AGENDA

Eau Claire County

• Committee on Parks & Forest •

Monday, November 13, 2023, 5:00 p.m.

Room AG 103 and 104

Join from the meeting link.
https://eauclairecounty.webex.com/eauclairecounty/j.php?MTID=mb2ee3476e25aa45fe87d26ec81fd9c9e

Join by meeting number.
Meeting number (access code): *2533 733 9036*
Meeting password: *FHjpf6jjK72*

For those wishing to make public comment, you must e-mail Kimberly Watnemoe at Kimberly.watnemoe@eauclairecounty.gov at least 60 minutes prior to the start of the meeting. Comments are limited to 3 minutes per person and 30 minutes maximum for the public comment period.

1. Call to Order and Confirmation of Meeting Notice

2. Roll Call

3. Review/Approval of Committee Minutes - Discussion/Action
    a. October 9, 2023
    b. October 16, 2023
4. Public Comment

5. Approve 2023 Fall Timber Sales - Discussion/Action

6. Approve 2023 Fall Timber Extensions - Discussion/Action

7. UWEC Nordic Ski Club Event Request for Tower Ridge January 20, 2024 - Discussion/Action

8. Curling Club Request to Install and Help Fund Dehumidification Unit at Expo Center - Discussion/Action

9. Kickin Kids 2024 Request to Host Free Ski Nights on Mondays at Tower Ridge - Discussion/Action

10. Review Results from Lake Altoona Bacteria Study, Matt Steinbach Health Department - Discussion/Action

Prepared by Kimberly Watnemoe, Parks & Forest

Please note: Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through sign language, interpreters or other auxiliary aids. For additional information or to request the service, contact the County ADA Coordinator at 839-4710 (FAX) 8391669 or (TDD) 8394735 or by writing to the ADA Coordinator, Human Resources Department, Eau Claire County Courthouse, 721 Oxford Ave., Eau Claire, Wisconsin 54703.

11. Ordinance 23-24/054 to Reletter 16.30.005 of the Code I through BB. To J. Through CC: Definitions; To Create Section 16.30.005 M. of the Code; Definitions; to Amend Section 16.30.140C. of the Code; Vehicular Traffic - Discussion/Action

12. Ordinance 23-24/050 to Amend Section 16.02.020 of the Code: Restriction on Timber and Pulp Cutting – Eau Claire County Forest - Discussion/Action

13. Use of Contingency Funds and Application for Wisconsin Municipal Dam Grant to Make Repairs to Lake Altoona Dam - Discussion/Action

14. Skills Park Naming Policy - Discussion/Action

15. Interdepartmental Rental Fees and Charges Policy - Discussion/Action

16. Director's Report

17. Future Committee Meetings and Items for Discussion

    Next Meeting – December 11, 2023, at 5 pm

18. Adjourn

Prepared by Kimberly Watnemoe, Parks & Forest

MINUTES

Eau Claire County

• Committee on Parks & Forest •

Monday, October 9, 2023, at 5:00 p.m.

Eau Claire County Expo Center

5530 Fairview Dr., Eau Claire, WI –Building E Meeting Room

Members Present: Joe Knight, Missy Christopherson, Tami Schraufnagel, Jodi Lepsch, Dane Zook

Others Present: Josh Pedersen – Director, Jody Gindt – Supervisor, Kimberly Watnemoe – Administrative Specialist III (Committee Clerk), Todd Johnson – Park Manager, Kyle Johnson – DNR County Forest Liaison, Tim Wucherer - CORBA, Laura Plummer – CORBA, Rhonda Van Dong, Viet Van Dong, Dale Sonnenberg – CORBA, Rachel Hart-Brinson – UW Extension Eau Claire County, Jeff Goodland

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Call to Order Committee on Parks & Forest and confirmation of meeting notice

Chairman Knight called the meeting to order at 5:00 p.m and confirmed public posting of the meeting.

Public Comment

No members of the public wished to make a comment.

Review of September 11, 2023, Committee Meeting Minutes

Supervisor Christopherson motions to approve the minutes from September 11, 2023. All in favor.

CORBA Presentation on Different Classes of Electric Bikes

CORBA member Laura Plummer gave a Power-Point presentation on the different classes of electric bikes and why it may be beneficial to allow them within the parks, specifically class one electric bikes. The Committee then went outside to look at different varieties of electric bikes that CORBA had provided for viewing.

Policy of Electric Bikes in Eau Claire County Parks

Discussion among Committee members, Director Pedersen, and Supervisor Gindt about electric bikes in the County Parks. The consensus was to allow class one electric bikes within the parks, not class two or three, but it's hard to enforce that. However, new signage could be posted noting only class one electric bikes are allowed and depend on bikers to utilize the honor system.

Supervisor Christopherson motions to allow class one bikes in County Parks and to allow for the change to the code. All in favor. Additional voting will be needed at the next Committee meeting to officially apply for change to the code.

Naming Right for Skills Parks at Lowes Creek County Park

Tim Wucherer from CORBA spoke about naming rights on the new Skills Park at Lowes Creek County Park. He proposed allowing donors the ability to name a portion of the Skills Park that they had donated to. In the past, they had to get Committee approval every time and he was asking to save all approval until the end of funding, allowing CORBA to make those immediate decisions.

Supervisor Zook motions to postpone discussion until the November meeting until better input is given, including advice from the Corporate Counsel. All in favor.

Policy on Interdepartmental Rental Fees and Charges

Director Pedersen spoke first giving some background on who is charged a fee to utilize the Expo Center. Currently, they do not charge County departments, but there is a blurred line on where that reach stops. Rachel Hart-Brinson from UW-Extension then spoke about allowing 4H to use the facilities, mainly outside for the group's programs. She expressed that other counties are not charged and as 4H would not exist without UW extension, she wanted the group to be exempt from being charged a fee.

Supervisor Lepsch motions to bring this issue to Corporate Counsel for policy development on interdepartmental and governmental rental fees for County facilities. Revisit this at the November Committee meeting. All in favor.

Review 2024 Capital Budget Request

Committee members asked staff to go over capital requests that were not approved in the administrators recommended budget. Director Pedersen, Supervisor Gindt, and Park Manager Johnson expressed the need for a boat to help pull buoys and other lake maintenance, as well as a car hauling trailer to be added back into the 2024 Capital Budget. The boat cost $25,000 and the trailer $7,000. Supervisor Zook will write up an amendment to put these items back into the budget for next year.

Director's Report

Josh Pedersen gave a brief report about the newest employee to the department and an update on winterizing all buildings.

Future Parks & Forest Committee Meetings and Items for Discussion

Next Parks & Forest committee meeting date is set for November 13, 2023, at 5:00 p.m.

Committee on Parks & Forest Adjournment

The Committee on Parks & Forest adjourned at 6:47 pm.

Respectfully Submitted by,

Kimberly Watnemoe
Committee Clerk
Administrative Specialist III

MINUTES

Eau Claire County

• Committee on Parks & Forest •

Monday, October 16, 2023, at 5:00 p.m.

Agricultural and Resource Center

227 1st Street West, Altoona – Room 120

Members Present: Joe Knight, Tami Schraufnagel, Jodi Lepsch, Dane Zook

Others Present: Josh Pedersen – Director, Kimberly Watnemoe – Administrative Specialist III (Committee Clerk), Kyle Johnson – DNR County Forest Liaison, Jake Tumm – Forester, Erika Gullerud – Financial Analyst, Kevin Stelljes – Land Stewardship Committee Member, Jason Symanski – Finance Director

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Call to Order Committee on Parks & Forest and confirmation of meeting notice

Chairman Knight called the meeting to order at 5:00 p.m. and confirmed public posting of the meeting.

Public Comment

No members of the public wished to make a comment.

Review Anderson Property for Potential Offer to Purchase

Stelljes spoke about the history of the land and gave some additional background as to why we called this special meeting. He proposed the Parks and Forest Department make an offer on the western half of the Anderson Property for $584,725. Not only would it allow the county forest land to grow, but it would also allow for better blocking of the existing county forest land and access to land that is currently landlocked. Now that the eastern half has sold, Stelljes believes the appraised value and the asking price would be within a similar ballpark figure.

Director Pedersen spoke about the potential revenue that would come from upcoming timber sales on the property, which contains high value Red Pine plantations. Stelljes also covered a plan for how the project could be funded, by utilizing the Knowles Nelson Stewardship grant, applying for an interest free County Forest Loan, funds from forest land acquisition fund, and donations and funds from the Land Stewardship Fund.

Supervisor Lepsch motions to approve allowing Stelljes to present a draft offer to the seller with Director Pedersen allowed to make small offer letter changes. Any larger changes (i.e., price and earnest money changes) would need to be returned to the Committee on Parks and Forest; with the formal offer reviewed and final draft sent to the Corporate Counsel for final review. Motion passes 3 to 1 with 1 absent.

Future Parks & Forest Committee Meetings and Items for Discussion

Next Parks & Forest committee meeting date is set for November 13, 2023, at 5:00 p.m.

Committee on Parks & Forest Adjournment

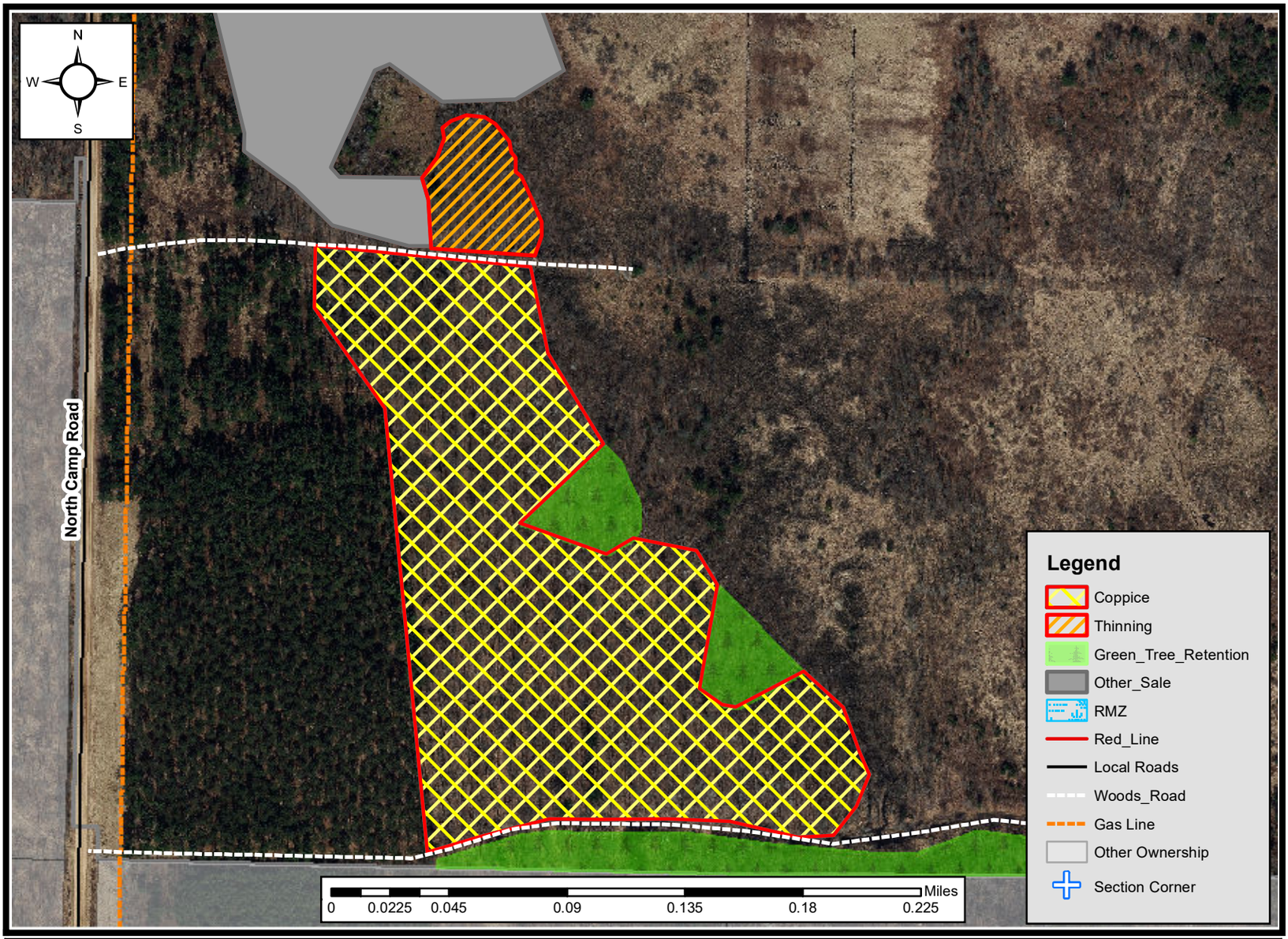
The Committee on Parks & Forest adjourned at 5:54 pm

