWMB to assist in funding the upfront costs of a ring dike should the FDRWG not approve funding for a particular ring dike? Consensus of

the Board is to request cost share from the RRWMB should the LCCMR funding not be approved.

Staff member Tammy Audette stated that the current funding request for work completed through FEMA for the 2022 flood event is \$413,176.46. The District has four projects that have not been repaired.

Staff member Tony Olson presented the snow depth and moisture content map as of March 3, 2023.

Staff member, Tony Olson requested that the following permits be tabled for further review: No. 23006, Mike Gasper, Fanny Township, Polk County; No. 23009, Euclid Township, Polk County; No. 23010, Mallea Family Trust, Hickory Township, Pennington County; No. 23011, Poplar River Township, Red Lake County; No. 23012, Poplar River Township, Red Lake County; No. 23013, Poplar River Township, Red Lake County; No. 23014, Cindy Rissanen, Sanders Township, Pennington County; and No. 23015, James & Grant Pulkrabek, Keystone Township, Polk County. Motion by Ose, seconded by Anderson to table the above-mentioned permits for further review and approve RLWD Permit No. 23008, Red Lake County Highway Department, Poplar River Township, Red Lake County with conditions stated on the permit. Motion carried.

Administrator Jesme stated that the Red Lake WMA Stakeholder Focus Group are working on updated their management plan and invited a representative from the District to participate. Jesme indicated that this area is north of the Upper Red Lake. Manager Dwight stated that he will attend the meeting.

Administrator Jesme stated that he has been participating in a Drainage Work Group Advisory Committee since October 2022, which is a technical committee. Jesme indicated that they would like to start meeting in person, once a month in Alexandria, MN to review the differences between the groups. Motion by Ose, seconded by Page, to approve Jesme's participation in the Drainage Work Group Advisory Committee meetings monthly in Alexandria. Motion carried.

The Board reviewed a quote in the amount of \$1,552.00 to clean the carpeting in the District office. Motion by Sorenson seconded by Page, to approve the quote for cleaning the carpet of the District office. Motion carried.

Administrator Jesme stated that the District has six individuals scheduled for interviews on Thursday, March 16, 2023 for the Natural Resources Technician Position.

Manager Dwight discussed the role of the Budget and Salary Committee, referring to their role in completing personnel items also. Discussion was held on modifying the committee's name to Budget/Salary/Personnel Committee. Motion by Anderson, seconded by Ose, to change the name of the Budget and Salary Committee to Budget/Salary/Personnel Committee. Motion carried.

Administrators Report:

- Jesme and Manager Tiedemann attended the RRWMB meeting on February 21, 2023 in Moorhead. The next meeting will be held March 21, 2023 in Ada.
- Jesme participated in the February 10, 2023 Drainage Workgroup meeting. The MnDNR has decided to pull their Adequate Outlet Legislation and continue to work with the DWG on this issue.
- The Red Lake River 1W1P Advisory and Policy Committee met on February 8<sup>th</sup>, followed by a Planning Work Group meeting on March 2<sup>nd</sup>.
- The Steering Committee for the Thief River 1W1P met on March 6<sup>th</sup> in preparation for the Policy Committee meeting on March 13<sup>th</sup>.
- There will be technical meeting for the Clearwater River/Wilton Trail later today in Bemidji.
- The River Watch Forum was held March 1<sup>st</sup> in Alerus in Grand Forks.
- Included in the packet was a letter from Wideth Smith Nolting regarding the City of Clearbrook proposed water treatment plant and new well construction project.
- The Interagency meeting with the USFWS (Agassiz NWR), MnDNR (Thief Lake), Marshall County Commissioner Gary Kiesow, Wayne Johnson-City of Thief River Falls, Manager Ose and Staff members Jesme, Olson, Koland, and Audette met on February 28, 2023 to review.

Legal Counsel Sparby indicated that he has not heard anything on the Appeals Court decision. Sparby stated that he put some legislative information together and sent it down to Attorney John Kolb. Kolb felt it was better to wait as the deadline was March 10, 2023.

Legal Counsel Sparby referred to the Board's discussion on adding items to the agenda. Sparby indicated that any Board Member can add to the agenda, further stated that the Agenda needs to be approved at the beginning of the meeting.

Manager Dwight stated that as part of the Pay Equity Report, the District had a couple of inequities which required action by the District to respond; at that time the Budget/Salary Committee met with Jesme and Audette for discussion on the position of Tony Olson, which fell well below the average compared to other positions within the office. Dwight indicated that the Budget/Salary Committee recommended moving Olson from a Step 4 to a Step 6. Motion by Dwight, seconded by Sorenson to approve moving Olson from a Step 4 to Step 6. Motion carried.

Manager Dwight stated that the "Keep it Clean" bill will be introduced into the House Committee on Tuesday and to the Senate on Wednesday. The bill calls for financial support to the counties to help in the enforcement effort, which received a little pushback from the Sheriff's Association. Counties would be required to put together a budget request.

Manager Tiedemann stated that he will be leaving the area March 14-15<sup>th</sup> and gone for several weeks.

Red Lake Watershed District

March 9, 2023

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Motion by Dwight, seconded by Anderson, to adjourn the meeting to the March 20, 2023 RLWD Overall Advisory Committee meeting at 9:30 a.m. at the RLWD office. Motion carried.

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LeRoy Ose, Secretary

**RED LAKE WATERSHED DISTRICT**  
**Financial Report for March 22, 2023**

<b>Ck#</b>	<b>Check Issued to:</b>	<b>Description</b>	<b>Amount</b>
online	EFTPS	Withholding FICA, Fed & Medicare (3-8-23 payroll)	\$ 300.42
online	MN Department of Revenue	Withholding taxes (3-8-23 payroll)	\$ 82.42
online	EFTPS	Withholding FICA, Fed & Medicare (3-15-23 payroll)	4690.96
online	MN Department of Revenue	Withholding taxes (3-15-23 payroll)	804.86
online	Public Employers Retirement Assn.	PERA (3-15-23 payroll)	\$ 2,942.47
online	WEX	Employee HSA (3-15-23 payroll)	\$ 142.00
40625	Voided check	Voided check	\$ -
40626	Randall Edevold	Reprinted lost check for \$179.75	\$ -
40627	Biran Love	Mileage for Parnell Impoundment meeting Proj. #81	\$ 49.40
40628	Evergreen Catering	Meeting expense for RLW1P meeting Proj. #149	\$ 37.41
40629	HDR, Inc.	Engineering fees for RLWD CD 99 Slope Repair #149	\$ 3,307.58
40630	Neil Beyer	Mileage for Parnell Impoundment meeting Proj. #81	\$ 22.27
40631	Nelson Ink.	Bronze Plaque for Pine Lake Proj. #26B	\$ 1,001.53
40632	Kim Nordheim	Lunch for Advisory Committee	\$ 350.00
40633	Corporate Technologies	Managed IT and Office 365	\$ 1,472.50
40634	Marco	Telephone Expense	\$ 342.64
40635	NCPERS Group Life Insurance	Staff Life Insurance	\$ 128.00
40636	Sutton Vetteson	Clean Office 3/12/23 3/19/23	\$ 140.00
online	City of Thief River Falls	Utilities expense	\$ 946.80
online	Cardmember Services	* see details below	\$ 2,834.63
online	PureWater Technologies	H2O for office	\$ 38.00
direct	Tom Anderson	Mileage	\$ 117.90
direct	Terry Sorenson	Mileage	\$ 199.13
direct	Al Page	Mileage	\$ 231.02
	Staff & Board Payroll	3/15/2023	\$ 16,432.85
	<b>Total Checks</b>		\$ 36,614.79

**\*CardMember Services**

Registration for MAWD Legislative	\$	377.54
Hotel Rooms for Drainage Conf	\$	572.83
Registration for RRWMB Conf	\$	200.00
Hotel Rooms for MAWD Legislative	\$	632.80
Hotel Rooms for RRWMB Conf	\$	854.28
Walmart - meeting expenses	\$	67.72
Hotel Room for Drainage - Erick	\$	129.46
	\$	<u>2,834.63</u>

**Banking Northern State Bank**

Balance as of March 8, 2023	\$	525,152.86
Total Checks Written	\$	(36,614.79)
Receipt #25056 Monthly interest		
Receipt #25058 MPCA - Reimbursement Invoice #6 - Proj. #46R (319 Grant)		
Balance as of March 22, 2023	\$	<u>488,538.07</u>

Current interest rate is .20%

**American Federal Bank-Fosston**

Balance as of March 8, 2023	\$	4,554,068.07
Receipt #25052 Marshall Co. - 2022 Delinq tax State Ditch 83 - Proj. #14		
Receipt #25053 RRWMB Website cost share Proj. #001E		
Receipt #25054 RRWMB Reimbursement for staff time on potential Ring Dike Proj. #129		
Receipt #25055 RRWMB registration refund		
Receipt #25057 Monthly Interest		

Balance as of March 22, 2023

\$ 4,554,068.07

Current interest rate is 2.45%

**Investments**

<b>Edward Jones</b> Balance	12 month CD 3.45% Expiry 9-15-23	<u>\$ 241,000.00</u>
<b>Edward Jones</b> Balance	12 month CD 3.7% Expiry 9-22-23	<u>\$ 240,000.00</u>
<b>Edward Jones</b> Balance	12 month CD 3.7% Expiry 9-22-23	<u>\$ 17,000.00</u>
<b>Edward Jones</b> Balance	12 month CD 4.8% Expiry 12-15-23	<u>\$ 238,000.00</u>
<b>Edward Jones</b> Balance	12 month CD 4.8% Expiry 12-15-23	<u>\$ 238,000.00</u>
<b>Edward Jones</b> Balance	12 month CD 4.8% Expiry 12-15-23	<u>\$ 24,000.00</u>

**\$ 6,040,606.14**

**Total Cash**

**Cash that has been received and  
earmarked for projects**

Red Lake 1W1P Proj. #149	\$ 535,575.00
Thief River 1W1P Proj. #149A	<u>\$ 264,946.00</u>
	\$ 800,521.00

**Total accessible cash (Est)**

**\$ 5,240,085.14**



# Technical Memorandum

**To:** Red Lake Watershed District  
Board of Managers

**From:** Tony Nordby, PE  
Houston Engineering, Inc.

**Subject:** **Amendment to Elm Lake – Trigger Elevations Document Prepared by Ron Adrian, P.E., Dated August 21, 2006**

**Date:** March 21, 2023

**Project:** 3655-0104

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

 03-21-23  
Tony Nordby Date  
Reg. No. 51392

## INTRODUCTION

During the July 14, 2022, Red Lake Watershed District (RLWD) board meeting, the board directed Houston Engineering, Inc. (HEI) to review vertical datums and potential modifications to the downstream Elm Lake – Trigger Elevations in Agder Township, Marshall County. Documents and information reviewed in this analysis included the following:

- Elm Lake Project – Final Engineering Report, May 1988
- Waterway Analysis for Bridge Replacement (Line of Sect. 8 & 9 of Agder Twp.), Oct. 1994
- Waterway Analysis for Bridge Replacement (Line of Sect. 7 & 8 of Agder Twp.), Aug. 1999
- Elm Lake – Trigger Elevations Document, Aug. 2006
- Elm Lake WMA – Farnes Pool Outlet Structure Repairs, April 2009
- Marshall County Road 120 (MCR 120), Bridge Replacement Plan (Line of Sect. 7 & 8, Agder Twp.), April 2013
- Survey information performed by the RLWD staff in 2022

Hydrologic Engineering Center River Analysis System (HEC-RAS) steady flow models reviewed in this analysis include the following:

- 1998 State Ditch #83 (SD 83) steady state HEC-RAS model
- 2006 Branch 200 of Judicial Ditch #11 (JD 11) below the Outlet of Elm Lake steady state HEC-RAS model
- Modified 2006 Branch 200 JD 11 model by replacing pre-existing bridge structure at line of Sect. 7 & 8, Agder Twp. with 14' x 10' Reinforced Concrete Pipe box culvert as outlined in 2013 replacement plan

## VERTICAL DATUM CONVERSION

All information reviewed through 2009 including the HEC-RAS models provided elevations in the National Geodetic Vertical Datum of 1929 (NGVD 29). The 2013 bridge replacement plan referenced above, and the survey performed by the RLWD staff in 2022 provided elevations in the North American Vertical Datum 1988

(NAVD 88). Also, in general all LiDAR data provided through online website applications are shown in NAVD 88. The conversion between NGVD 29 and NAVD 88 for the Elm Lake Outlet location is approximately +1.35' as determined by VERTCON<sup>1</sup>. To provide consistency and avoid elevation discrepancies due to datum differences, this amendment will convert all Elm Lake referenced pool levels and report all downstream trigger elevations in NAVD 88. The Elm Lake converted critical elevation components are shown in **Table 1**.

Table 1: Elm Lake Critical Elevations

General Statistics	Original Design Elevation (NGVD 29)	Original Design Elevation (NAVD 88) <sup>[1]</sup>	Storage (Acre-Feet)	Surface Area (Acres)
Winter Pool	1,139.00	1,140.35	3,500	1,700
Normal Pool	1,140.00	1,141.35	5,500	2,100
Max Summer Pool	1,141.00	1,142.35	7,500	2,400
Emergency Spillway	1,142.10	1,143.45	11,000	2,700
Top of Dam	1,145.00	1,146.35	19,700	3,200

[1] Design elevation converted from NGVD 29 to NAVD88 using a ratio of 1.35'

## ELM LAKE DOWNSTREAM TRIGGER LOCATIONS

The “Elm Lake – Trigger Elevations Document, Aug. 2006” identified three structure locations immediately downstream that trigger operation of the Elm Lake outlet structure. These locations are recommended to continue as the Elm Lake Operation Trigger Sites.

**Site 1** – This site is the first structure on Branch 200 JD 11 downstream of the Elm Lake Outlet located on the section line between Sections 8 and 9 of Agder Township.

**Site 2** – This site is the second structure on Branch 200 JD 11 downstream of the Elm Lake Outlet located on the section line between Sections 7 and 8 of Agder Township. Since the “Elm Lake – Trigger Elevations Document, Aug. 2006”, this bridge structure was replaced with a 14' x 10' Reinforced Concrete Pipe (RCP) box culvert.

**Site 3** – This site is the first structure on the Thief River/SD 83 downstream of the Elm Lake Outlet located on Marshall CSAH #12 at the range line between Section 7 of Agder Township and Sections 12 and 13 of Excel Township.

## EXISTING DOCUMENTATION AND HEC-RAS MODEL REVIEW

In review of the reports, plans, survey, and models referenced above, the “Elm Lake – Trigger Elevations Document, Aug. 2006” provides an in-depth analysis of original operation intent of Elm Lake, channel capacity within Branch 200 JD 11, and backwater effect the Thief River/SD 83 has on Branch 200 JD 11 for determining the trigger site elevations for removing and installing stop logs at the Elm Lake outlet.

The original operation intent for Elm Lake is stated in the “Elm Lake Project - Final Engineer’s Report, May 1988” that “On the average, flood control is expected to be required only one year out of five”, which is the

<sup>1</sup> NGS. (2021). VERTCON. Retrieved from National Geodetic Survey NOAA: <https://geodesy.noaa.gov/NCAT/>

definition for a five-year flood. The “Elm Lake Project - Final Engineer’s Report, May 1988” also states that “After flood waters recede, water will be gradually discharged into Ditch 200 to the pre-determined approved summer pool elevation.”

The channel capacity within Branch 200 JD 11 downstream of the Elm Lake outlet is outlined in the “Elm Lake – Trigger Elevations Document, Aug. 2006” as approximately 160 cubic feet per second at Site 1 and in excess of 160 cubic feet per second at Site 2. The channel capacity of Branch 200 JD 11 is described as being within the spoil and roadway but begins to inundate adjacent agricultural drainageways through open swales and side inlet culverts. To verify the Branch 200 JD 11 channel capacity after the bridge replacement with an RCP box culvert at Site 2, the “2006 Branch 200 of JD 11 below the Outlet of Elm Lake steady state HEC-RAS model” was compared with the modified model replacing the bridge with the 14’ x 10’ RCP box culvert. The water surface profile difference between the two modeled scenarios immediately upstream of the Site 2 structure was less than 0.1 feet for a flow of 160 cubic feet per second, making the change from the bridge to the RCP box culvert negligible for conveying waters down Branch 200 JD 11 when nearing channel capacity.

The “1998 SD 83 steady state HEC-RAS model” was reviewed to understand water surface elevations for synthetic events on the Thief River/SD 83 at the confluence of Branch 200 JD 11. As stated in Attachment A of the “Elm Lake – Trigger Elevations Document, Aug. 2006”, and reviewed in the HEC-RAS model, the capacity of the Thief River/SD 83 is approximately a recurrence interval of 1.5-year (800 cubic feet per second) at the confluence with Branch 200 JD 11. Above this capacity adjacent agricultural drainageways remain inundated through open swales, side inlet culverts and backwater from the Thief River/SD 83 significantly effects Branch 200 JD 11 restricting upstream Branch 200 JD 11 flows.

The “Elm Lake – Trigger Elevations Document, Aug. 2006”, trigger elevation for stop log removal at Elm Lake for Sites 1 represents when Branch 200 JD 11 is at channel capacity and receding. The “Elm Lake – Trigger Elevations Document, Aug. 2006”, trigger elevations for stop log removal at Elm Lake for Sites 2 and 3 represent when the Thief River/SD 83 is at or slightly below a 1.5-year recurrence interval (channel capacity) and receding.

## CONCLUSION

The “Elm Lake – Trigger Elevations Document, Aug. 2006”, provides an in-depth analysis of original operation intent of Elm Lake, channel capacity within Branch 200 JD 11, and backwater effect the Thief River/SD 83 has on Branch 200 JD 11. To stay consistent with the “Elm Lake Project - Final Engineer’s Report, May 1988” report and original project intent, it is recommended to still use a five-year flood on the Thief River/SD 83 as the trigger for installation of stop logs at Elm Lake for both Site 2 and Site 3 as shown in **Table 2**. In review of the 2022 survey performed by the RLWD staff, the roadway overtopping elevation at Site 2 is approximately 0.2’ below the designed roadway elevation identified in the 2013 MCR 120, Bridge Replacement Plan. The designed MCR 120 overtopping elevation and the 2006 spring trigger elevation at Site 2 for installing stop logs at Elm Lake are approximately the same elevation. To maximize the potential to keep the roadway open, it is recommended that MCR 120 be raised to the 2013 design elevation of 1140.0. Although this roadway will be passible when the Elm Lake stop logs are initially installed, the significant backwater effect of the Thief River/SD 83 will still determine when the Site 2 roadway overtops regardless of the Site 2 Elm Lake trigger elevation.

It is recommended for trigger elevations at Site 1-3 for removal of stop logs at Elm Lake stay the same as presented in the “Elm Lake – Trigger Elevations Document, Aug. 2006” converted to NAVD 88 shown in **Table 2**. These elevations represent when Branch 200 JD 11 and the Thief River/SD 83 are near full capacity but receding. By using these trigger elevations, an efficient and timely drawdown is obtained for habitat purposes along with maximizing storage capacity at Elm Lake for the next storm event.

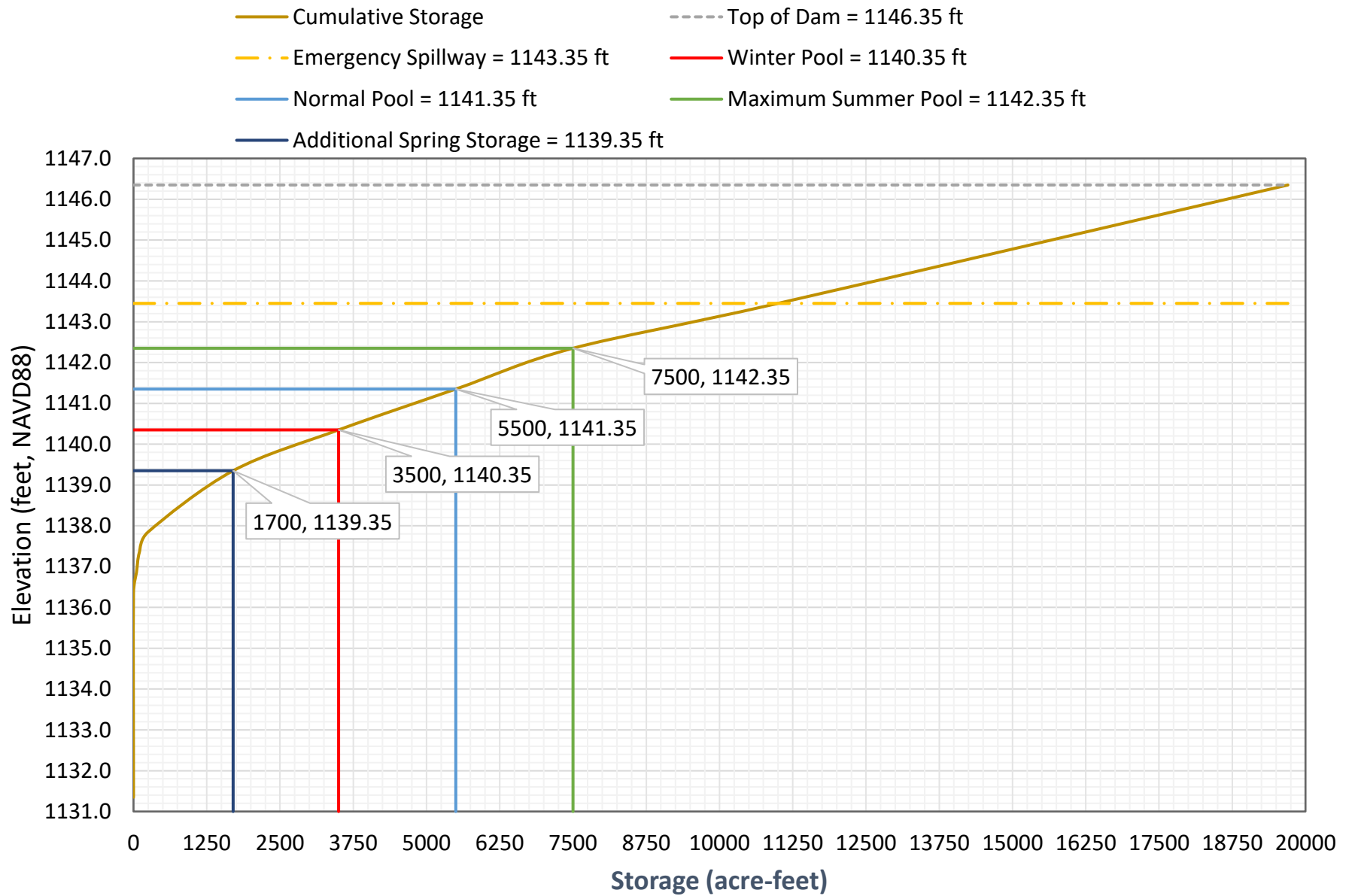
Table 2: Trigger Elevations for Elm Lake (NAVD 88)