Respectfully Submitted by,

Kimberly Watnemoe
Committee Clerk
Administrative Specialist III

Eau Claire County Forest

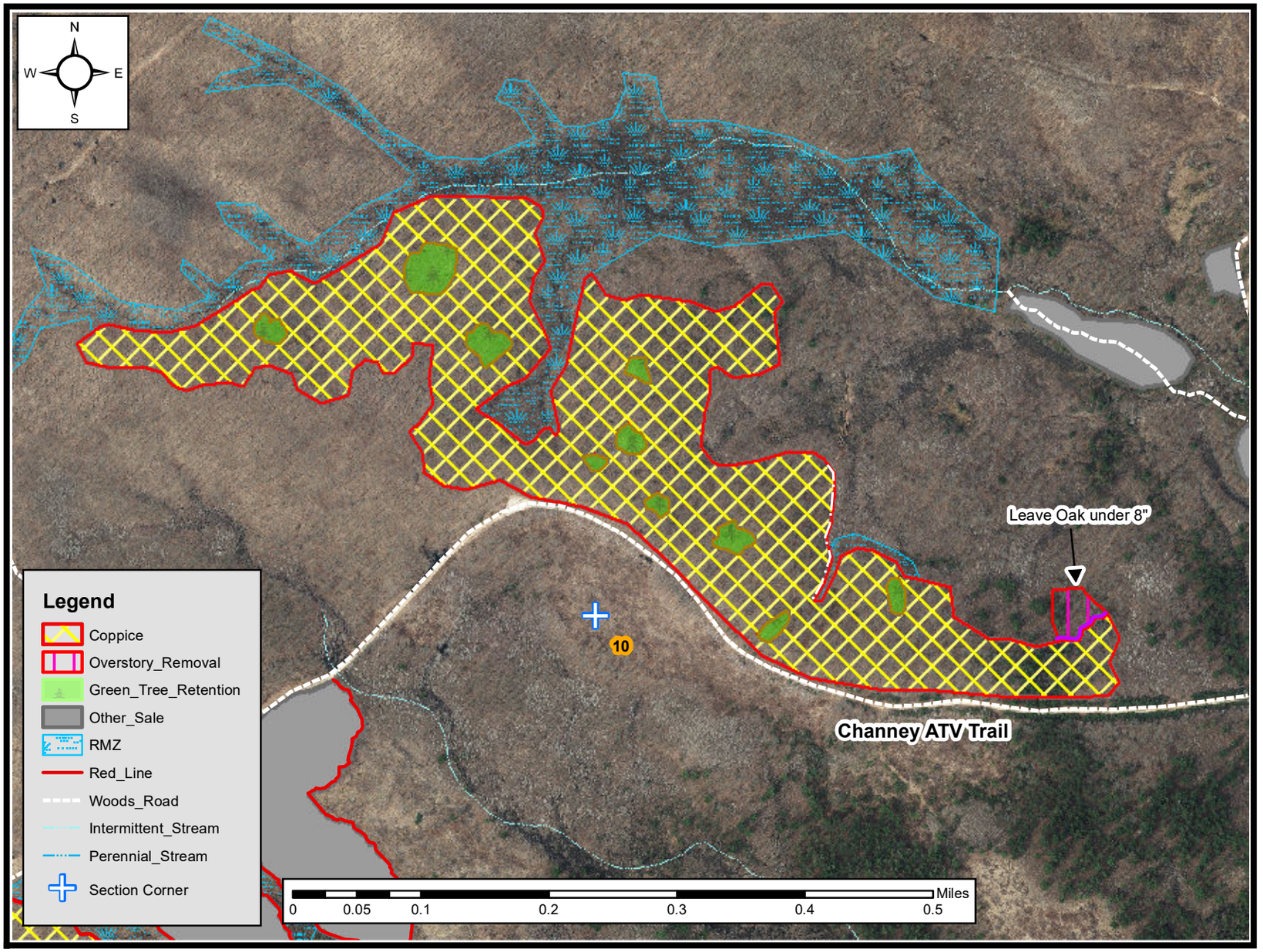
Sale Name:	Doe a Deer		Tract Number: 9-23	Estimated Volumes			
Twp: 25N	**Range:** 5W	**Section:** 25	**Township:** Fairchild	**SPECIES**	**Pulp (tons)**	**Bolts (tons)**	**Logs (MBF)**
Compartment: 1		**Stand:** 18 and 28					
Soil: Sandy Loam		**Topography:** Slightly Rolling					
Acres: 16		**Timber Sale #:**					
Notes:				**Sale Minimum Bid:**	$		



	Cutting Specifications:
1.	Sale is delineated by red paint and woods roads
2.	No equipment or slash is allowed within the Green Tree Retention areas or RMZ
3.	Sale is limited to dry or frozen conditions. No harvesting or road building from April 1st to July 15th due to Oak Wilt
4.	**Coppice: Harvest all stems 1 inch and larger except trees marked with green paint and islands**
5.	**Thinning: Leave all Oak, harvest all other merchantable trees**
6.	All roads and landings must be approved by the sale administrator
7.	All slash must be lopped and scattered within 2' of the ground

Eau Claire County Forest

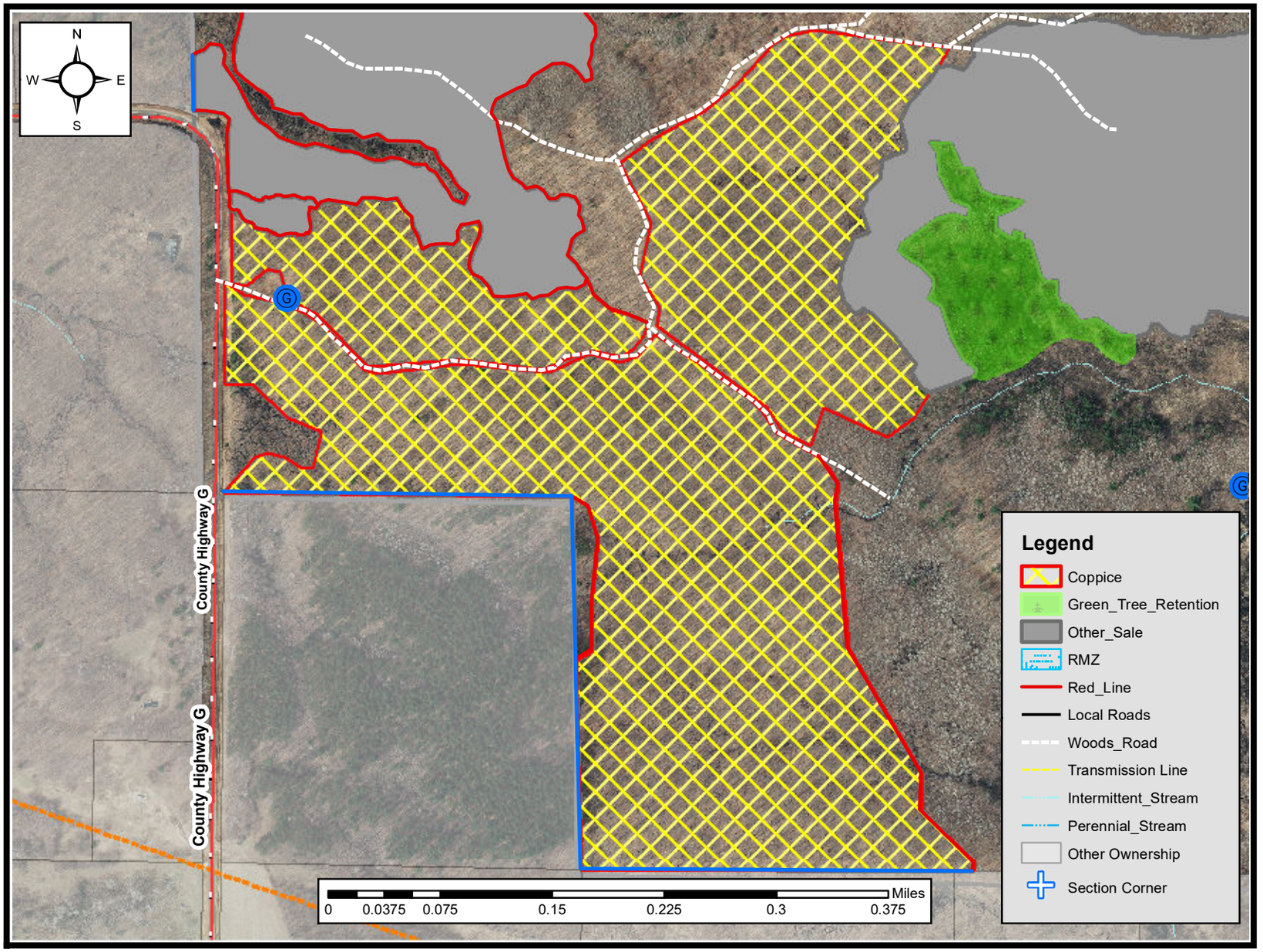
Sale Name: Nubs			**Tract Number:** 10-23	**Estimated Volumes**			
Twp: 26N	**Range:** 5W	**Section:** 3,4,10	**Township:** Bridge Creek	**SPECIES**	**Pulp (tons)**	**Bolts (tons)**	**Logs (MBF)**
Compartment: 35		**Stand:** 20					
Soil: Sandy Loam		**Topography:** Rolling					
Acres: 56		**Timber Sale #:**					
Notes:				**Sale Minimum Bid:**	$		



	Cutting Specifications:
1.	Sale is delineated by red and purple paint
2.	No equipment or slash is allowed within the Green Tree Retention areas or RMZ
3.	Sale is limited to dry or frozen conditions. No harvesting or road building from April 1st to July 15th due to Oak Wilt
4.	**Coppice: Harvest all stems 1 inch and larger except islands**
5.	**Overstory Removal: Harvest all stems 1 inch and larger except Leave all Oak under 8 inches DBH**
5.	All roads and landings must be approved by the sale administrator
6.	All slash must be lopped and scattered within 2' of the ground

Eau Claire County Forest

Sale Name: G that's some nice Oak			**Tract Number:** 11-23	**Estimated Volumes**			
Twp: 27N	**Range:** 5W	**Section:** 20	**Township:** Wilson	**SPECIES**	**Pulp (tons)**	**Bolts (tons)**	**Logs (MBF)**
Compartment: 55		**Stand:** 13,18,19					
Soil: Loamy Sand		**Topography:** Slightly Rolling					
Acres: 78		**Timber Sale #:**					
Notes:				**Sale Minimum Bid:**	$		

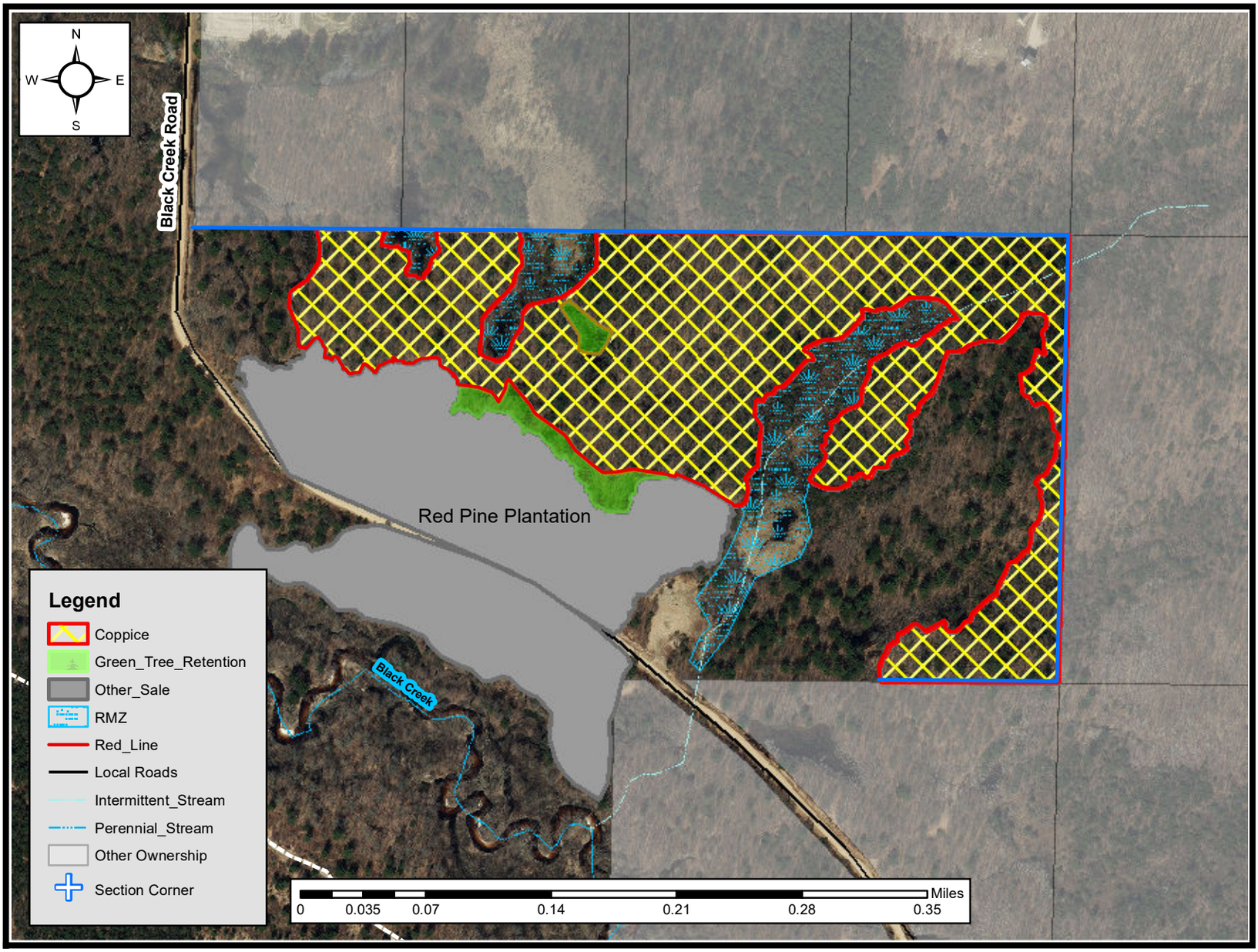


	Cutting Specifications:
1.	Sale is delineated by red and blue paint, roads, and old sales
2.	Sale is limited to dry or frozen conditions. No harvesting or road building from April 1st to July 15th due to Oak Wilt
3.	**Thinning: Harvest all Ash, Aspen, White Pine, Red Maple (under 12" DBH) and trees marked with Orange Paint**
4.	**Leave all trees marked with green paint**
5.	All roads and landings must be approved by the sale administrator
6.	All slash must be lopped and scattered within 2' of the ground and placed away from residual trees

Eau Claire County Forest

Sale Name: Exhaustion			**Tract Number:** 12-23
Twp: 25N	**Range:** 5W	**Section:** 10	**Township:** Fairchild
Compartment: 5		**Stand:** 32 and 33	
Soil: Sand, mucky sand		**Topography:** Level	
Acres: 27		**Timber Sale #:**	
Notes:	*Red Maple pulp includes 2% other hardwood **White Pine Pulp includes 7% Jack Pine		

Estimated Volumes			
SPECIES	**Pulp (tons)**	**Bolts (tons)**	**Logs (MBF)**
Oak	570	235	120
White Pine**	100	-	25
Red Maple*	400	95	8
Sale Minimum Bid:	$35,412.00		

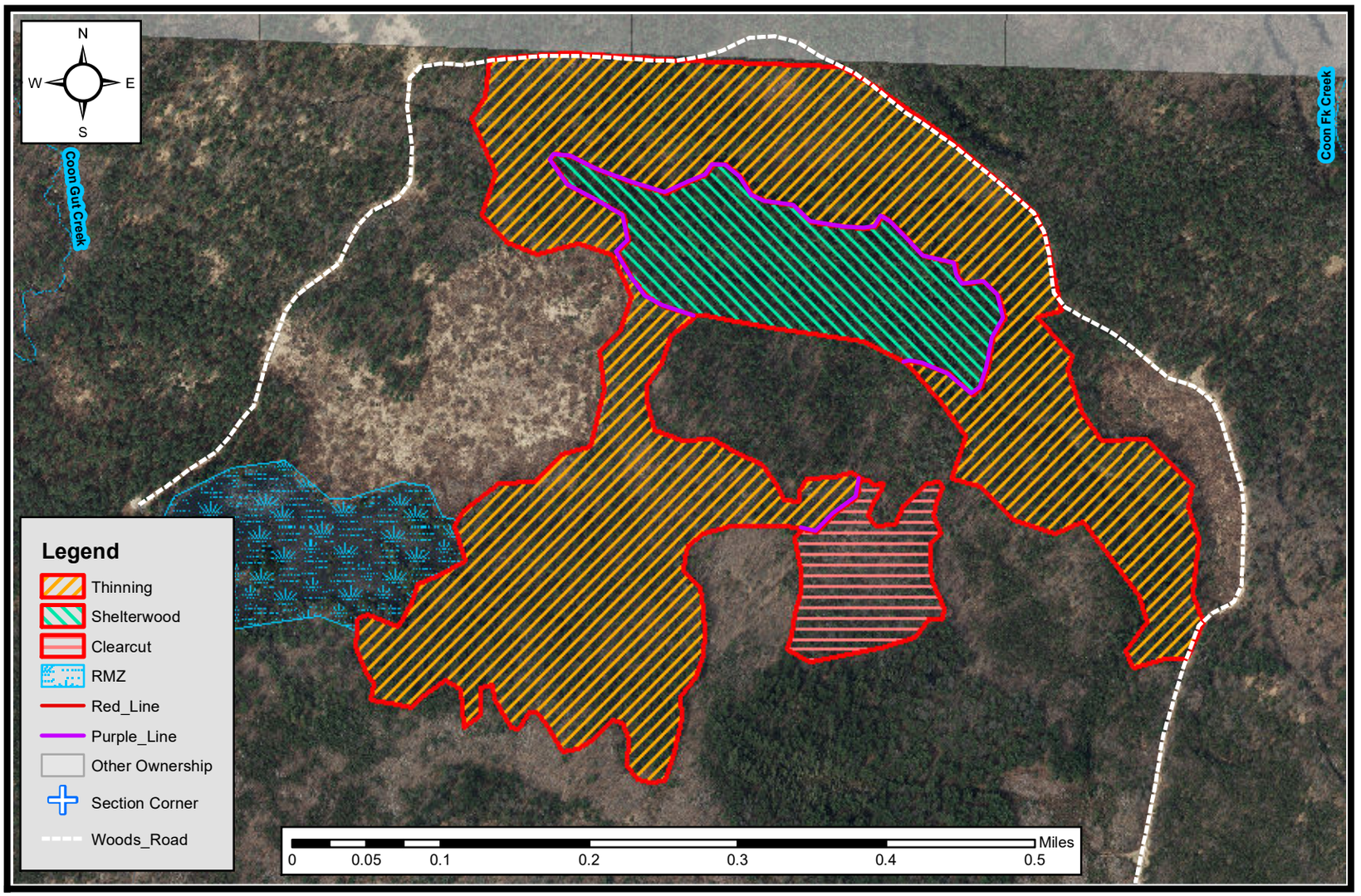


Cutting Specifications:	
1.	Sale is delineated by red and blue paint
2.	No equipment or slash is allowed within the Green Tree Retention areas or RMZ
3.	Sale is limited to dry or frozen conditions. No harvesting or road building from April 1st to July 15th due to Oak Wilt
4.	**Coppice: Harvest all stems 1 inch and larger except trees marked with green paint and islands**
5.	An Access Road will need to be established from Black Creek Road through the Red Pine Planting
6.	All roads and landings must be approved by the sale administrator
7.	All slash must be lopped and scattered within 2' of the ground

Eau Claire County Forest

Sale Name: Crooked Pine			**Tract Number:** 13-23
Twp: 26N	**Range:** 5W	**Section:** 19	**Township:** Bridge Creek
Compartment: 22		**Stand:** 3,11,12,23	
Soil: Sand, mucky sand		**Topography:** Level	
Acres: 80		**Timber Sale #:**	
Notes:			

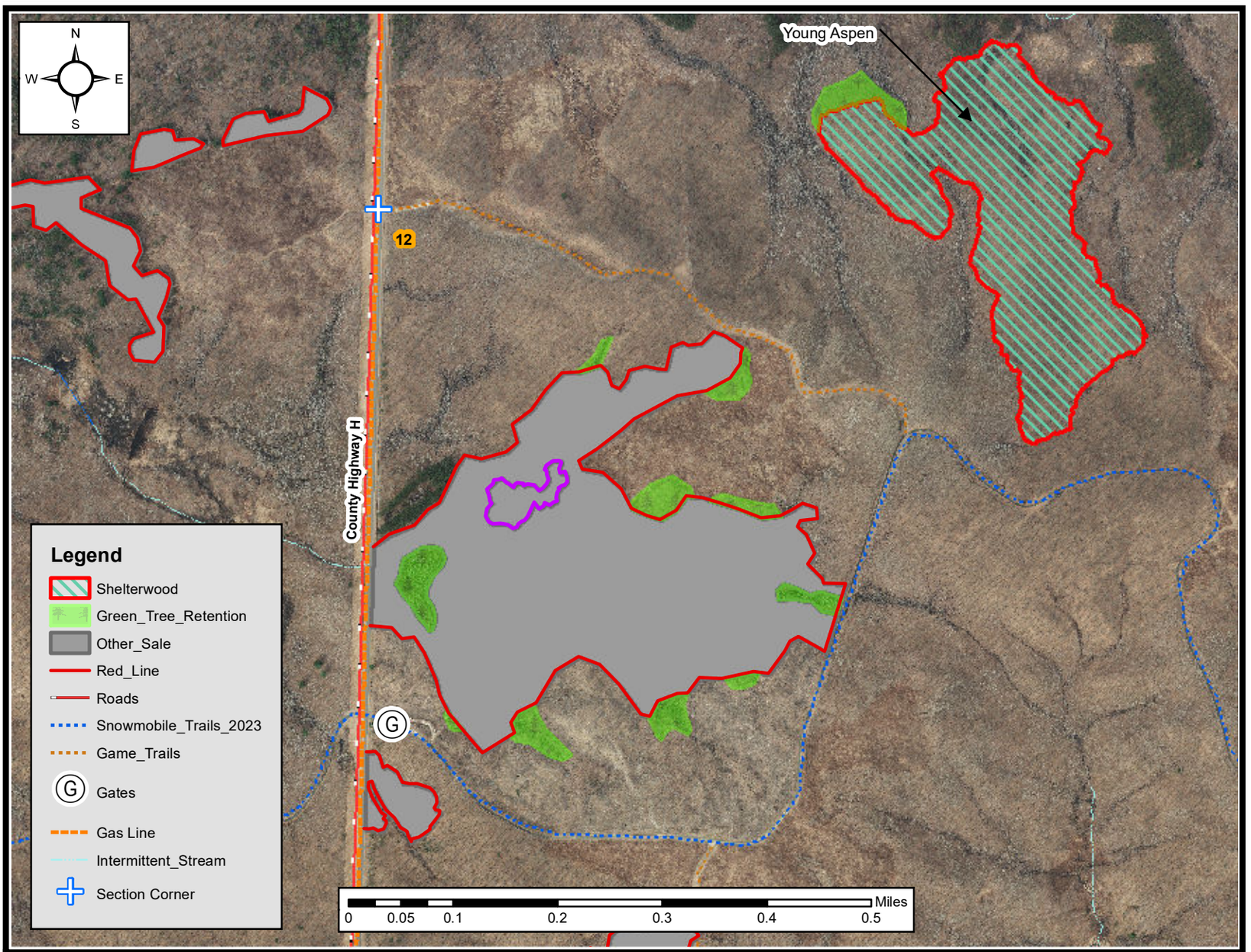
Estimated Volumes			
SPECIES	**Pulp (tons)**	**Bolts (tons)**	**Logs (MBF)**
Sale Minimum Bid:	$		



	Cutting Specifications:
1.	Sale is delineated by red and purple paint
2.	No equipment or slash is allowed within the RMZ
3.	Sale is limited to dry or frozen conditions.
4.	**Thinning: Harvest all stems marked with orange paint**
5.	**Clearcut: Harvest all Pine marked with orange paint and all hardwood 1 inch and larger DBH**
6.	**Shelterwood: Harvest all stems 1 inch and larger DBH, except leave all trees marked with green paint**
7.	All Pine stumps must be sprayed according to contract from April 1st to November 30th
8.	All cut Pine products must be removed from the sale area within 2 weeks during the period of May 15th to August 15th
9.	All roads and landings must be approved by the sale administrator
10.	All slash must be lopped and scattered within 2' of the ground

Eau Claire County Forest

Sale Name: Humpbacked Dolphin			**Tract Number:** 14-23	**Estimated Volumes**			
Twp: 26N	**Range:** 5W	**Section:** 1,12	**Township:** Bridge Creek	**SPECIES**	**Pulp (tons)**	**Bolts (tons)**	**Logs (MBF)**
Compartment: 37		**Stand:** 26		Red Oak*	450	260	55
Soil: Sand, mucky sand		**Topography:** Rolling		Red Maple	220	80	10
Acres: 31		**Timber Sale #:**		White Oak	-	-	20
Notes:	-Leave Young Aspen pocket shown on the map -Snowmobile Trail must be kept clear while trails are open *Red Oak saw approximately 10% Black Oak *Red Oak bolts and pulp contain Red, White, and Black Oak			Aspen	10	20	-
				Sale Minimum Bid:	$34,786.00		