Site #	Description	Remove Stop Logs (Flood Stage Elev.)	(Summer) Install Stop Logs (5-Yr Summer) (Elev.)	(Spring) Install Stop Logs (5-Yr Spring) (Elev.)
1	First structure downstream of Elm Lake on Branch 200 JD 11 (Sec 8/9 Agder)	1,135.35	na	na
2	Second structure downstream of Elm Lake on Branch 200 JD 11 (Sec 7/8 Agder)	1,134.35	1,138.75	1,140.05
3	First structure downstream of Elm Lake on Thief River/SD83 (CSAH 12) Sec 12/7 Excel/Agder	1,132.95	1,137.35	1138.55

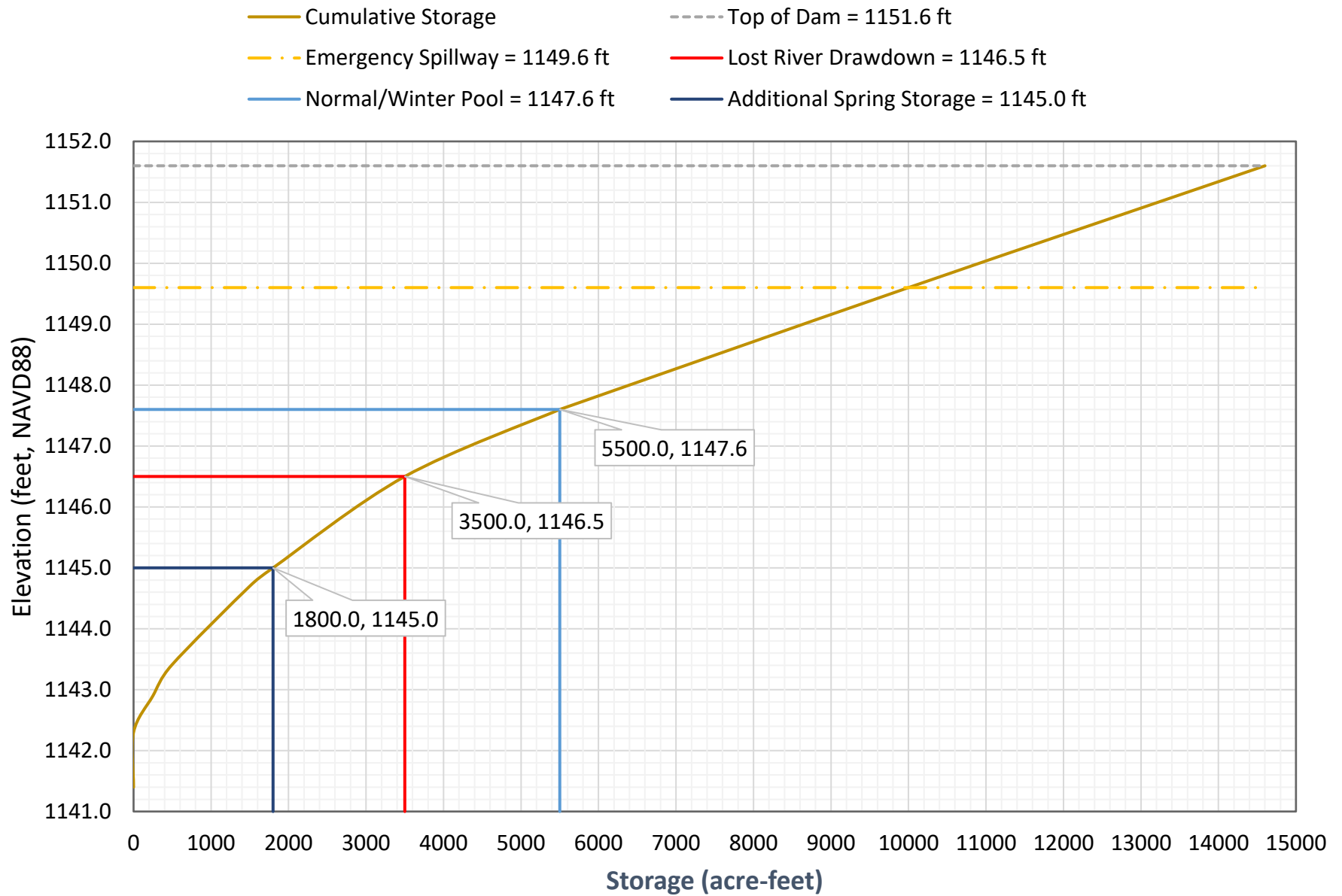
## ATTACHMENTS

Additional information provided as part of this technical memorandum includes updated Figure 9-6 and Figure 9-9 (Stage-Storage Curves) from the Elm Lake Project Final Engineering Report dated May 20, 1988, for both Elm Lake and Lost River Pool with all elevations converted to NAVD 88 datum. The conversion between NGVD 29 and NAVD 88 for the Elm Lake Outlet location is approximately +1.35' and approximately +1.40' for the Lost River Pool Outlet location as determined by VERTCON. Updated **Figure 9-6** and **Figure 9-9** are attached and incorporated into this document.

**Figure 9-6: Elm Lake Stage-Storage Curve (NAVD 1988 Datum)**



**Figure 9-9: Lost River Pool Stage-Storage Curve (NAVD 1988 Datum)**





2113 Wells Branch Pkwy, Ste 4400  
 Austin, Texas 78728  
 Phone 512-302-4333, Fax 512-251-6842

# QUOTATION

Rep	Date	Quote #
CK	3/14/2023	31639

Name / Address	Ship To
Red Lake Watershed District Corey Hanson 1000 Pennington Ave S Thief River Falls MN 56701	Red Lake Watershed District Corey Hanson 1000 Pennington Ave S Thief River Falls MN 56701

Part Number	Description	QTY	Unit Cost	Total
Manta+20 base	Manta+20 base multiprobe - 1.95" diameter, with temperature sensor Each package includes data cable, USB adapter, weighted sensor guard, storage and calibration cup, logging memory, electronic manual, MantaManager software, and three-year warranty.	1	2,040.00	2,040.00
conductivity	conductivity sensor - also used to calculate specific conductance, salinity and TDS	1	500.00	500.00
pH	pH sensor; requires reference electrode	1	373.00	373.00
reference	reference electrode; required for pH, pH/ORP, and ISE used in single plane "deep" bottom caps (2 pc.)	1	230.00	230.00
DO	dissolved oxygen sensor - luminescence-based "lifetime" measurement method, titanium shell	1	1,830.00	1,830.00
	Subtotal			4,973.00
Discount Domestic	Sales Discount		-10.00%	-497.30
depth low	depth sensor, low-range (0 to 25m) - also provides BP readings; paired w/ Sub Board	1	475.00	475.00
cable M+ 15m	cable, 15 meter, marine connector	1	470.00	470.00
Bluetooth - MantaMo...	MantaMobile Bluetooth Assembly, Dual Mode for both Android and Apple iOS. Provides wireless connection between multiprobe with cable and display.	1	400.00	400.00
Display iPad mini	Waterproof ruggedized display (iOS)	1	894.00	894.00
Case Standard soft	Soft-sided backpack style case with straps Holds Manta+20/25/30/35/40 and Trimeters 21 x 16" x 7"	1	150.00	150.00
	Subtotal			2,389.00
SHIPPING - DOME...	Shipping & Handling		32.24	32.24

Orders against this quote valid only upon receipt of Order Confirmation.	<b>Total</b>	\$6,896.94
Quote valid for 90 days after date issued.		

Customer Contact	Customer Phone	If not otherwise denoted on the quotation or sales order, cost of Shipping and Handling is to be paid by consignee.
Arlene	218-681-5800	



## Shopping Cart (1 Item)

Enter Promo Code

Add Product By Item #



### Wildco Beta Horizontal Acrylic Water Sample Bottle Kit

Item #: 77244 – In Stock

1

**\$553.00**

**Subtotal**

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**Shipping**

Estimate Shipping

**Total**

**\$553.00**

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# MINNESOTA DEPARTMENT OF PUBLIC SAFETY



Alcohol and Gambling Enforcement

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Minnesota State Patrol

Office of Communications

Office of Justice Programs

Office of Pipeline Safety

Office of Traffic Safety

State Fire Marshal

## Homeland Security and Emergency Management

445 Minnesota Street • Suite 223 • Saint Paul, Minnesota 55101-6223

Phone: 651-201-7400 • Fax: 651-296-0459

March 14, 2023

Tammy Audette  
Assistant Administrator  
Red Lake WSD  
tammy.audette@redlakewatershed.org

**Disaster:** 4659 **Declared:** 7/13/2022  
**PW:** 321 **Project#:** 685922  
**FEMA Applicant ID:** 125-53476-00  
**FAIN:** 4659DRMNP00000001  
**UEI:** KN6QSAGA6X98  
**Current POP Date:** 1/13/2024

Federal Emergency Management Agency (FEMA) has notified Minnesota Homeland Security and Emergency Management (HSEM) indicating an award on 3/1/2023 for this project:

The award amount is:

<b>Federal Obligated (Public Assistance 97.036):</b>	<b>\$ 88,388.10</b>
<b>State Obligated:</b>	<b>\$ 29,462.70</b>
<b>Total Obligated:</b>	<b>\$ 117,850.80</b>

**Your initial payment will be 100% of the obligated Federal Share and 90% of the obligated State Share, which is \$26,516.43.** The remaining 10% state share will be paid at closeout.

We use HSEM's EM Grants Pro System to manage your project. If you do not have an account, please do the following:

1. Go to <https://hsemrecovery.org/site/register.cfm>
2. Fill out the Access Request Form. Click Register.
3. Once approved, you can use the system at <https://hsemrecovery.org>

Attached you will find the following documentation:

1. Your project application (project worksheets)
2. Project Completion and Certification Report (P.4)\*
3. Exhibit I - Federal and State Assurances
4. Exhibit II - Certification for Contacts, Grants, Loans, and Cooperative Agreements\*
5. Exhibit III - Federal Audit Requirements

\*Please sign, date and email the following documents to HSEM at [mn.hsem.recovery.DPS@state.mn.us](mailto:mn.hsem.recovery.DPS@state.mn.us)

- *Exhibit II document: Send immediately, once received.*
- *Project Completion and Certificate Report (P.4): When your work is complete, fill in the 'blanks' on the P.4, and be sure to sign and date. Along with the P.4, send any additional documents for the closeout. Once we receive the completed P.4, we will review and then we can process your final payment and closeout.*

Please let me know if you have any questions. I can be reached at 612-289-7631 and at [kristin.loomer@state.mn.us](mailto:kristin.loomer@state.mn.us) (preferred).

RECEIVED

Kristin Loomer  
Minnesota Homeland Security and Emergency Management

MAR 21 2023

Initial: MS

Initial SP Letter

Category C

Revised January 6, 2023

RED LAKE WATERSHED DISTRICT PERMIT NUMBER 2022-004

In the matter of the application of: BNSF Railway Company, 4515 Kansas Avenue, Kansas City, KS 66106

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 BNSF Railway Company address for the purposes of notice and other communications pertaining to this permit is 4515 Kansas Avenue, Kansas City, KS 66106 the purpose of doing the work applied for with the following exceptions, changes, and/or special conditions:

**Red Lake Watershed District (RLWD) approval to remove the existing 9-span, 144' span bridge and install a 6-span, 160' bridge as per plan-set provided. Permit location is on the Clearwater River. Plan-set was created by TKDA. Applicant shall 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 218-219-8585. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166)**

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 February 24, 2023, 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 24 day of February, 2022.

Red Lake Watershed District



Myron Jesme, Administrator

P.A. No. **2022-004**

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

TO THE BOARD OF MANAGERS:

Landowner Name: BNSF Railway Company, Garrett Havens		Telephone Number: 817-897-4184	
Address (Street, RFD, Box No., City, State, Zip):			
4515 Kansas Avenue	Kansas City	KS	66106
Project Location: Lat: 47.518685 Long: -95.501433			
Government Lot _____ Quarter Section(s) <u>NE 1/4 of the SW 1/4</u> Section(s) <u>28</u>			
Township (Name & #) <u>Popple Township / 147 North</u> Range # <u>38 West</u> County <u>Clearwater</u>			
Type of Work Proposed:			
<input type="checkbox"/> Excavate	<input type="checkbox"/> Install	<input type="checkbox"/> Ditch	<input type="checkbox"/> Dike
<input type="checkbox"/> Fill	<input type="checkbox"/> Remove	<input type="checkbox"/> Culvert (Size _____)	<input type="checkbox"/> Erosion Control
<input type="checkbox"/> Drain	<input checked="" type="checkbox"/> Other	<input checked="" type="checkbox"/> Bridge (Size _____)	<input type="checkbox"/> Tile
<input checked="" type="checkbox"/> Construct	<input type="checkbox"/>	<input type="checkbox"/> Dam	<input type="checkbox"/> Other

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

Description of work to be done: The BNSF Railway Company (BNSF) structure 0031-0060.10 on the Grand Forks Subdivision, near Bagley, Minnesota, will be replaced as part of BNSF's general maintenance program. The existing structure is a 9-span concrete deck bridge supported on concrete piers with a total length of approximately 144 feet. The new 6-span, 160-ft bridge will be constructed of precast concrete beams, caps, and abutments bearing on steel H-pile bents on the same alignment and profile as the existing structure.	
Estimated drainage area: acres <u>31.92</u> or sq. mile(s) _____	
Work is necessary because:	
The purpose and need for the project is to maintain a structure for the safe and efficient transportation of interstate freight.	

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 landowner:		Date: 01/24/2022
Jacob Seidel of TKDA is an Authorized Agent for the Landowner BNSF Railway Company		

JAN 25 2022

MS

For Office Use Only	77-004
P.A. No.	



Permit # 22-004

Status Report: **Approved**

**Applicant Information**

Name	Organization	Address	Email	Phone Number(s)
	BNSF Railway Company	4515 Kansas Avenue Kansas City, KS 66106		tel: 817-897-4184 mobile: fax:

**General Information**

(1) The proposed project is a:

**Bridge Installation / Removal / Modification**

(2) Legal Description

(3) County: **Clearwater** Township: **Popple** Range: **38** Section: **28 1/4**:

(4) Describe in detail the work to be performed. **Replace existing 9-span concrete bridge (144') and replace it with a new 6-span bridge (160').**

(5) Why is this work necessary? Explain water related issue/problem being solved. **To maintain a structure for the safe and efficient transportation of interstate freight.**

**Status**

Status	Notes	Date
Approved		Feb. 9, 2022
Received		Jan. 25, 2022

**Conditions**

**Red Lake Watershed District (RLWD) approval to remove the existing 9-span, 144' span bridge and install a 6-span, 160' bridge as per plan-set provided. Permit location is on the Clearwater River. Plan-set was created by TKDA. Applicant shall 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 218-219-8585. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O.**

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.

## Tammy Audette

---

**From:** Chloe Gloeckner <cgloeckner@sehinc.com>  
**Sent:** Tuesday, March 14, 2023 11:35 AM  
**To:** Tammy Audette  
**Subject:** Thief River Falls Airport Permit  
**Attachments:** 2539\_001.pdf

Hi Tammy,

The Thief River Falls Airport received a watershed district permit extension in February 2022 for taxiway and hangar improvements, which included two filtration basins to treat stormwater runoff. The bulk of the construction will happen this summer – earthwork, foundations, crane & superstructure erection, etc. They'll need to do turf restoration in spring of 2024, and substantial completion is in June of 2024. Our permit expires in May 2023 and we are hoping to extend the permit through the summer of 2024 if possible. Could you let me know if you need any additional documentation for an extension?

Thank you,

Chloe Gloeckner, CFM, PE (MN, OH)  
Water Resources Engineer  
418 W. Superior Street | Duluth, MN 55802-1512  
Mailing Correspondence address: SEH, PO Box 229, Duluth, MN 55801-0229  
763.350.9589 cell  
[www.sehinc.com](http://www.sehinc.com)

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**From:** Tammy Audette <tammy.audette@redlakewatershed.org>  
**Sent:** Monday, February 28, 2022 2:41 PM  
**To:** Chloe Gloeckner <cgloeckner@sehinc.com>  
**Subject:** RE: Thief River Falls Airport Permit

The Board granted a one-year extension on your permit. The next expiration date is May 21, 2023. See attached.

Tammy

Tammy Audette  
[Tammy.audette@redlakewatershed.org](mailto:Tammy.audette@redlakewatershed.org)  
**Red Lake Watershed District**  
1000 Pennington Avenue South  
Thief River Falls, MN 56701  
218.681.5800

---

**From:** Chloe Gloeckner <cgloeckner@sehinc.com>  
**Sent:** Monday, February 28, 2022 7:32 AM  
**To:** Tammy Audette <tammy.audette@redlakewatershed.org>  
**Subject:** Re: Thief River Falls Airport Permit



Permit # 21-045

Status Report: **Approved**

### Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Thief River Falls Regional Airport Authority	13722 Airport Drive Thief River Falls, MN 56701		tel: mobile: fax:

### General Information

(1) The proposed project is a:

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

(2) Legal Description

(3) County: **Pennington** Township: **Rocksbury** Range: **43** Section: **16 1/4: SE1/4**

(4) Describe in detail the work to be performed. **Construction of a cargo apron and hangar. Construction of two filtration basins to treat stormwater runoff.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Improvements are needed to expand airport capabilities and function.**

### Status

Status	Notes	Date
Approved	1 Year Extension	Feb. 4, 2022

### Conditions

**RLWD approves the extension request, the permit will now have a completion date of May 21, 2023. N.J.O.**

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 # 23-016

Status Report: **Tabled**

**Applicant Information**

Name	Organization	Address	Email	Phone Number(s)
Blair Holthusen		62497 Hwy 89 NW Grygla, MN 56727		tel:218-689-1447 mobile: fax:

**General Information**

(1) The proposed project is a:

**Culvert Installation / Removal / Modification**

(2) Legal Description

(3) County: **Pennington** Township: **River Falls** Range: **43** Section: **20** 1/4:

(4) Describe in detail the work to be performed. **Install New crossing.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Need access to land**

**Status**

Status	Notes	Date
<b>Tabled</b>	<b>P.A. #23-016 – Blair Holthusen Pennington County – River Falls Township Section 1 Red Lake Watershed District (RLWD) Tabled due to amount of snow in ditch to accurately inspect the permit. Will revisit in the spring when allowed. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.</b>	<b>March 21, 2023</b>
<b>Received</b>	<b>None</b>	<b>March 8, 2023</b>

**Conditions**

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 # **23-017**

Status Report: **Tabled**

### Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Rick & Lorae Roed		33255 345th Ave SE Fosston, MN 56542		tel:218-686-0263 mobile: fax:

### General Information

(1) The proposed project is a:

**No work type selected.**

(2) Legal Description

(3) County: **Polk Township: Hill River Range: 40 Section: 35 1/4:**

(4) Describe in detail the work to be performed.