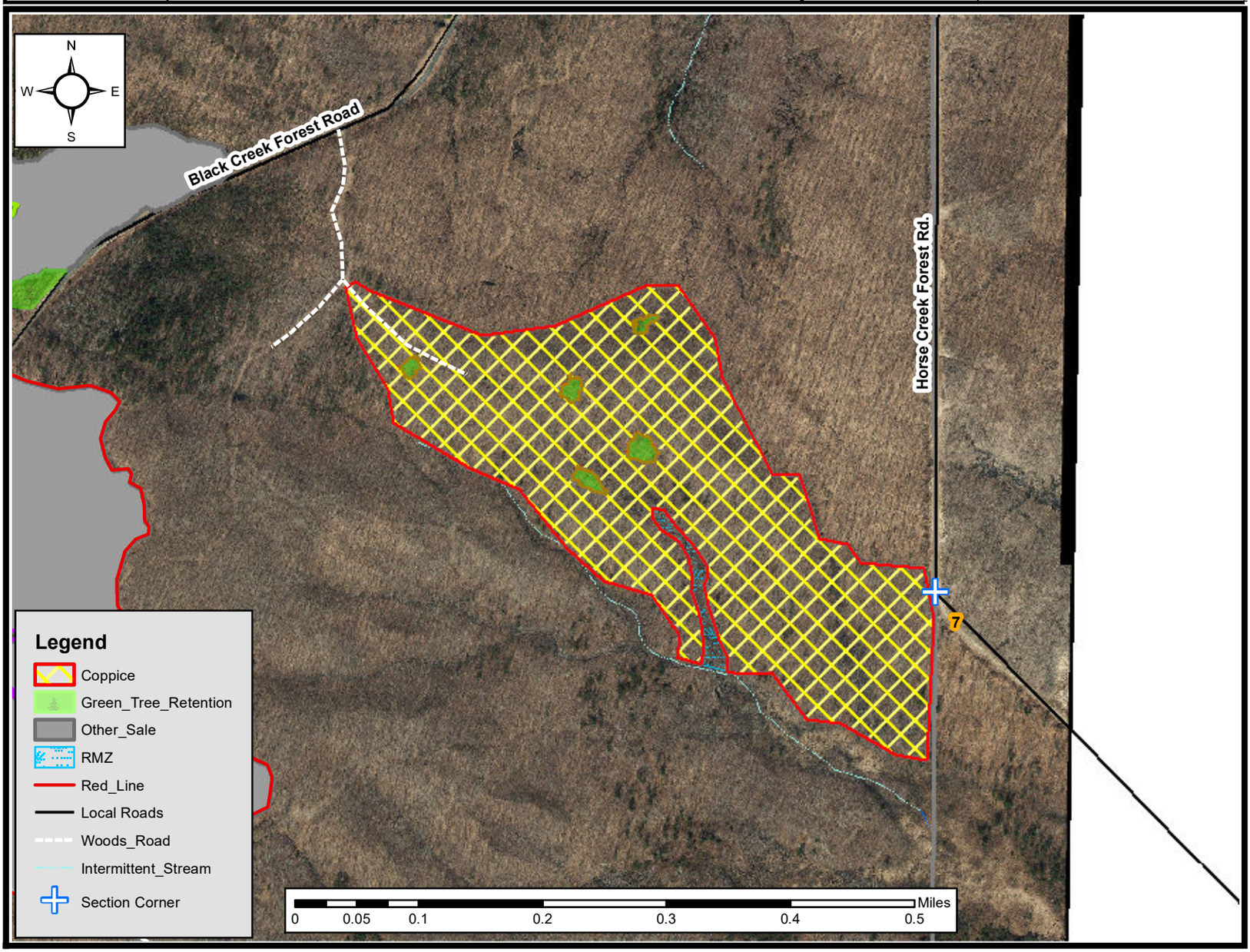


Cutting Specifications:

1.	Sale is delineated by red paint
2.	No equipment or slash is allowed within the Green Tree Retention areas
3.	Sale is limited to dry or frozen conditions. No harvesting or road building from April 1st to July 15th due to Oak Wilt
4.	**Shelterwood: Harvest all stems 1 inch and larger except trees marked with green paint**
5.	An Access Road will need to be established from Snowmobile trail or the Game Trail
6.	All roads and landings must be approved by the sale administrator

Eau Claire County Forest

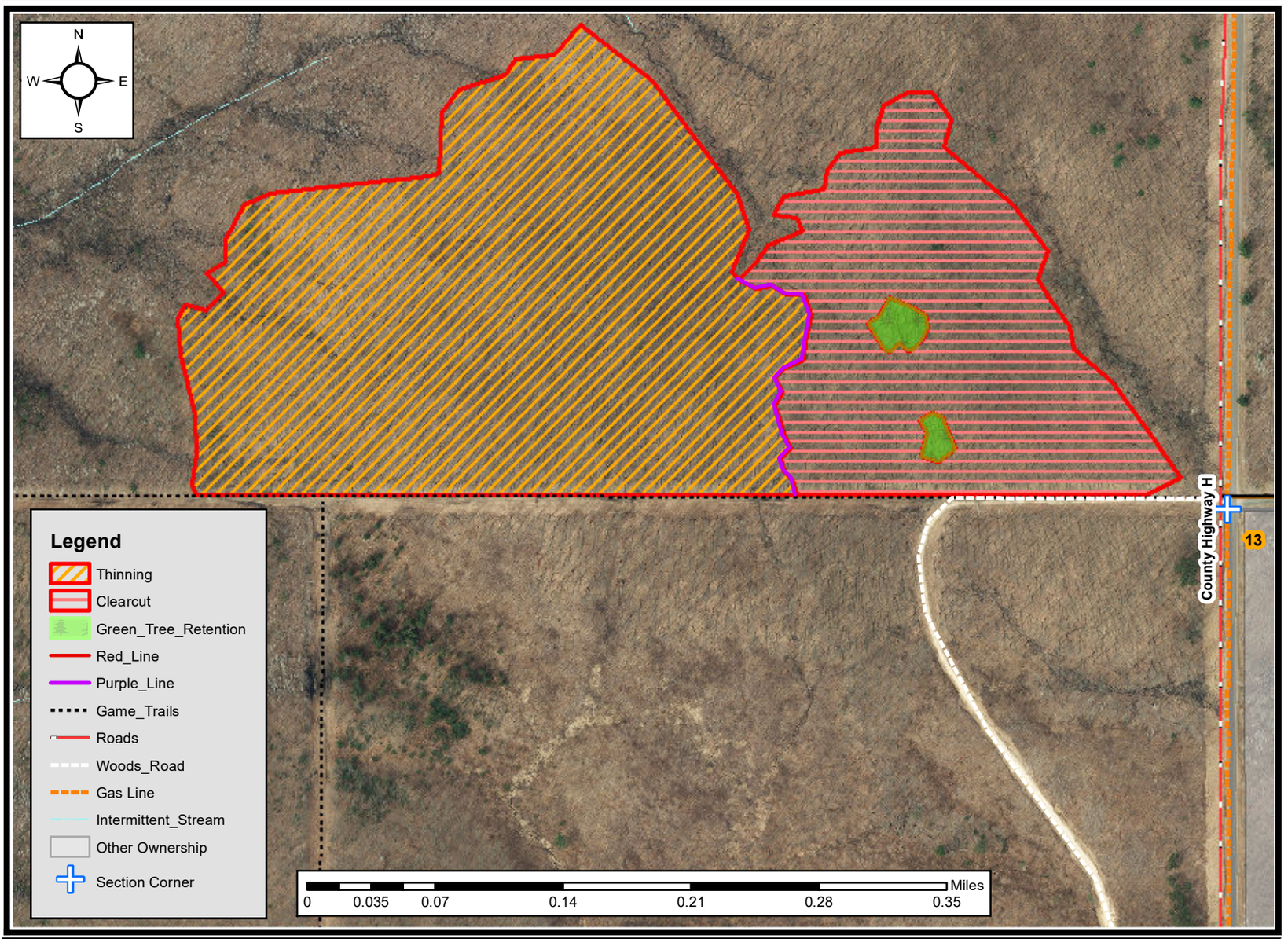
Sale Name: Buttons			**Tract Number:** 15-23	**Estimated Volumes**			
Twp: 25N	**Range:** 5W	**Section:** 1,12	**Township:** Fairchild	**SPECIES**	**Pulp (tons)**	**Bolts (tons)**	**Logs (MBF)**
Compartment: 7		**Stand:** 5		Aspen	1650	470	-
Soil: Sandy Loam		**Topography:** Slightly rolling		Mixed Hwd*	500	25	2
Acres: 48		**Timber Sale #:**		White Pine	40	-	1
Notes:	*MX Hwd pulp is 80% Red Maple, 19% White Birch, and 1% Black Cherry						
				Sale Minimum Bid:	$29,995.00		



	Cutting Specifications:
1.	Sale is delineated by red and green paint
2.	No equipment or slash is allowed within the Green Tree Retention areas or RMZ
3.	Sale is limited to dry or frozen conditions.
4.	**Coppice: Harvest all stems 1 inch and larger Except Leave All Oak and trees marked with green paint**
5.	All roads and landings must be approved by the sale administrator
6.	All slash must be lopped and scattered within 2’ of the ground

Eau Claire County Forest

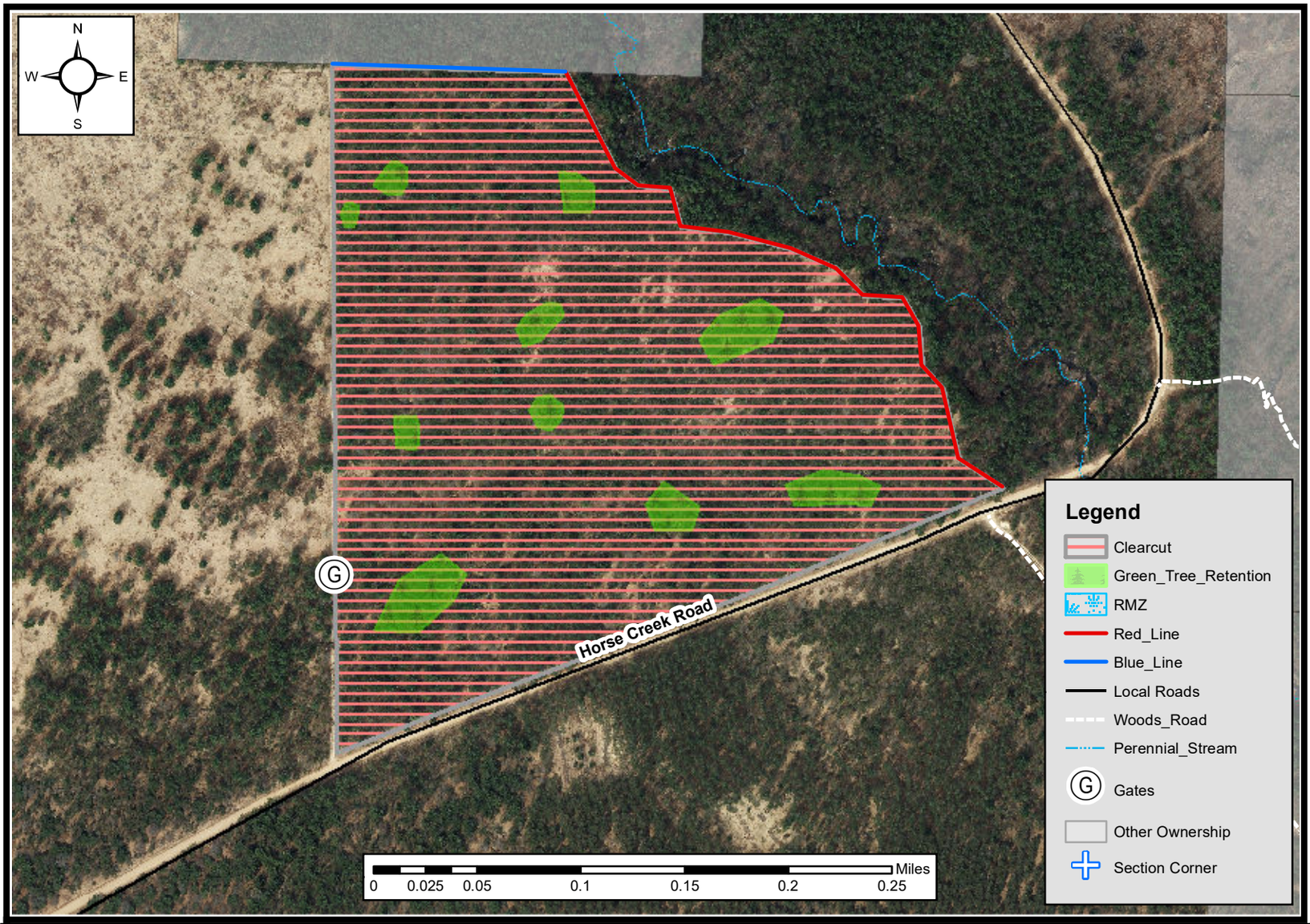
Sale Name: Channey T Oak			**Tract Number:** 16-23	**Estimated Volumes**			
Twp: 25N	**Range:** 5W	**Section:** 10	**Township:** Fairchild	**SPECIES**	**Pulp (tons)**	**Bolts (tons)**	**Logs (MBF)**
Compartment: 36		**Stand:** 1 and 2		Red Oak*	-	-	350
Soil: Loam		**Topography:** Slightly rolling		White Oak	-	-	30
Acres: 59		**Timber Sale #:**		Oak	1100	825	-
Notes:	*Red Oak Saw includes 4 MBF of Black Oak **Red Maple volumes include a small amount of other hardwoods and basswood			Red Maple**	243	130	15
				Sale Minimum Bid:	$179,608.48		



	Cutting Specifications:
1.	Sale is delineated by red paint and the game trail
2.	No equipment or slash is allowed within the Green Tree Retention areas
3.	Sale is limited to dry or frozen conditions. No harvesting or road building from April 1st to July 15th due to Oak Wilt
4.	**Clearcut: Harvest all stems 1 inch and larger except trees marked with green paint and islands**
5.	**Thinning: Harvest all trees marked with orange paint**
6.	All roads and landings must be approved by the sale administrator
7.	All slash must be lopped and scattered within 2' of the ground