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

### Status

Status	Notes	Date
<b>Tabled</b>	<b>P.A. #23-017 – Rick and Lorae Roed Polk County – Hill River Township Section 35 Red Lake Watershed District (RLWD) Tabled due to amount of snow in ditch to accurately inspect the permit. Will revisit in the spring when allowed. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.</b>	<b>March 21, 2023</b>
Received	None	March 6, 2023

### Conditions

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 # 23-018

Status Report: **Tabled**

**Applicant Information**

Name	Organization	Address	Email	Phone Number(s)
Rick and Lorae Roed		33255 345 Ave SE Fosston, MN 56542		tel:218-686-0263 mobile: fax:

**General Information**

(1) The proposed project is a:

**Channel Stabilization or Restoration, Erosion Control, and Other Water Related Facilities**

(2) Legal Description

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

(4) Describe in detail the work to be performed. **Install Grade Stabilization structure and 3 water plus sediment control basins with approximately 2650' of subsurface drain.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Stabilize Erosion and reduce sediment run off**

**Status**

Status	Notes	Date
<b>Tabled</b>	<b>P.A. #23-018 – Rick and Lorae Roed Polk County – King Township Section 1 Red Lake Watershed District (RLWD) Tabled due to amount of snow in ditch to accurately inspect the permit. Will revisit in the spring when allowed. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.</b>	<b>March 21, 2023</b>
Received		March 6, 2023

**Conditions**

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 # 23-019

Status Report: **Approved**

**Applicant Information**

Name	Organization	Address	Email	Phone Number(s)
Beltrami County Highway Department		2491 Adams Ave NW Bemidji, MN 56601		tel:218-333-8173 mobile: fax:

**General Information**

(1) The proposed project is a:

**Culvert Installation / Removal / Modification**

(2) Legal Description

(3) County: **Beltrami** Township: **Benville** Range: **38** Section: **7 1/4**:

(4) Describe in detail the work to be performed. **Replace existing 30" RCP with a 30" CMP**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Road washed out from spring of '22 flood.**

**Status**

Status	Notes	Date
Approved	P.A. #23-019 – Beltrami County Highway Department Beltrami County – Benville Township Section 7 Red Lake Watershed District (RLWD) approval to replace a washed out 30" RCP culvert and install a recommended 30" CMP culvert. Install new pipes (as close as possible) to the same flowline/invert elev. as existing pipe. This is an "after the fact" permit due to the heavy rains we had in April '22 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. Permit Holder shall contact the road authorities when cutting through roads. Applicant shall install appropriate erosion control measures for energy dissipation. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.	March 21, 2023
Received		March 21, 2023

**Conditions**

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 # 23-020

Status Report: **Approved**

**Applicant Information**

Name	Organization	Address	Email	Phone Number(s)
Beltrami County Highway Department		2491 Adams Ave NW Bemidji, MN 56601		tel:218-333-8173 mobile: fax:

**General Information**

(1) The proposed project is a:

**Culvert Installation / Removal / Modification**

(2) Legal Description

(3) County: **Beltrami** Township: **Hines** Range: **None** Section: **20 1/4**:

(4) Describe in detail the work to be performed. **Replace existing 24" CMP with a 36" CMP culvert.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **The road washed out from the spring of '22 flood.**

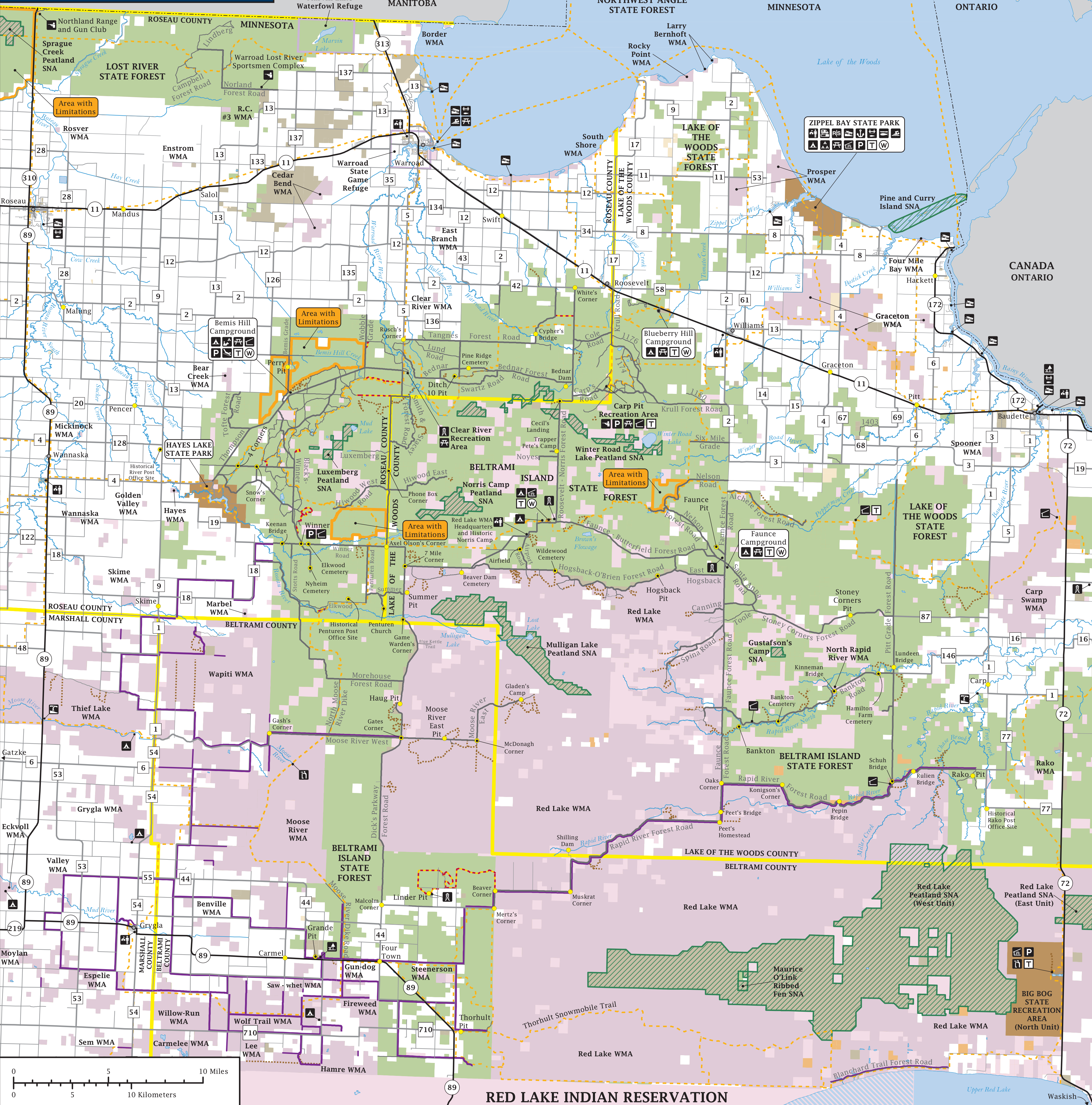
**Status**

Status	Notes	Date
Approved	P.A. #23-020 – Beltrami County Highway Department Beltrami County – Hines Township Section 20 Red Lake Watershed District (RLWD) approval to replace a washed out 24" CMP culvert and install a recommended 36" CMP culvert. Install new pipes (as close as possible) to the same flowline/invert elev. as existing pipe. This is an "after the fact" permit due to the heavy rains we had in April '22 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. Permit Holder shall contact the road authorities when cutting through roads. Applicant shall install appropriate erosion control measures for energy dissipation. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.	March 21, 2023
Received		March 21, 2023

**Conditions**

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.

# BELTRAMI ISLAND STATE FOREST



**Places**

- City
- Landmark or Placename

**Roads and Trails**

- State Highway
- County Road
- Township Road
- Forest Road
- Minimum Maintenance Forest Road
- Off-Highway Motorcycle & Off-Road Vehicle & Class 1 & 2 ATV Trail
- Off-Highway Motorcycle & Class 1 & 2 ATV Trail
- Hunter Walking Trail
- Snowmobile Trail

For more information on snowmobile trails, visit: [mndnr.gov/snowmobiling](http://mndnr.gov/snowmobiling)

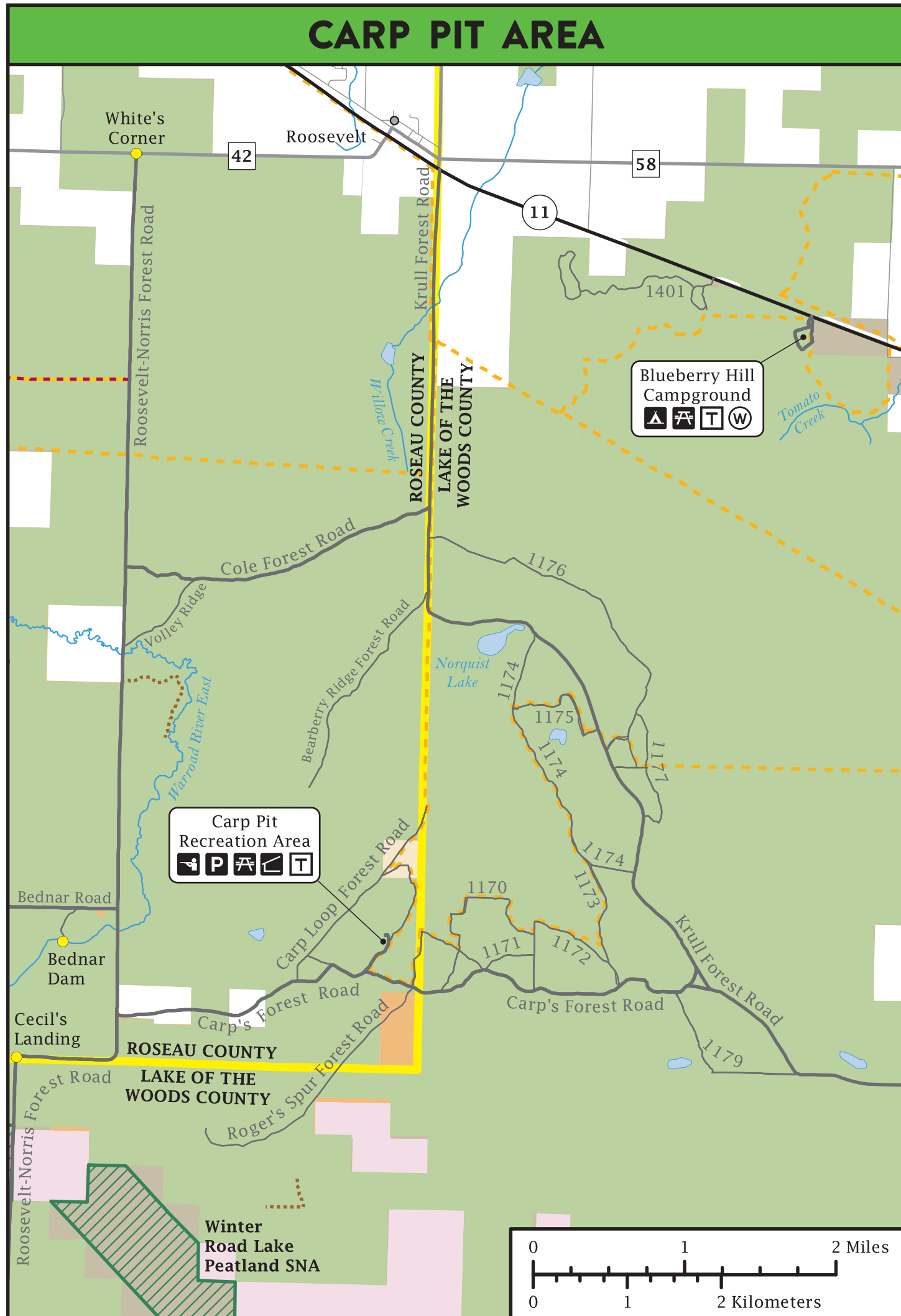
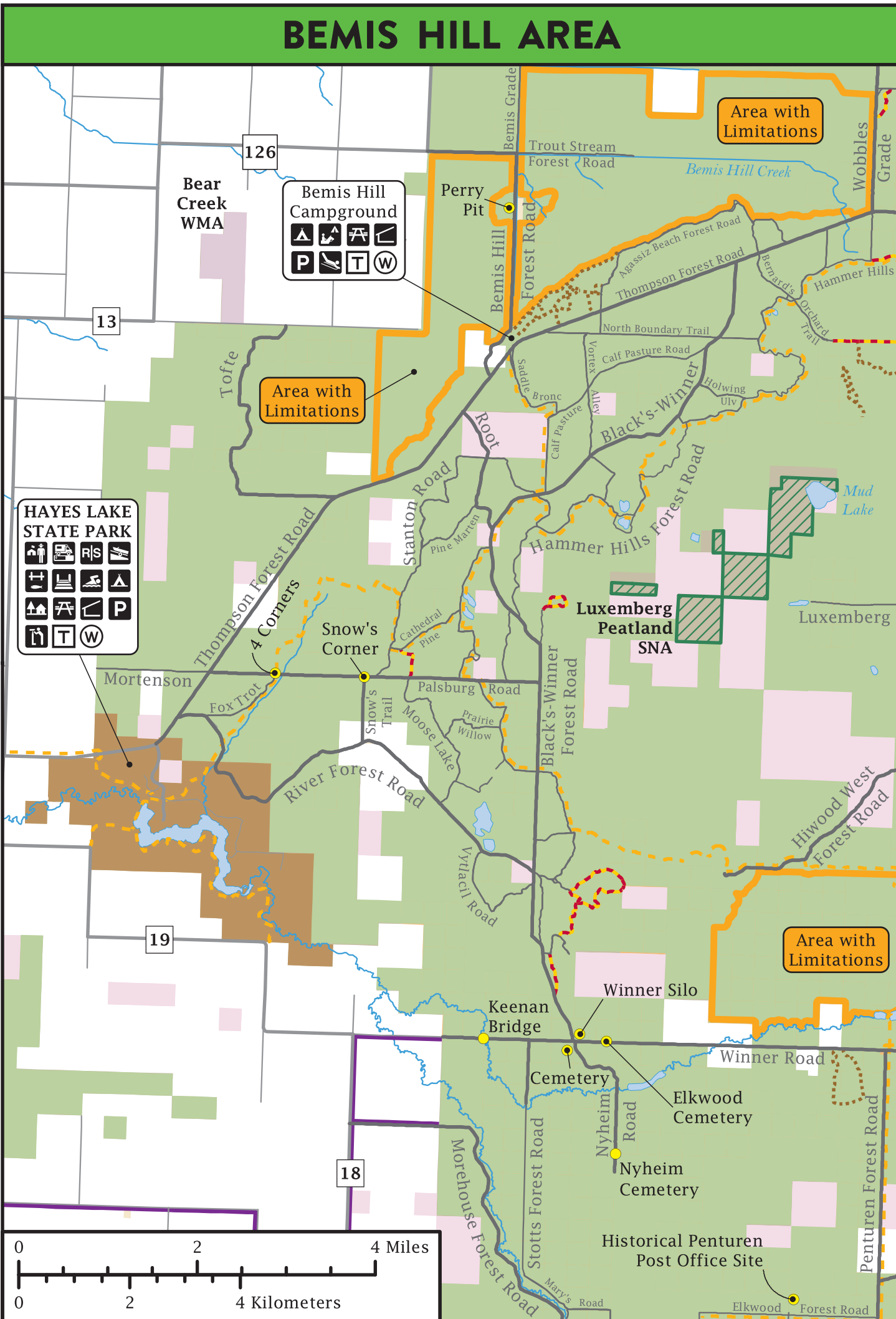
**Public Facilities**

- RV Sanitation
- Restroom with Showers
- Carry-In Access
- Trailer Access
- Marina
- Fishing Pier
- Fish Cleaning
- Dock
- Swimming Area
- Camping
- Group Campsite
- Horse Campground
- Camper Cabin
- Parking
- Day-Use Area
- Picnic Shelter
- Shelter
- Overlook
- Fire Tower
- Shooting Range
- Sledding
- Vault Toilet
- Drinking Water
- Wayside Rest Area
- DNR Office

**Ownership and Management**

- Area with Limitations
- State Game Refuge or Waterfowl Refuge
- Scientific and Natural Area (SNA)
- Wildlife Management Area (WMA)
- State Park or State Recreation Area
- Tribal Land and Water - Not Public - Closed to Non-Band Members
- State Forest Land
- Other State Land
- County Land
- Federal Land
- Private Land

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## Red Lake WMA Focus Group

Date: 3/14/23

Minutes prepared by: Laurinda Brown

Location: Itasca State Park

### Attendance

- Theresa Ebbenga
- Blane Klemek
- Charlie Tucker
- Scott Laudenslager
- Talesha Karish
- Mike North
- Laurinda Brown
- Kerry Ross
- Kelly Straka
- Anthony Alongi
- Craig Sterle
- Doug Franke
- Ted Dick
- Jon Steigerwaldt
- Dale Gentry
- Adam Kokotovich
- Beth Siverhus
- Kristen Blann
- Steve Kolbe
- Peter Dieser
- Ashley Lehner
- Zach Gutknecht
- Brian Dwight
- Greg Kvale
- Gary Drotts
- Scott Johnson
- Gary Huschle
- Ray Higgins

## Group Discussion

### Planning Process

Old plan should be available to public.

Timeline is too short.

Long-range goals are good; goals were changed in Whitewater WMA plan at the last minute, hunting was dropped.

Open houses should be centrally located.

Need a good map online.

Concerned with public land management—understand deadlines are based on FWS and grants, 10 year plans are going to accomplish what USFWS needs in order to have us stay in compliance with the grant requirements—that is not necessarily what the public wants out of these plans. Public wants process to continue after deadline is met. Public wants to be educated and informed. Would like to see results of user survey.

*10 year period start upon plan signature*

Amendments are possible if things are missed; used to have LUP citizen input, are considering having a Red Lake WMA advisory committee.

LUP had a citizen input panel, but an advisory committee would violate policies. Would not have an issue like this for state land.

Want to thank the department for the precedent-setting of having public input/scoping upfront.

### What brought you here today?

Should have some old age forestry, so much of wildlife management is geared at young stages for diversity, but we should have some areas set aside as old growth, red pine, jack pine, black spruce. The managers will do what is right for wildlife and recreation, but the decisions regarding the WMA should be in the hands of the managers and not forestry.

Forest health, wildlife habitat, should be a diversity of age classes that are ecologically appropriate/guided, interspersed desired. Using timber industry is important to achieve this, but how much and where is important to include in the plan and should be ecologically guided.

Scale of WMA is impressive, “sense of place”, framed by statutes of outdoor recreation system, we do not manage for everything at every property, we need to frame how we are preserving and managing wildlife, and the habitats that go with them.

Not concerned about specific habitat issues, wants process to be open and honest as a first step part of the process, so you understand where the users come from.

Need to pay attention to the hydrology, has an impact on your neighbors, DNR used to have a good neighbor policy, some flows coming out of there now need to be paid attention to. Ditch abandonments, etc. Not sure people have an appreciation of the patterned peatlands, should include an educational component/outreach. Doug puts on sessions at the recreation area. Outline of plan would be useful to identify areas that could be addressed to take care of local questions.

1W1P need to hit some requirements from statutes, good neighbor, want to achieve both goals from both plans

Forest Products Industry, understand current inventory, understand desired conditions, how to put into context within the landscape as a whole, manage for forest health for future generations, balance age classes, using timber harvest when possible to achieve goals.

Look at timber harvest as a tool in the toolbox to meet a lot of goals, including forest health and wildlife.

Balancing age classes should only apply at an all ownership, statewide basis; not appropriate within a WMA. Two different missions. WMA planning should be done for wildlife habitat and recreation and not necessarily the balance and use of timber as a resource. WMA's are not a multi-use area. Timber harvest should be a tool, not a goal.

Want to represent diversity of wildlife on the WMA, not just game species. Part of a globally important birding area, numerous species of conservation need, boreal forest ecosystems.

Diversity of birds, protect habitat, Red Lake WMA is like the Sax Zim of NW MN without crowds and locals. Promote orchids that are found there and the value of them.

Forest management and native communities and birds and species, want to be constructive in helping the on the ground staff producing plan, meeting the needs of the WMA. Expanding outreach and recreational opportunities. Increase the appreciation of what Red Lake WMA has to offer. Peatland hydrology, understanding it better in terms of ecosystem service benefits, climate change, restoration of natural hydrology to benefit local and downstream habitat.

Avian ecologist at UMD, representing avian scientists, advocate for ecologically backed management, spend time tracking SGCNs, Red Lake WMA is a gem from an ornithological perspective, forest peatlands (black spruce and tamarack) harvest has not been as a tool but more as a blunt instrument, birds respond negatively to traditional harvest methods, need more emphasis on important wildlife species using the WMA.

## **Break**

### **What would you like to see addressed in the plan?**

Moved past wanting to put impoundments on the WMA, need to recognize natural water holding capacities of the habitats. Forestry practices on the WMA should be a tool of the wildlife managers and not be done to meet timber goals.

More information about desired conditions, more about what you anticipate in the desired conditions so that a stakeholder can know that it's not up to whim, where it's going and how it will be accomplished.

Would like to see iconic indicator species really highlighted in this plan, moose and great gray owl. Still a chance to recover moose populations here.