Eau Claire County Forest

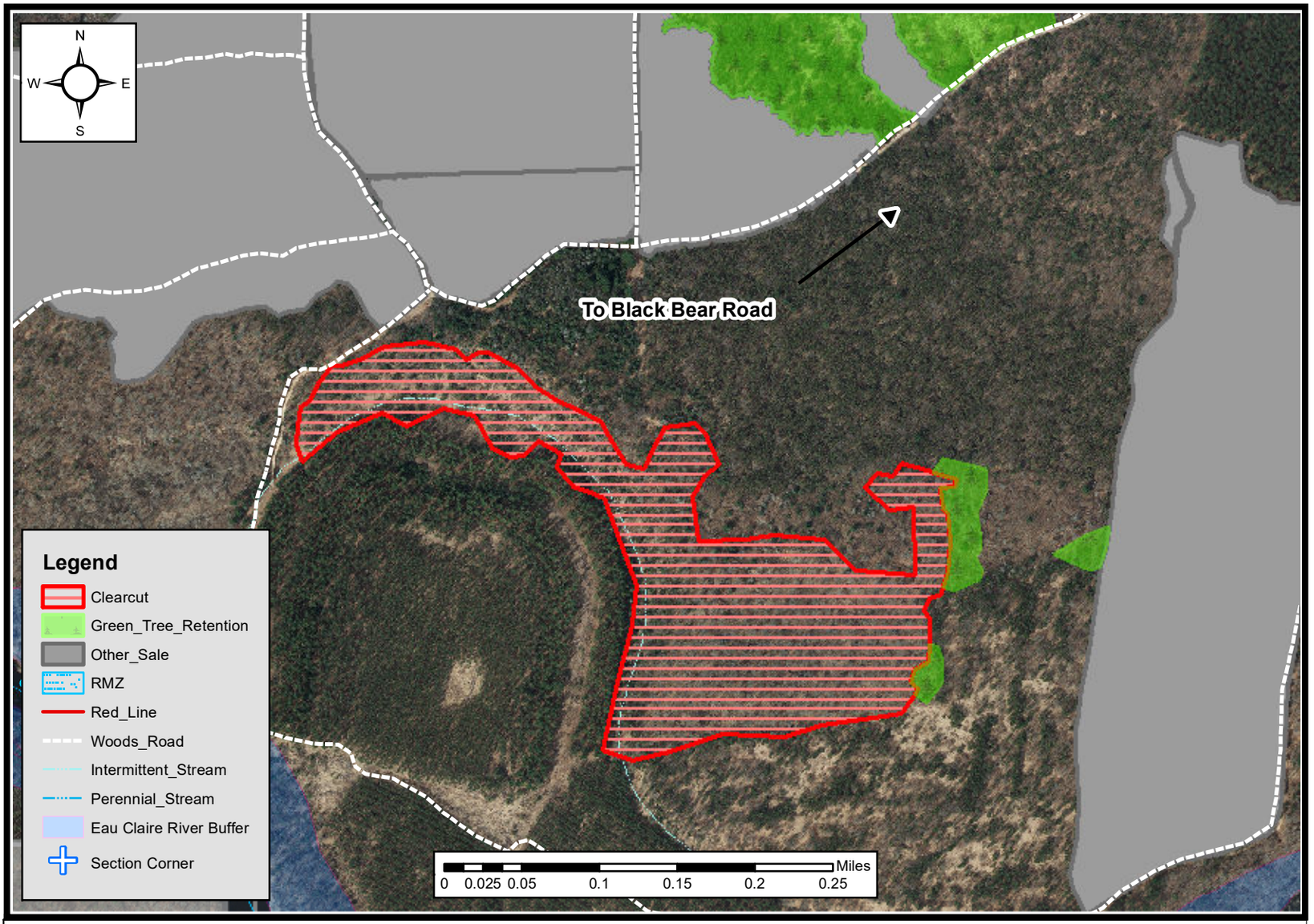
Sale Name: Coon Fork			**Tract Number:** 17-23	**Estimated Volumes**			
Twp: 26N	**Range:** 5W	**Section:** 29	**Township:** Bridge Creek	**SPECIES**	**Pulp (tons)**	**Bolts (tons)**	**Logs (MBF)**
Compartment: 19		**Stand:** 4,25,16					
Soil: Sand		**Topography:** Level					
Acres: 42		**Timber Sale #:**					
Notes:	This area will be burned in the future. Please try to keep slash piles to the interior of the sale as much as possible.			**Sale Minimum Bid:**	$		



	Cutting Specifications:
1.	Sale is delineated by red and blue paint and obvious roads
2.	No equipment or slash is allowed within the Green Tree Retention areas or RMZ
3.	Sale is limited to dry or frozen conditions.
4.	**Clearcut: Harvest all stems 1 inch and larger except trees marked with green paint and islands**
5.	Opportunity for Spring/Summer harvest
6.	All Pine stumps must be sprayed according to contract from April 1st to November 30th
7.	All cut Pine products must be removed from the sale area within 2 weeks from May 15th to August 15th
8.	All roads and landings must be approved by the sale administrator
9.	All slash must be lopped and scattered within 2' of the ground and kept away from the base of residual trees

Eau Claire County Forest

Sale Name: Black Bear			**Tract Number:** 18-23	**Estimated Volumes**			
Twp: 26N	**Range:** 6W	**Section:** 7	**Township:** Ludington	**SPECIES**	**Pulp (tons)**	**Bolts (tons)**	**Logs (MBF)**
Compartment: 73		**Stand:** 13					
Soil: Sand		**Topography:** Level					
Acres: 24		**Timber Sale #:**					
Notes:				**Sale Minimum Bid:**	$		



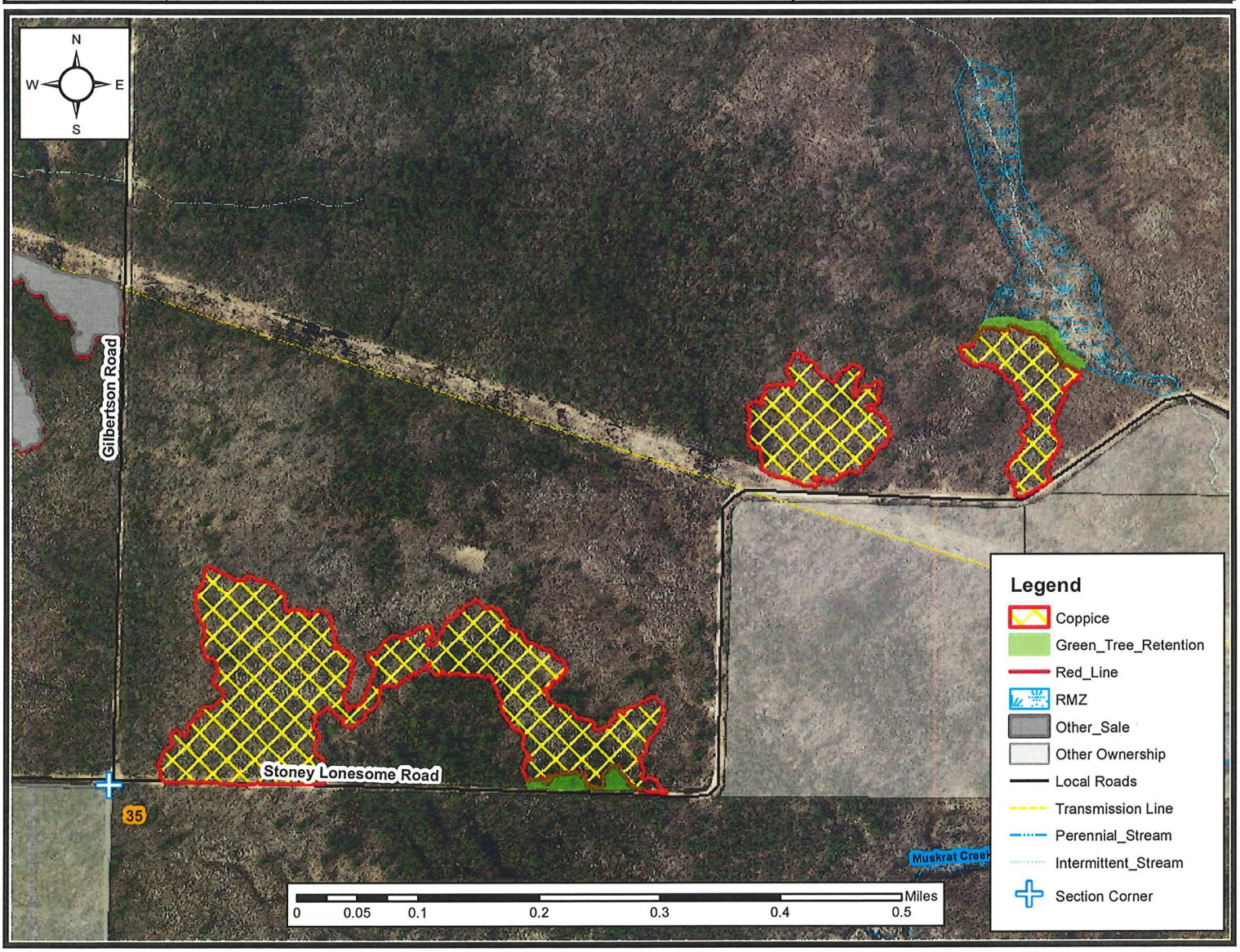
Cutting Specifications:

1.	Sale is delineated by red paint
2.	No equipment or slash is allowed within the Green Tree Retention areas
3.	Sale is limited to dry or frozen conditions. No harvesting or road building from April 1st to July 15th due to Oak Wilt
4.	**Clearcut: Harvest all stems 1 inch and larger except Leave all White Pine, Red Pine, and Oak stems under 3 inches**
5.	On steep slopes, only harvest what is within reach from the top and bottom. Do not operate on slopes
6.	All Pine stumps must be sprayed according to contract from April 1st to November 30th
7.	All cut Pine products must be removed from the sale area within 2 weeks from May 15th to August 15th
8.	All roads and landings must be approved by the sale administrator
9.	All slash must be lopped and scattered within 2' of the ground

Eau Claire County Forest

Sale Name:	Stoney Lonesome Aspen		Tract Number: 7-23
Twp: 27N	Range: 6W	Section: 26	Township: Wilson
Compartment: 64		Stand: 12	
Soil: Loamy Sand		Topography: Level	
Acres: 29.5		Timber Sale #:	
Notes:	*No decking allowed on the Powerline ROW		

Estimated Volumes			
SPECIES	Pulp (tons)	Bolts (tons)	Logs (MBF)
Aspen	650	55	-
MX Hwd	130	10	-
White Pine	80	-	3
Oak	50	-	-
Sale Minimum Bid:	$13,041.50		



Cutting Specifications:	
1.	Sale is delineated by red paint or roads
2.	No equipment or slash is allowed within the Green Tree Retention areas or RMZ
3.	Sale is limited to dry or frozen conditions
4.	**Coppice: Harvest all stems 1 inch and larger except leave all oak over 8" DBH**
5.	All roads and landings must be approved by the sale administrator
6.	All slash must be lopped and scattered within 2' of the ground

January 1 2024 Extensions 10/31/2023					
SALE NUMBER	TRACT NUMBER	CONTRACTOR	EXTENSION	INCREASE	STAFF RECOMMENDATIONS
1753	4-16	Dairyland Forest Prod	Yes	0%	
1797	13-18	Tlusty Logging	Yes	0%	Sale cut, will still be hauling
1819	2-19	Theodore Strzok Logging	Yes	10%	
1841	18-20	Tlusty Logging	Yes	0%	Sale cut, will still be hauling
1842	19-20	Theodore Strzok Logging	Yes	10%	
1844	21-20	Bridge Creek Logging	Yes	10%	
1862	16-21	Kron Forest Products	Yes	5%	
1873	12-22	Northwest Hardwood	Yes	0%	
1874	13-22	Buffalo Lumber and Tie	Yes	0%	
1876	15-22	Strzok	Yes	0%	
1877	16-22	Buffalo Lumber and Tie	Yes	0%	
1878	17-22	Flannel Fleet	Yes	0%	
1879	18-22	Byers Forestry	Yes	0%	
1880	10-22	Martins Forestry	Yes	0%	

October 26, 2023

Josh Pedersen

Dear Josh Pedersen,

Subject: Eau Claire Youth Ski League at Tower Ridge

We would like to ask the Parks and Forest committee to renew the designation of free ski nights on Monday's in January through March 2024 from 4pm to close. The Eau Claire Youth Ski League and the Eau Claire Ski Striders will again offer free adult lessons on a minimum of 2 nights during this time COVID protocol's determined by Eau Claire County permitting.

The last eleven years this program has worked well for all parties and hopefully accomplished all of our goals with it. Programs like this offer positive encouragement to communities to get outside, improve fitness and take advantage of the parks and forest resources. This is a big win for everyone.

Here is our tentative schedule for the coming year:

Kickin Kids and High School Team: January 8, 15, 22, 29, February 5, 12, 19, 26. March 4th could be a makeup date..

We will again be offering free Adult Ski lessons at Kickin Kids night and on Free Ski Day that we would like to schedule for January 21st.

We really appreciate the committee working with us on this last year. Hopefully we can have another great year. I would like to invite all the committee members to stop by on one of these dates, take some lessons or just observe our kids and coaches in action.

Sincerely,

Christopher T. Gorzek

Director
Eau Claire Youth Ski League

CC: Sue Lindstedt

Wisconsin State Laboratory of Hygiene
UNIVERSITY OF WISCONSIN–MADISON

Environmental Health Division
2601 Agriculture Drive, P.O. Box 7996
Madison, WI 53718
Phone: (608) 224-6202 • (800) 442-4618
Fax: (608) 224-6213 • Web: www.slh.wisc.edu

Eau Claire City Co Health Dept.
Eau Claire-Lake Altoona Beaches
Results – Summer 2023
Issued 10/23/2023 by KJ

Microbial Source Tracking Results:

Bacteroides

Horizon Number	Eau Claire Sample	Sample Collection	HF183[1] gene copies/100mL	Rum2Bac[2] gene copies/100mL
698819001	B23-0015	5/22/2023	undetected	Below LOD
698819002	B23-0013	5/22/2023	undetected	undetected
698819003	B23-0102	6/19/2023	undetected	Below LOD
698819004	B23-0101	6/19/2023	undetected	undetected
698819005	B23-0100	6/19/2023	undetected	undetected
698819006	B23-0110	6/20/2023	undetected	undetected
698819007	B23-0119	6/21/2023	undetected	undetected
698819008	B23-0233	7/20/2023	undetected	Below LOD
698819009	B23-0232	7/20/2023	undetected	undetected
698819010	B23-0313	8/14/2023	undetected	undetected
698819011	B23-0312	8/14/2023	undetected	Below LOD
698819012	B23-0304	8/14/2023	undetected	undetected
698819013	B23-0305	8/14/2023	undetected	undetected

1. ***Bacteroides (human)*** bacteria occur in the intestinal tracts of humans and are very short-lived in the environment. Their presence in water indicates human fecal contamination.
2. ***Bacteroides (ruminant)*** bacteria occur in the intestinal tracts of ruminant animals and are very short-lived in the environment. Their presence in water indicates ruminant fecal contamination.