Consider climate impacts, specifically during the 10 year period, but also beyond. How to become more adaptable. Carefully define desired future conditions, design what habitat development needs to take place to get to those desired conditions. Look at staffing, budget, and fleet needs to get to that place. Need to take a step back and look at landscape level context to make sure you're moving in the right direction.

All natural resource management is a business—staff, facilities, budget. DNR should show summary of DNR budget, what was used on Red Lake WMA in the past 5 years. Most game and fish positions in the field, plan needs to show how we are going to make this a shining unit for the region, and what do we need/what partners do we need to make this happen.

LGUs need to put into plans a review of their long range plan every 5 years. Recommend state plans follow the same requirement. Doesn't need to be exhaustive external exercise. This is a flagship WMA. Hydrology is important.

Red Lake WMA is unique, incredible opportunities for extremely high quality recreational opportunities, habitat for game and nongame species, need to be very intentional about focusing management efforts within the context of the WMA, not reactive. A strategic look at what is ecologically and biologically the most important in the area. Without that, what makes the jewel shine is lost. Important research and BMPs get updated regularly with specific site level considerations, so the ability to take those into account and take that look at what the WMA can contribute is essential.

Avoid the generalities used in the WWMA Master Plan. Be specific, this is an exercise in numbers. We do what we measure. That means we also want good make sure the plan has measurable metrics, and this will drive adjustments and future direction.

*These are 10 year plans that should be at a high level strategic plans. Details go into the annual work plans.*

Needs to be commitment by the DNR to include citizens in the biennial work plans. Partners are the ones who are going to get us the money, but they need to be on board with what we're planning to do.

Need to identify a measuring stick, desired conditions in 1W1P needs to be specific (ex. reduction of flow), support the higher level but then focus in biennial plans.

WMA has a long history of posting good research, should continue to be open to great research issues, need to address maintenance and upkeep of Norris Camp facilities because they are key to good research.

In addition to what I mentioned before about protecting/preserving/managing habitat for birds, wildlife, and rare plants (orchids) the MN DNR needs to adequately staff the Red Lake WMA. There are numerous opportunities to further educate and introduce the public to this unique area, but it can't be accomplished without enough staff.



*DNR has been chronically understaffed since Gretchen retired. Will hire a wildlife tech and an assistant manager.*

Much work is done through TNC, RGS, take advantage of that, government wants to see funds routed this way rather than hiring more permanent staff. Need to include budget specifics to get that. Trying to improve on format of plan. Need to realize that we have more info than we need, try to keep it simple, manage for suites of species, define wildlife needs and timing of timber management needed to get it. Use the GAP analysis.

Priorities help guide NGOs. Manage for X, Y, Z in management area A. Help identify where WMA needs overlap with needs of partners. These plans show where priorities align.

Timber management was underutilized on the WMA. Forest industries thought state could support 1 mil cords, STHA shows 870. Forest industry doesn't care where that comes from. Happy to hear it being referenced as a tool. Good for forest health, economy, etc.

STH is not being used as it should, needs to be incorporated into all WMA planning processes.

### **What specific objectives do you want to see in the plan?**

Check with the different watershed districts for modeling, they could help identify what modifications could be helpful for downstream impacts. Some of the sources of their issues are coming out of the WMA.

Encourage reaching out to Natural Resource Research Institute, avian response via point counts, would like to see some of that make it into the plan to embrace the research and use it to identify priorities. Easy to get public input but need to emphasize that the local staff have the best perspective of what's important.

Using forest management to manage for wildlife but that's where it ends, advocate for having pre-data but also mechanisms built in for monitoring how management affects target and nontarget species.

When we have objectives under goals, it will be part of final review process. What is the timeline? The sooner we could have those documents, the sooner we could provide feedback.

*Project timeline is condensed and is not ideal and changes often. As of today, draft will be out for public review the 1<sup>st</sup> week in May, with public meetings in mid-May.*

Many objectives have been identified already. When can stakeholders see them? Want to be included in process.

Parks uses a good planning structure. Need to identify minimum standards. Red Lake WMA is its own allowable cut unit. That should be put into the plan. Manage for NPCs but still need to live by STH numbers.

Important to have timber harvest as a tool and not an objective. Essential for habitat management, but need to be able to decide what to do with it rather than try to figure out how to meet harvest goals. The two aren't that far apart.

Should be a table showing land acquisition status within a WMA. All lands are not treated equally, all have different requirements for what we can do.

## **What type of continued communication/involvement do you prefer?**

Tell us what you need from us. We're all involved in a lot of committees, future coordination needed to ensure overlap. Eventually it comes down to 1:1 conversations. Look for partnership opportunities.

Engaged group wants to stay engaged and deserved to stay engaged. Leech Lake advisory committee. Money has been leveraged through the org to acquire critical habitat.

LUP input committee was a good resource. Attendance did not fall off over the years but it is a burden on the managers. Maybe have it be a biennial meeting (in-person) to align with biennial work plans.

Section of wildlife is looking at how to do a system-wide planning for WMAs/AMAs. After hours session at Roundtable looked at doing a landscape basis plan for WMAs and then have that be the driver.

I would say continued involvement after the plan is done. Mostly asking how we can help and positively contribute.

Email lists

## **Last Remarks**

Can we get a list of planning team members and their roles?

## **Adjourn**

Christina Traner  
1602 Summerfield Dr #22  
Crookston, MN 56716

March 22, 2023

Red Lake Watershed District  
1000 Pennington Ave S  
Thief River Falls, MN 56701

Dear Myron and Board of Managers,

Please accept this letter as my formal resignation from my position as Natural Resource Specialist at the Red Lake Watershed District effective April 1<sup>st</sup>, 2023.

I appreciate the opportunities for growth and development you have provided during my 5.5 years of working for the Red Lake Watershed District. Thank you for your guidance and support.

Please let me know how I can be of help during the transition period. I wish you all the very best going forward and I will greatly miss this work place I have come to call home.

Sincerely,



Christina Traner

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

**March 23, 2023**

**Red River Watershed Management Board** – LeRoy and I attended the Red Board meeting held at 10:00 am March 21, 2023 in Ada. After considerable discussion, the RRWMB approved funding 50% of the costs the application, survey and costs estimates required by LCCMR for the new ring dike grant agreement. This cost share is based on if for whatever reason the ring dike application is denied and can't be funded by the grant.

**Drainage Workgroup Meeting** – I attended the Drainage Workgroup (DWG) meeting which was held at 9:30 am Monday March 20, 2023, at the Douglas County Public Works meeting room in Alexandria. This was the first meeting for the DWG sub-committee as it relates to Adequate Outlet for drainage systems. Our next meeting will be held April 24, 2023, at the same location.

**River of Dreams** – Christina will be attending the River of Dreams meeting held at Challenger Elementary School in TRF. River of Dreams is a watershed-based program for elementary students that introduces them to watershed terminology and how their subwatershed fits into the Red River Basin. The International Water Institute (IWI) created and implements this program with support from the Red River Watershed Management Board and local watershed districts across the Red River of the North Basin. Staff from the Red Lake Watershed District helps teach the curriculum to many schools throughout the Red Lake Watershed District. The program is typically done in two classroom visits.

**Red Lake River 1W1P** – Yesterday we were informed by BWSR that the financial reconciliation for the period 07/31/2022 through 12/31/2022 has been completed. Thanks to Ann, Corey and Peter Nelson for all the hard work in getting BWSR the information needed for the required audit.

**Clearwater River 1W1P** – There will be a Policy Committee meeting for the 1W1P held at 9:00 am March 29<sup>th</sup> at the Clearwater County Commissioners room in Bagley. Corey and I will be attending virtual as we have other commitments that will prevent us from attending live but I believe Tom, Terry and Christina will be attending live. I have included in your packet the agenda for the upcoming meeting.

**Thief River 1W1P** – The Policy Committee meeting met on Monday March 13<sup>th</sup> at 9:00 am. Some of the highlights of the meeting was to review budget remaining from the 2020 grant as well as projects identified in the 2022 grant agreement.

**Clearwater River – Winton Trail** – Corey and I attended the technical meeting (virtual) held March 9<sup>th</sup> in Bemidji. We attended the meeting to keep informed by listening to questions from the public and local governmental units. This project is very early in the process but there has been considerable recon work to assist in providing information and alternatives to the public. This project was initiated by Beltrami County SWCD who applied for a BWSR grant to assist in the costs for a study that is presently being completed. If this project materializes into something that would affect the District, we will bring this back to the Board at a later date.

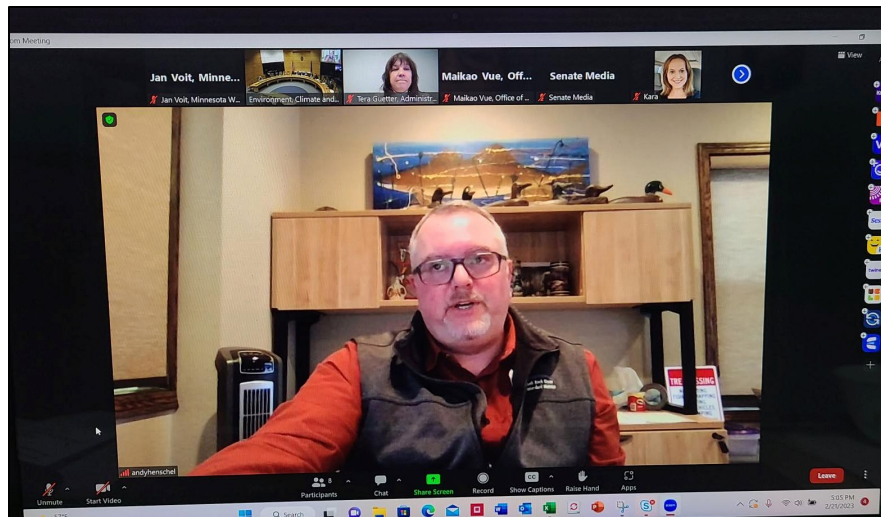
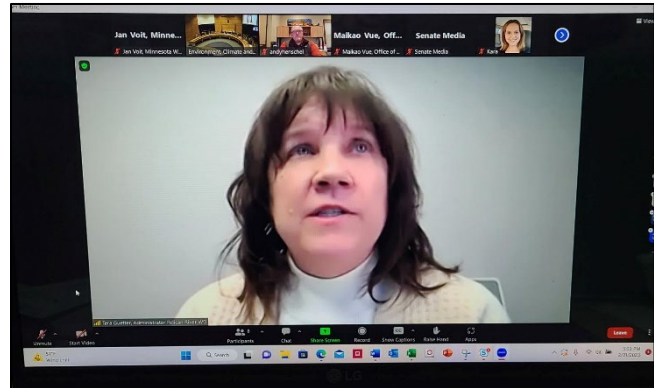
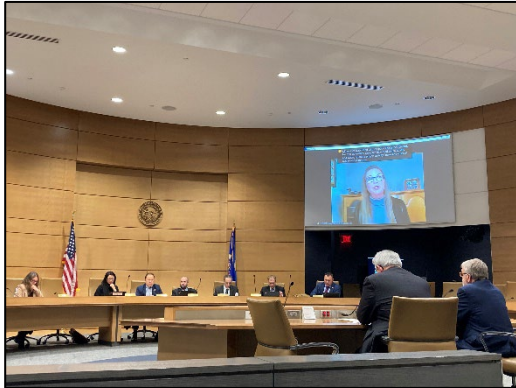
**Minnesota Watersheds** – I have included in your packet, the Minnesota Watersheds Legislative Update for February and March 2023.



# Minnesota Watersheds

2023 Legislative Session  
Legislative Update  
February and early March, 2023

On February 21, the general levy bill was heard in the Senate Environment Committee. Tera Guetter, Pelican River WD, Andy Henschel, Shell Rock River WD, and Jan Voit, Minnesota Watersheds testified on behalf of Minnesota Watersheds. The bill was sent to the Senate Tax Committee.



Our first legislative committee deadlines are here and by the end of this day will be pass. The first policy committee deadline is March 10. All policy-only bills needed to be acted on favorably by all committees having jurisdiction in one body or the other by that date in order for it to still be eligible for further consideration by either body. The final deadline for finance bills is April 4.

Presently there are 2826 bill introductions in the House and 2798 in the Senate. These are clearly record numbers of bill introduced for this point in any session. As a result, it has been difficult to process bills and get them introduced because the revisor's office has been backed up most of the session. It is just now beginning to loosen up.

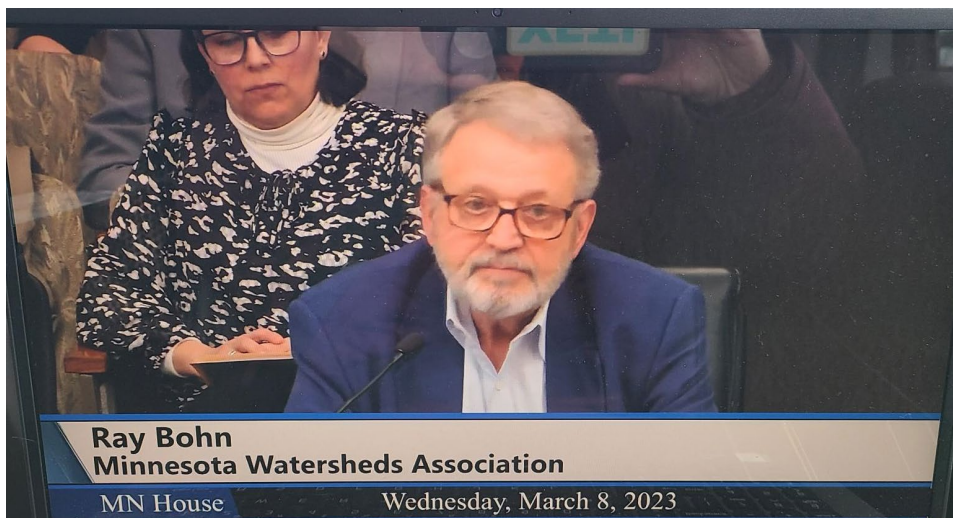
The state budget process has begun in earnest. After this first deadline the focus will narrow, and more time will be given to the budgetary process in both bodies. As finance committees ramp up hearings on the governor's budget recommendations for each department and agency hearing time will reduce to consider other bills in the committees.

In a typical session both bodies would have ramped up their meetings and time. Unfortunately, that does not appear to be the process for policy bills in all committees this session, although it did pick up the last few days.

[HF669 Lee/SF670 Pappas](#): The House capital investment bill (bonding bill - \$1.9B) and capital investment cash bill (393M) were both passed by the House this week. The Red River Valley watershed projects received \$5M. Shell Rock River WD received \$9 M for their Fountain Lake project. Lower MN WD also received \$2.8M for their project.

The Senate GOP has already announced that they will not support any bonding bill until there is a tax reduction first. Because the bonding bill needs a 3/5 majority, a final bonding bill will not be passed in the Senate until later in the session unless some sort of agreement can be made. A cash only capital investment bill may get acted on sooner because it would only require a simple majority vote.

The drainage registry bill was introduced very late and put on the agenda in the Environment Committee in the House. It was heard on the afternoon of March 8 and laid over for possible inclusion in their omnibus bill. Minnesota Watersheds and the Association of Minnesota Counties did testify against this proposal. We advocated that passing the bill would do damage to the Drainage Work Group process and the legislature would not be dealing with consensus recommendations. To our disappointment, the Board of Water and Soil Resources (BWSR) did not testify, thus did not defend the process they have helped develop over the years. Also disappointing was the lack of farm groups present to testify. While they did submit written comments, it would have made for a stronger message with them front and center. The bill really does not fix anything without agreement. The Senate file was introduced last week as well.



Following is an update on our legislative initiatives and other bills of interest to date and their pending status.

### **Minnesota Watershed's Initiatives**

[HF1393 Fischer/SF1608 Weber](#): Watershed district general fund tax levy maximum amount increased to \$500,000. Heard in the Senate Environment Committee and passed to the Senate Taxes Committee for final action.

[HF820Tabke/SF755Morrison](#): Certified Salt Applicators Program established, liability, and report required. Minnesota Watersheds supports this legislation. Heard in Senate Environment Committee and re-referred to the Senate Judiciary Committee. Not heard in the House committee yet.

[HF 1828 Hansen/SF1983 Hawj](#): Legislation to clarify watershed district authority (Sect. 11) to construct a project on manager's authority under 103D.605, Sub. 5. Included in BWSR technical bill. This bill was heard on March 9 in the Senate Environment committee and was passed to the floor.

[HF669 Lee/SF676 Pappas](#): bonding bill; appropriating money for improvements of capital nature with certain conditions. HF669 was recently heard and passed by the MN House floor. The House also passed a "cash only" capital investment bill as well (\$393M).

Total spending from the bonding bill was over \$1.9 B. Senate bill has not made it to the floor yet for action. Senate GOP has already announced that they will not support any bonding bill until there is a tax reduction first. Because the bonding bill needs a 3/5 majority, a final bonding bill will not be passed in the Senate until later in the session unless some sort of agreement can be made. A cash only capital investment bill may get acted on sooner because it would only require a simple majority vote.

Funds in HF669 bill for WDs: \$5,000,000 for FHM Red Board Projects, \$2.8M Lower MN WD stabilize riverbank, Shell Rock River WD \$9,000,000 Fountain Lake cleanup.

[HF670 Lee/SF677 Pappas](#): Cash capital investment bill totaling \$393M. Project Appropriations: Area II FHM \$1.5M.

BWSR Funding: \$12M for wetland road replacement, \$10.7 M RIM Reserve Program.

#### **RRWMB Legislation**

[HF1096 Keil/SF876 Green](#): \$163,000 each year for the Red River of the North River Watch Program appropriation (From the CWF).

[HF1245Keil/SF1033Kupec](#): A bill relating to natural resources; appropriating money to implement the Red River Mediation Agreement. \$300,000 each year from CWF.

#### **Legislation Opposed by Minnesota Watersheds**

[HF2354 Pursell/SF 2679 Xiong](#): Drainage registry information portal established, and money appropriated. Referred to Environment Finance/Policy committee in the House. The HF was heard in the Environment Committee on March 8 and laid over for possible inclusion in their omnibus bill. SF has not been heard by the Senate Environment committee. We, along with several stakeholders are watching to see if a Senate hearing will be held.

#### **Legislation Supported by Minnesota Watersheds**

[HF735 Rever/SF526 Klein](#): A bill to fund SWCDs at \$22 million annually (instead of the Clean Water Fund) has been introduced and heard in the House and Senate Taxes committees. The Governor's budget recommends \$12 million per year. Minnesota Watershed testified in support of the legislation. Appears to have strong support for inclusion in the taxes bill.

#### **Legislation of Interest to Minnesota Watersheds**

[HF794Torkelson/SF541Dahms](#): A bill relating to capital improvements: appropriating money for flood hazard mitigation in Area II in the MN River Basin; authorizing state bonds. \$1.5M.

[HF2310/SF2438](#): Environment and natural resources. Governors proposed budget for DNR, MPCA, and BWSR, along with various policy proposals.

[HF1338 Fischer/SF1918 Hawj](#): Legislative Water Commission reestablished and appoints provided. This once existing commission's funding was cut last biennium, so the LCC funded it by re-establishing it as a sub-committee of the LCC for the present biennium. This bill would make the Commission permanent.



<b>Clearwater River Watershed</b> <b>One Watershed, One Plan</b>	<b>Policy Committee Meeting</b> Meeting #14	<b>Date: March 29, 2023</b>
		<b>Time: 9:00am-10:30am</b>
		<b>Location: Clearwater County Courthouse Board Room/Microsoft Teams</b>

**Staff Support:** Chester Powell

**Note taker:** Chester Powell

**Policy Committee:** Mark Larson, John Gunvalson, Neil Peterson, Darryl Tveitbakk, Greg Hilgeman, Joan Lee, Ron Weiss, Mark LaCross, Tom Anderson, Terry Sorenson

**Invitees:** **SWCD Staff:** Chester Powell, Tanya Waldo, Peter Nelson, Rachel Klein

**RLWD Staff:** Myron Jesme, Corey Hanson, Christina Slowinski

**BWSR Staff:** Brett Arne – Board Conservationist, Henry Van Offelen-Clean Water Specialist

**Pre-work:** Review: Minutes, Cost Share Policy

## Agenda Items

Topic	Purpose	Presenter	Time allotted
✓ Agenda and Last Meeting Minutes	DECISION	Policy Committee Chair	5 min.
✓ Policy Committee Officer Elections	DECISION	PWG Coordinator	15 min.
✓ Implementation funding	Discussion	PWG Coordinator	10 min.
✓ Budget/s	Discussion	PWG Coordinator	20 min.
✓ Planning Grant Extension	DECISION	PWG Coordinator	10 min.
✓ Cost Share Policy	DECISION	PWG Coordinator	15 min.
✓ Next Meetings	DECISION	PWG Coordinator	15 min.

## Microsoft Teams meeting

[Click here to join the meeting](#)

Meeting ID: 239 791 002 217

Passcode: zZ6uSo

**Or call in (audio only)**

[+1 202-650-0123,,702577393#](tel:+12026500123702577393) United States, Washington DC

Phone Conference ID: 702 577 393#