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Avian Microbial Source Tracking Targets

Horizon Number	Eau Claire Sample	Sample Collection	Avian[3] gene copies/100mL
698819001	B23-0015	5/22/2023	Below LOD
698819002	B23-0013	5/22/2023	10,506
698819003	B23-0102	6/19/2023	33,107
698819004	B23-0101	6/19/2023	18,099
698819005	B23-0100	6/19/2023	Below LOD
698819006	B23-0110	6/20/2023	11,827
698819007	B23-0119	6/21/2023	Below LOD
698819008	B23-0233	7/20/2023	3,517
698819009	B23-0232	7/20/2023	undetected
698819010	B23-0313	8/14/2023	Below LOD
698819011	B23-0312	8/14/2023	Below LOD
698819012	B23-0304	8/14/2023	undetected
698819013	B23-0305	8/14/2023	Below LOD

3. ***Avian (GFD)*** *Helicobacter* spp. occur in the intestinal tracts of birds. Their presence in water indicates fecal contamination from an avian source.

Horizon Number	Eau Claire Sample	Sample Collection	Goose[4] CG gene copies/100mL	Goose[5] MT gene copies/100mL	Gull [6] gene copies/100mL
698819001	B23-0015	5/22/2023	Below LOD	Below LOD	undetected
698819002	B23-0013	5/22/2023	undetected	Below LOD	undetected
698819003	B23-0102	6/19/2023	Below LOD	Below LOD	3,629
698819004	B23-0101	6/19/2023	Below LOD	Below LOD	Below LOD
698819005	B23-0100	6/19/2023	Below LOD	Below LOD	undetected
698819006	B23-0110	6/20/2023	undetected	Below LOD	undetected
698819007	B23-0119	6/21/2023	undetected	undetected	undetected
698819008	B23-0233	7/20/2023	undetected	3,718	undetected
698819009	B23-0232	7/20/2023	undetected	Below LOD	undetected
698819010	B23-0313	8/14/2023	undetected	Below LOD	undetected
698819011	B23-0312	8/14/2023	undetected	undetected	undetected
698819012	B23-0304	8/14/2023	undetected	Below LOD	undetected
698819013	B23-0305	8/14/2023	undetected	undetected	undetected

4. **Goose (CG)** targets a *bacteroides spp*. from Canadian goose that occur in their intestinal tracts.
5. **Goose (MT)** targets mitochondrial DNA of Canadian goose.
6. **Gull (Gull 4)** Gull specific assay testing for *Catellicoccus marimammalium* from the intestinal tracts of gulls.

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http://www.slh.wisc.edu

Laboratory Report

Environmental Health Division

WSLH Sample: 698819001

Report To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703

Invoice To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703
Customer ID: 348429

Collection Date: 5/22/2023
Owner:

Collected By:
Well Completion Date:

Unique Well #:
Well Construction:
County:
Driller or Pump Installers License #:
Sampling Location:
Sampling Point: SWIMMING BEACH

Date Received: 9/7/2023
Date Reported: 10/24/2023
Sample Reason: OTHER

Sample/Field ID: B23-0015, 324

Microbiology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 05/23/23 10:15	Analysis Date: 09/13/23 16:23				
Comments: Avian MST Results: Avian GFD = Below LOD Goose Bacterial = Below LOD Goose Mitochondrial = Below LOD Gull = Undetected Avian MST assays are research based assays that are not fully validated.					
Human Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		
Ruminant Bacteroides species	Mieszkin et.al/Layton et.al	Below LOD	Gene Copies/100		

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819001

WDNR LAB ID:113133790 NELAP LAB ID:2091 EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:
LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation
Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.
Results relate only to the items tested.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281
Metals: Graham Anderson, Supervisor 608-224-6281
Organics: Erin Mani, Supervisor 608-224-6269
Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230
Water Microbiology: Martin Collins, Supervisor 608-224-6239
Radiochemistry: Jesse Wouters, Supervisor 608-224-6227

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http://www.slh.wisc.edu

Laboratory Report

Environmental Health Division

WSLH Sample: 698819001

Drinking Water Public Health Values for Result Interpretation

Substance*	Public Health Value**
Aluminum	200 µg/L
Arsenic (Total)	10 µg/L
Atrazine	3 µg/L
Bacteria (Total coliform or E.coli)	Absent
Cadmium	5 µg/L
Chromium (Total)	100 µg/L
Cobalt	40 µg/L
Copper	1,300 µg/L
Fluoride	2 mg/L***
Lead	15 µg/L
Manganese	300 µg/L
Molybdenum	60 µg/L
Nickel	100 µg/L
Nitrate	10 mg/L
Nitrate + Nitrite	10 mg/L
Nitrite	1 mg/L
Strontium	1,500 µg/L
Vanadium	30 µg/L
Zinc	2,000 µg/L

*The following substances are not included in the table because they are not of health concern: calcium, hardness, iron, and magnesium.

** Additional information about the public health values can be found at: https://dnr.wisconsin.gov/topic/DrinkingWater/HealthAdvisoryLevels.html

*** Fluoride levels between 2 and 4 mg/L are too high for children that are 8 years old and younger because it can change the appearance of the teeth's enamel. Fluoride levels greater than 4 mg/L are too high for everyone because it can cause bones to be brittle and fragile. www.cdc.gov/fluoridation/faqs/wellwater.htm

ND = not detected in the sample; N/A = not available
µg/L = micrograms of substance per liter of water = parts per billon
mg/L = milligrams of substance per liter of water = parts per million

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819002

Report To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703

Invoice To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703
Customer ID: 348429

Collection Date: 5/22/2023
Owner:

Collected By:
Well Completion Date:

Unique Well #:
Well Construction:
County:
Driller or Pump Installers License #:
Sampling Location:
Sampling Point: SWIMMING BEACH

Date Received: 9/7/2023
Date Reported: 10/24/2023
Sample Reason: OTHER

Sample/Field ID: B23-0013, 320

Microbiology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 05/23/23 10:15	Analysis Date: 09/13/23 16:23				
Comments: Avian MST Results: Avian GFD = 10,506 gene copies/100mL Goose Bacterial = Undetected Goose Mitochondrial = Below LOD Gull = Undetected Avian MST assays are research based assays that are not fully validated.					
Human Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		
Ruminant Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		

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http://www.slh.wisc.edu

Laboratory Report

Environmental Health Division

WSLH Sample: 698819002

WDNR LAB ID:113133790 NELAP LAB ID:2091 EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:
LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.
Results relate only to the items tested.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281
Metals: Graham Anderson, Supervisor 608-224-6281
Organics: Erin Mani, Supervisor 608-224-6269
Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230
Water Microbiology: Martin Collins, Supervisor 608-224-6239
Radiochemistry: Jesse Wouters, Supervisor 608-224-6227

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819002

Drinking Water Public Health Values for Result Interpretation

Substance*	Public Health Value**
Aluminum	200 µg/L
Arsenic (Total)	10 µg/L
Atrazine	3 µg/L
Bacteria (Total coliform or E.coli)	Absent
Cadmium	5 µg/L
Chromium (Total)	100 µg/L
Cobalt	40 µg/L
Copper	1,300 µg/L
Fluoride	2 mg/L***
Lead	15 µg/L
Manganese	300 µg/L
Molybdenum	60 µg/L
Nickel	100 µg/L
Nitrate	10 mg/L
Nitrate + Nitrite	10 mg/L
Nitrite	1 mg/L
Strontium	1,500 µg/L
Vanadium	30 µg/L
Zinc	2,000 µg/L

*The following substances are not included in the table because they are not of health concern: calcium, hardness, iron, and magnesium.

** Additional information about the public health values can be found at: https://dnr.wisconsin.gov/topic/DrinkingWater/HealthAdvisoryLevels.html

*** Fluoride levels between 2 and 4 mg/L are too high for children that are 8 years old and younger because it can change the appearance of the teeth's enamel. Fluoride levels greater than 4 mg/L are too high for everyone because it can cause bones to be brittle and fragile. www.cdc.gov/fluoridation/faqs/wellwater.htm

ND = not detected in the sample; N/A = not available
µg/L = micrograms of substance per liter of water = parts per billon
mg/L = milligrams of substance per liter of water = parts per million

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819003

Report To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703

Invoice To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703
Customer ID: 348429

Collection Date: 6/19/2023
Owner:

Collected By:
Well Completion Date:

Unique Well #:
Well Construction:
County:
Driller or Pump Installers License #:
Sampling Location:
Sampling Point: SWIMMING BEACH

Date Received: 9/7/2023
Date Reported: 10/24/2023
Sample Reason: OTHER

Sample/Field ID: B23-0102, 324

Microbiology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 06/20/23 10:15	Analysis Date: 09/13/23 16:23				
Comments: Avian MST Results: Avian GFD = 33,107 gene copies/100mL Goose Bacterial = Below LOD Goose Mitochondrial = Below LOD Gull = 3,629 gene copies/100mL Avian MST assays are research based assays that are not fully validated.					
Human Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		
Ruminant Bacteroides species	Mieszkin et.al/Layton et.al	Below LOD	Gene Copies/100		

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819003

WDNR LAB ID:113133790 NELAP LAB ID:2091 EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:
LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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Responsible Party

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Metals: Graham Anderson, Supervisor 608-224-6281
Organics: Erin Mani, Supervisor 608-224-6269
Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230
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Radiochemistry: Jesse Wouters, Supervisor 608-224-6227

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819003

Drinking Water Public Health Values for Result Interpretation

Substance*	Public Health Value**
Aluminum	200 µg/L
Arsenic (Total)	10 µg/L
Atrazine	3 µg/L
Bacteria (Total coliform or E.coli)	Absent
Cadmium	5 µg/L
Chromium (Total)	100 µg/L
Cobalt	40 µg/L
Copper	1,300 µg/L
Fluoride	2 mg/L***
Lead	15 µg/L
Manganese	300 µg/L
Molybdenum	60 µg/L
Nickel	100 µg/L
Nitrate	10 mg/L
Nitrate + Nitrite	10 mg/L
Nitrite	1 mg/L
Strontium	1,500 µg/L
Vanadium	30 µg/L
Zinc	2,000 µg/L

*The following substances are not included in the table because they are not of health concern: calcium, hardness, iron, and magnesium.

** Additional information about the public health values can be found at: https://dnr.wisconsin.gov/topic/DrinkingWater/HealthAdvisoryLevels.html

*** Fluoride levels between 2 and 4 mg/L are too high for children that are 8 years old and younger because it can change the appearance of the teeth's enamel. Fluoride levels greater than 4 mg/L are too high for everyone because it can cause bones to be brittle and fragile. www.cdc.gov/fluoridation/faqs/wellwater.htm

ND = not detected in the sample; N/A = not available
µg/L = micrograms of substance per liter of water = parts per billon
mg/L = milligrams of substance per liter of water = parts per million

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819004

Report To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703

Invoice To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703
Customer ID: 348429

Collection Date: 6/19/2023
Owner:

Collected By:
Well Completion Date:

Unique Well #:
Well Construction:
County:
Driller or Pump Installers License #:
Sampling Location:
Sampling Point: SWIMMING BEACH

Date Received: 9/7/2023
Date Reported: 10/24/2023
Sample Reason: OTHER

Sample/Field ID: B23-0101, 322

Microbiology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 06/20/23 10:15	Analysis Date: 09/13/23 16:23				
Comments: Avian MST Results: Avian GFD = 18,099 gene copies/100mL Goose Bacterial = Below LOD Goose Mitochondrial = Below LOD Gull = Below LOD Avian MST assays are research based assays that are not fully validated.					
Human Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		
Ruminant Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819004

WDNR LAB ID:113133790 NELAP LAB ID:2091 EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:
LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
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Z next to result = Result is between 0 (zero) and LOD
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Responsible Party

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819004

Drinking Water Public Health Values for Result Interpretation

Substance*	Public Health Value**
Aluminum	200 µg/L
Arsenic (Total)	10 µg/L
Atrazine	3 µg/L
Bacteria (Total coliform or E.coli)	Absent
Cadmium	5 µg/L
Chromium (Total)	100 µg/L
Cobalt	40 µg/L
Copper	1,300 µg/L
Fluoride	2 mg/L***
Lead	15 µg/L
Manganese	300 µg/L
Molybdenum	60 µg/L
Nickel	100 µg/L
Nitrate	10 mg/L
Nitrate + Nitrite	10 mg/L
Nitrite	1 mg/L
Strontium	1,500 µg/L
Vanadium	30 µg/L
Zinc	2,000 µg/L

*The following substances are not included in the table because they are not of health concern: calcium, hardness, iron, and magnesium.

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*** Fluoride levels between 2 and 4 mg/L are too high for children that are 8 years old and younger because it can change the appearance of the teeth's enamel. Fluoride levels greater than 4 mg/L are too high for everyone because it can cause bones to be brittle and fragile. www.cdc.gov/fluoridation/faqs/wellwater.htm

ND = not detected in the sample; N/A = not available
µg/L = micrograms of substance per liter of water = parts per billon
mg/L = milligrams of substance per liter of water = parts per million

Wisconsin State Laboratory of Hygiene
UNIVERSITY OF WISCONSIN-MADISON

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819005

Report To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703

Invoice To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703
Customer ID: 348429

Collection Date: 6/19/2023
Owner:

Collected By:
Well Completion Date:

Unique Well #:
Well Construction:
County:
Driller or Pump Installers License #:
Sampling Location:
Sampling Point: SWIMMING BEACH

Date Received: 9/7/2023
Date Reported: 10/24/2023
Sample Reason: OTHER

Sample/Field ID: B23-0100, 320

Microbiology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 06/20/23 10:15	Analysis Date: 09/13/23 16:23				
Comments: Avian MST Results: Avian GFD = Below LOD Goose Bacterial = Below LOD Goose Mitochondrial = Below LOD Gull = Undetected Avian MST assays are research based assays that are not fully validated.					
Human Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		
Ruminant Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		

Wisconsin State Laboratory of Hygiene
2601 Agriculture Drive, PO Box 7996
Madison, WI 53707-7996
(800)442-4618 - Fax (608)224-6213
http://www.slh.wisc.edu

Laboratory Report

Environmental Health Division

WSLH Sample: 698819005

WDNR LAB ID:113133790 NELAP LAB ID:2091 EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:
LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation
Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.
Results relate only to the items tested.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281
Metals: Graham Anderson, Supervisor 608-224-6281
Organics: Erin Mani, Supervisor 608-224-6269
Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230
Water Microbiology: Martin Collins, Supervisor 608-224-6239
Radiochemistry: Jesse Wouters, Supervisor 608-224-6227

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http://www.slh.wisc.edu

Laboratory Report

Environmental Health Division

WSLH Sample: 698819005

Drinking Water Public Health Values for Result Interpretation

Substance*	Public Health Value**
Aluminum	200 µg/L
Arsenic (Total)	10 µg/L
Atrazine	3 µg/L
Bacteria (Total coliform or E.coli)	Absent
Cadmium	5 µg/L
Chromium (Total)	100 µg/L
Cobalt	40 µg/L
Copper	1,300 µg/L
Fluoride	2 mg/L***
Lead	15 µg/L
Manganese	300 µg/L
Molybdenum	60 µg/L
Nickel	100 µg/L
Nitrate	10 mg/L
Nitrate + Nitrite	10 mg/L
Nitrite	1 mg/L
Strontium	1,500 µg/L
Vanadium	30 µg/L
Zinc	2,000 µg/L

*The following substances are not included in the table because they are not of health concern: calcium, hardness, iron, and magnesium.

** Additional information about the public health values can be found at: https://dnr.wisconsin.gov/topic/DrinkingWater/HealthAdvisoryLevels.html

*** Fluoride levels between 2 and 4 mg/L are too high for children that are 8 years old and younger because it can change the appearance of the teeth's enamel. Fluoride levels greater than 4 mg/L are too high for everyone because it can cause bones to be brittle and fragile. www.cdc.gov/fluoridation/faqs/wellwater.htm

ND = not detected in the sample; N/A = not available
µg/L = micrograms of substance per liter of water = parts per billon
mg/L = milligrams of substance per liter of water = parts per million

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819006

Report To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703

Invoice To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703
Customer ID: 348429

Collection Date: 6/20/2023
Owner:

Collected By:
Well Completion Date:

Unique Well #:
Well Construction:
County:
Driller or Pump Installers License #:
Sampling Location:
Sampling Point: SWIMMING BEACH

Date Received: 9/7/2023
Date Reported: 10/24/2023
Sample Reason: OTHER

Sample/Field ID: B23-0110, 324

Microbiology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 06/21/23 10:15	Analysis Date: 09/13/23 16:23				
Comments: Avian MST Results: Avian GFD = 11,827 gene copies/100mL Goose Bacterial = Undetected Goose Mitochondrial = Below LOD Gull = Undetected Avian MST assays are research based assays that are not fully validated.					
Human Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		
Ruminant Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819006

WDNR LAB ID:113133790 NELAP LAB ID:2091 EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:
LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.
Results relate only to the items tested.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281
Metals: Graham Anderson, Supervisor 608-224-6281
Organics: Erin Mani, Supervisor 608-224-6269
Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230
Water Microbiology: Martin Collins, Supervisor 608-224-6239
Radiochemistry: Jesse Wouters, Supervisor 608-224-6227

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http://www.slh.wisc.edu

Laboratory Report

Environmental Health Division

WSLH Sample: 698819006

Drinking Water Public Health Values for Result Interpretation

Substance*	Public Health Value**
Aluminum	200 µg/L
Arsenic (Total)	10 µg/L
Atrazine	3 µg/L
Bacteria (Total coliform or E.coli)	Absent
Cadmium	5 µg/L
Chromium (Total)	100 µg/L
Cobalt	40 µg/L
Copper	1,300 µg/L
Fluoride	2 mg/L***
Lead	15 µg/L
Manganese	300 µg/L
Molybdenum	60 µg/L
Nickel	100 µg/L
Nitrate	10 mg/L
Nitrate + Nitrite	10 mg/L
Nitrite	1 mg/L
Strontium	1,500 µg/L
Vanadium	30 µg/L
Zinc	2,000 µg/L

*The following substances are not included in the table because they are not of health concern: calcium, hardness, iron, and magnesium.

** Additional information about the public health values can be found at: https://dnr.wisconsin.gov/topic/DrinkingWater/HealthAdvisoryLevels.html

*** Fluoride levels between 2 and 4 mg/L are too high for children that are 8 years old and younger because it can change the appearance of the teeth's enamel. Fluoride levels greater than 4 mg/L are too high for everyone because it can cause bones to be brittle and fragile. www.cdc.gov/fluoridation/faqs/wellwater.htm

ND = not detected in the sample; N/A = not available
µg/L = micrograms of substance per liter of water = parts per billon
mg/L = milligrams of substance per liter of water = parts per million

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819007

Report To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703

Invoice To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703
Customer ID: 348429

Collection Date: 6/21/2023
Owner:

Collected By:
Well Completion Date:

Unique Well #:
Well Construction:
County:
Driller or Pump Installers License #:
Sampling Location:
Sampling Point: SWIMMING BEACH

Date Received: 9/7/2023
Date Reported: 10/24/2023
Sample Reason: OTHER

Sample/Field ID: B23-0119, 322

Microbiology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 06/22/23 10:15	Analysis Date: 09/13/23 16:23				
Comments: Avian MST Results: Avian GFD = Below LOD Goose Bacterial = Undetected Goose Mitochondrial = Undetected Gull = Undetected Avian MST assays are research based assays that are not fully validated.					
Human Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		
Ruminant Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819007

WDNR LAB ID:113133790 NELAP LAB ID:2091 EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:
LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.
Results relate only to the items tested.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281
Metals: Graham Anderson, Supervisor 608-224-6281
Organics: Erin Mani, Supervisor 608-224-6269
Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230
Water Microbiology: Martin Collins, Supervisor 608-224-6239
Radiochemistry: Jesse Wouters, Supervisor 608-224-6227

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http://www.slh.wisc.edu

Laboratory Report

Environmental Health Division

WSLH Sample: 698819007

Drinking Water Public Health Values for Result Interpretation

Substance*	Public Health Value**
Aluminum	200 µg/L
Arsenic (Total)	10 µg/L
Atrazine	3 µg/L
Bacteria (Total coliform or E.coli)	Absent
Cadmium	5 µg/L
Chromium (Total)	100 µg/L
Cobalt	40 µg/L
Copper	1,300 µg/L
Fluoride	2 mg/L***
Lead	15 µg/L
Manganese	300 µg/L
Molybdenum	60 µg/L
Nickel	100 µg/L
Nitrate	10 mg/L
Nitrate + Nitrite	10 mg/L
Nitrite	1 mg/L
Strontium	1,500 µg/L
Vanadium	30 µg/L
Zinc	2,000 µg/L

*The following substances are not included in the table because they are not of health concern: calcium, hardness, iron, and magnesium.

** Additional information about the public health values can be found at: https://dnr.wisconsin.gov/topic/DrinkingWater/HealthAdvisoryLevels.html

*** Fluoride levels between 2 and 4 mg/L are too high for children that are 8 years old and younger because it can change the appearance of the teeth's enamel. Fluoride levels greater than 4 mg/L are too high for everyone because it can cause bones to be brittle and fragile. www.cdc.gov/fluoridation/faqs/wellwater.htm

ND = not detected in the sample; N/A = not available
µg/L = micrograms of substance per liter of water = parts per billon
mg/L = milligrams of substance per liter of water = parts per million

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819008

Report To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703

Invoice To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703
Customer ID: 348429

Collection Date: 7/20/2023
Owner:

Collected By:
Well Completion Date:

Unique Well #:
Well Construction:
County:
Driller or Pump Installers License #:
Sampling Location:
Sampling Point: SWIMMING BEACH

Date Received: 9/7/2023
Date Reported: 10/24/2023
Sample Reason: OTHER

Sample/Field ID: B23-0233, 322

Microbiology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 07/21/23 10:15	Analysis Date: 09/13/23 16:23				
Comments: Avian MST Results: Avian GFD = 3,517 gene copies/100mL Goose Bacterial = Undetected Goose Mitochondrial = 3,718 gene copies/100mL Gull = Undetected Avian MST assays are research based assays that are not fully validated.					
Human Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		
Ruminant Bacteroides species	Mieszkin et.al/Layton et.al	Below LOD	Gene Copies/100		

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http://www.slh.wisc.edu

Laboratory Report

Environmental Health Division

WSLH Sample: 698819008

WDNR LAB ID:113133790 NELAP LAB ID:2091 EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:
LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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Results relate only to the items tested.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281
Metals: Graham Anderson, Supervisor 608-224-6281
Organics: Erin Mani, Supervisor 608-224-6269
Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230
Water Microbiology: Martin Collins, Supervisor 608-224-6239
Radiochemistry: Jesse Wouters, Supervisor 608-224-6227

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http://www.slh.wisc.edu

Laboratory Report

Environmental Health Division

WSLH Sample: 698819008

Drinking Water Public Health Values for Result Interpretation

Substance*	Public Health Value**
Aluminum	200 µg/L
Arsenic (Total)	10 µg/L
Atrazine	3 µg/L
Bacteria (Total coliform or E.coli)	Absent
Cadmium	5 µg/L
Chromium (Total)	100 µg/L
Cobalt	40 µg/L
Copper	1,300 µg/L
Fluoride	2 mg/L***
Lead	15 µg/L
Manganese	300 µg/L
Molybdenum	60 µg/L
Nickel	100 µg/L
Nitrate	10 mg/L
Nitrate + Nitrite	10 mg/L
Nitrite	1 mg/L
Strontium	1,500 µg/L
Vanadium	30 µg/L
Zinc	2,000 µg/L

*The following substances are not included in the table because they are not of health concern: calcium, hardness, iron, and magnesium.

** Additional information about the public health values can be found at: https://dnr.wisconsin.gov/topic/DrinkingWater/HealthAdvisoryLevels.html

*** Fluoride levels between 2 and 4 mg/L are too high for children that are 8 years old and younger because it can change the appearance of the teeth's enamel. Fluoride levels greater than 4 mg/L are too high for everyone because it can cause bones to be brittle and fragile. www.cdc.gov/fluoridation/faqs/wellwater.htm

ND = not detected in the sample; N/A = not available
µg/L = micrograms of substance per liter of water = parts per billon
mg/L = milligrams of substance per liter of water = parts per million

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http://www.slh.wisc.edu

Laboratory Report

Environmental Health Division

WSLH Sample: 698819009

Report To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703

Invoice To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703
Customer ID: 348429

Collection Date: 7/20/2023
Owner:

Collected By:
Well Completion Date:

Unique Well #:
Well Construction:
County:
Driller or Pump Installers License #:
Sampling Location:
Sampling Point: SWIMMING BEACH

Date Received: 9/7/2023
Date Reported: 10/24/2023
Sample Reason: OTHER

Sample/Field ID: B23-0232, 320

Microbiology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 07/21/23 10:15	Analysis Date: 09/13/23 16:23				
Comments: Avian MST Results: Avian GFD = Undetected Goose Bacterial = Undetected Goose Mitochondrial = Below LOD Gull = Undetected Avian MST assays are research based assays that are not fully validated.					
Human Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		
Ruminant Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		

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http://www.slh.wisc.edu

Laboratory Report

Environmental Health Division

WSLH Sample: 698819009

WDNR LAB ID:113133790 NELAP LAB ID:2091 EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:
LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.
Results relate only to the items tested.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281
Metals: Graham Anderson, Supervisor 608-224-6281
Organics: Erin Mani, Supervisor 608-224-6269
Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230
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Radiochemistry: Jesse Wouters, Supervisor 608-224-6227

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http://www.slh.wisc.edu

Laboratory Report

Environmental Health Division

WSLH Sample: 698819009

Drinking Water Public Health Values for Result Interpretation

Substance*	Public Health Value**
Aluminum	200 µg/L
Arsenic (Total)	10 µg/L
Atrazine	3 µg/L
Bacteria (Total coliform or E.coli)	Absent
Cadmium	5 µg/L
Chromium (Total)	100 µg/L
Cobalt	40 µg/L
Copper	1,300 µg/L
Fluoride	2 mg/L***
Lead	15 µg/L
Manganese	300 µg/L
Molybdenum	60 µg/L
Nickel	100 µg/L
Nitrate	10 mg/L
Nitrate + Nitrite	10 mg/L
Nitrite	1 mg/L
Strontium	1,500 µg/L
Vanadium	30 µg/L
Zinc	2,000 µg/L

*The following substances are not included in the table because they are not of health concern: calcium, hardness, iron, and magnesium.

** Additional information about the public health values can be found at: https://dnr.wisconsin.gov/topic/DrinkingWater/HealthAdvisoryLevels.html

*** Fluoride levels between 2 and 4 mg/L are too high for children that are 8 years old and younger because it can change the appearance of the teeth's enamel. Fluoride levels greater than 4 mg/L are too high for everyone because it can cause bones to be brittle and fragile. www.cdc.gov/fluoridation/faqs/wellwater.htm

ND = not detected in the sample; N/A = not available
µg/L = micrograms of substance per liter of water = parts per billon
mg/L = milligrams of substance per liter of water = parts per million

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http://www.slh.wisc.edu

Laboratory Report

Environmental Health Division

WSLH Sample: 698819010

Report To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703

Invoice To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703
Customer ID: 348429

Collection Date: 8/14/2023
Owner:
Collected By:
Well Completion Date:

Unique Well #:
Well Construction:
County:
Driller or Pump Installers License #:
Sampling Location:
Sampling Point: SWIMMING BEACH
Date Received: 9/7/2023
Date Reported: 10/24/2023
Sample Reason: OTHER
Sample/Field ID: B23-0313, 324

Microbiology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 08/15/23 10:15	Analysis Date: 09/13/23 16:23				
Comments: Avian MST Results: Avian GFD = Below LOD Goose Bacterial = Undetected Goose Mitochondrial = Below LOD Gull = Undetected Avian MST assays are research based assays that are not fully validated.					
Human Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		
Ruminant Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819010

WDNR LAB ID:113133790 NELAP LAB ID:2091 EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:
LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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Results relate only to the items tested.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281
Metals: Graham Anderson, Supervisor 608-224-6281
Organics: Erin Mani, Supervisor 608-224-6269
Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230
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http://www.slh.wisc.edu

Laboratory Report

Environmental Health Division

WSLH Sample: 698819010

Drinking Water Public Health Values for Result Interpretation

Substance*	Public Health Value**
Aluminum	200 µg/L
Arsenic (Total)	10 µg/L
Atrazine	3 µg/L
Bacteria (Total coliform or E.coli)	Absent
Cadmium	5 µg/L
Chromium (Total)	100 µg/L
Cobalt	40 µg/L
Copper	1,300 µg/L
Fluoride	2 mg/L***
Lead	15 µg/L
Manganese	300 µg/L
Molybdenum	60 µg/L
Nickel	100 µg/L
Nitrate	10 mg/L
Nitrate + Nitrite	10 mg/L
Nitrite	1 mg/L
Strontium	1,500 µg/L
Vanadium	30 µg/L
Zinc	2,000 µg/L

*The following substances are not included in the table because they are not of health concern: calcium, hardness, iron, and magnesium.

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819011

Report To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703

Invoice To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703
Customer ID: 348429

Collection Date: 8/14/2023
Owner:

Collected By:
Well Completion Date:

Unique Well #:
Well Construction:
County:
Driller or Pump Installers License #:
Sampling Location:
Sampling Point: SWIMMING BEACH

Date Received: 9/7/2023
Date Reported: 10/24/2023
Sample Reason: OTHER

Sample/Field ID: B23-0312, 322

Microbiology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 08/15/23 10:15	Analysis Date: 09/13/23 16:23				
Comments: Avian MST Results: Avian GFD = Below LOD Goose Bacterial = Undetected Goose Mitochondrial = Undetected Gull = Undetected Avian MST assays are research based assays that are not fully validated.					
Human Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		
Ruminant Bacteroides species	Mieszkin et.al/Layton et.al	Below LOD	Gene Copies/100		

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819011

WDNR LAB ID:113133790 NELAP LAB ID:2091 EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:
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Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

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Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.
Results relate only to the items tested.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

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Metals: Graham Anderson, Supervisor 608-224-6281
Organics: Erin Mani, Supervisor 608-224-6269
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Radiochemistry: Jesse Wouters, Supervisor 608-224-6227

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819011

Drinking Water Public Health Values for Result Interpretation

Substance*	Public Health Value**
Aluminum	200 µg/L
Arsenic (Total)	10 µg/L
Atrazine	3 µg/L
Bacteria (Total coliform or E.coli)	Absent
Cadmium	5 µg/L
Chromium (Total)	100 µg/L
Cobalt	40 µg/L
Copper	1,300 µg/L
Fluoride	2 mg/L***
Lead	15 µg/L
Manganese	300 µg/L
Molybdenum	60 µg/L
Nickel	100 µg/L
Nitrate	10 mg/L
Nitrate + Nitrite	10 mg/L
Nitrite	1 mg/L
Strontium	1,500 µg/L
Vanadium	30 µg/L
Zinc	2,000 µg/L

*The following substances are not included in the table because they are not of health concern: calcium, hardness, iron, and magnesium.

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WSLH Sample: 698819012

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Customer ID: 348429

Collection Date: 8/14/2023
Owner:

Collected By:
Well Completion Date:

Unique Well #:
Well Construction:
County:
Driller or Pump Installers License #:
Sampling Location:
Sampling Point: SWIMMING BEACH

Date Received: 9/7/2023
Date Reported: 10/24/2023
Sample Reason: OTHER

Sample/Field ID: B23-0304, 330

Microbiology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 08/15/23 10:15	Analysis Date: 09/13/23 16:23				
Comments: Avian MST Results: Avian GFD = Undetected Goose Bacterial = Undetected Goose Mitochondrial = Below LOD Gull = Undetected Avian MST assays are research based assays that are not fully validated.					
Human Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		
Ruminant Bacteroides species	Mieszkin et.al/Layton et.al	undetected	Gene Copies/100		

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819012

WDNR LAB ID:113133790 NELAP LAB ID:2091 EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819012

Drinking Water Public Health Values for Result Interpretation

Substance*	Public Health Value**
Aluminum	200 µg/L
Arsenic (Total)	10 µg/L
Atrazine	3 µg/L
Bacteria (Total coliform or E.coli)	Absent
Cadmium	5 µg/L
Chromium (Total)	100 µg/L
Cobalt	40 µg/L
Copper	1,300 µg/L
Fluoride	2 mg/L***
Lead	15 µg/L
Manganese	300 µg/L
Molybdenum	60 µg/L
Nickel	100 µg/L
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Laboratory Report

Environmental Health Division

WSLH Sample: 698819013

Report To:
SAVANNAH BERGMAN
EAU CLAIRE CITY-CO HEALTH DEPT
720 SECOND AVE
EAU CLAIRE, WI 54703

Invoice To:
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Collection Date: 8/14/2023
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Well Construction:
County:
Driller or Pump Installers License #:
Sampling Location:
Sampling Point: SWIMMING BEACH

Date Received: 9/7/2023
Date Reported: 10/24/2023
Sample Reason: OTHER

Sample/Field ID: B23-0305, 326

Microbiology

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 08/15/23 10:15	Analysis Date: 09/13/23 16:23				
Comments: Avian MST Results: Avian GFD = Below LOD Goose Bacterial = Undetected Goose Mitochondrial = Undetected Gull = Undetected Avian MST assays are research based assays .					
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Laboratory Report

Environmental Health Division

WSLH Sample: 698819013

WDNR LAB ID:113133790 NELAP LAB ID:2091 EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

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Laboratory Report

Environmental Health Division

WSLH Sample: 698819013

Drinking Water Public Health Values for Result Interpretation

Substance*	Public Health Value**
Aluminum	200 µg/L
Arsenic (Total)	10 µg/L
Atrazine	3 µg/L
Bacteria (Total coliform or E.coli)	Absent
Cadmium	5 µg/L
Chromium (Total)	100 µg/L
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FACT SHEET

TO FILE NO. 23-24/054

This is a proposal to revise the county code to include language that addresses electric bikes. Electric bikes have become extremely popular within our community and county parks. The county currently does not have language in the code that either allows or disallows the use of these bikes.

Numerous public meetings have been held and input was received from Chippewa Off Road Bike Association (CORBA). Based on community and staff input, the design and layout of the current trails, and environmental impacts pertaining to electric bikes, Class 1 electric bikes only is the recommended policy for county parks.

Fiscal Impact: $200 for signage to be designed and installed at Lowes Creek County Park.

Respectfully Submitted,

Josh Pedersen
Director Parks and Forest

Enrolled No. ORDINANCE File No. 23-24/054

TO RELETTER 16.30.005 OF THE CODE I. THROUGH BB. TO J. THROUGH CC.: DEFINITIONS; TO CREATE SECTION 16.30.005 M. OF THE CODE: DEFINITIONS; TO AMEND SECTION 16.30.140 C. OF THE CODE: VEHICULAR TRAFFIC

The County Board of Supervisors of the County of Eau Claire does ordain as follows:

SECTION 1. That Subsections I. through BB. of Section 16.30.005 be relettered to J. through CC.

SECTION 2. That Subsection I. of Section 16.30.005 of the code be created to read:

M. "Class 1 e-bikes" Class 1 e-bikes are bicycles with electric pedal-assist only and do not come with a throttle. Class 1 e-bikes are limited to a top speed of 20 mph using pedal assist.

SECTION 3. That Subsection C. of Section 16.30.140 of the code be amended to read:

C. It is unlawful to operate or park any vehicle on other than established roads and parking areas. This prohibition includes, but is not limited to, ski trails, hiking trails, snowmobile trails, beach areas, playgrounds and picnic areas within the lands subject to the committee's jurisdiction. Bicycles and Class 1 e-bikes shall be allowed on the Lowes Creek Park Ski Trail year round providing there is minimal impact on the ski trail with the parks & forest director or designee having authority to close the trails to bicycles if deemed necessary.

ENACTED:

_____

_____

_____

_____

_____
Parks and Forest Committee

VOTE: _____ Aye _____ Nay

CE:yk

Dated this _____ day of _____, 2023.

FACT SHEET

TO FILE NO. 23-24/050

This is a proposal to revise 16.02.020 (Restrictions on timber and pulp cutting-Eau Claire County Forest) of county code. The purpose of this revision is to update language to match the 15 year County Forest Comprehensive Land Use Plan, correct references to other parts of county code, better define how the 300' buffer is measured, and provide clarity on when clearcutting within the buffer zone is allowed.

Fiscal Impact: $0

Respectfully Submitted,

Josh Pedersen
Director Parks and Forest

Enrolled No. ORDINANCE File No. 23-24/050

TO AMEND SECTION 16.02.020 OF THE CODE: RESTRICTIONS ON TIMBER AND PULP CUTTING-EAU CLAIRE COUNTY FOREST

The County Board of Supervisors of the County of Eau Claire does ordain as follows:

SECTION 1. That Section 16.02.020 of the code be amended to read:

16.02.020 Restrictions on timber and pulp cutting-Eau Claire County Forest. No clearcutting of timber, pulpwood or firewood shall be allowed from a zone extending for three hundred feet of the ordinary high water mark, except for the purpose of insect/disease control. salvage operations, and conifer stands that will be regenerated by seeding or planting following the harvest. ~~or to the landward side of the floodplain, whichever distance is greater on either side of the Eau Claire River in the county forest.~~ The zone shall be measured along the lay of the land (the linear distance along the ground). ~~from the banks of the river, as determined from its normal high water elevation.~~ Thinning of timber, pulpwood, or firewood within this zone shall be allowed only pursuant to 16.30.520 D. and 20.07.002 of the Shoreland Zoning Code. ~~Cutting shall only be permitted for the purpose of erosion control, disease control, or aesthetic enhancement.~~ This prohibition shall apply to the Eau Claire River, as well as its north and south forks.

ENACTED:

_____

_____

_____

_____

_____
Committee on Parks and Forest

VOTE: _____ Aye _____ Nay

JP/yk

Dated this _____ day of _____, 2023.

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

Tony Evers, Governor
Adam N. Payne, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

October 18, 2023

Mr. Josh Pedersen
Eau Claire County Director of Parks and Forest Department
227 1st Street West, Suite A
Altoona, WI 54720

Subject: 2022 Dam Safety Inspection Concurrence
Altoona Dam, Field File #18.09, DKSN 12
Eau Claire County, Wisconsin

Dear Mr. Pedersen:

Thank you for your cooperation with the Department's required dam safety inspections. We have reviewed the inspection report prepared by Christopher Goodwin, P.E., with Ayres Associates (Ayers), which was submitted to the Department of Natural Resources (Department) on October 13, 2022. The inspection was completed on August 11, 2022. The report and recommendations meet the requirements of Ch. 31.19, Wisconsin Statutes for owner-responsible inspections of large dams. The report included specific recommendations for the dam.

Altoona Dam is a large, high hazard dam with a structural height of 44 feet, a concrete crest length of 240 feet, and a maximum storage of 14,000 acre-feet. The primary spillway consists of six 20-foot-wide radial Tainter gates and an 88-foot-long overflow spillway section. The low-level outlet consists of a 6-foot x 6-foot sluice gate, but it has not been operated for many years and there is no operating device on site.

On October 25, 2006, an Administrative Law Judge ordered under Ch. 31.02 Wis. Statutes and docket ID, 2-WP-2005-758, "that the Altoona Lake Dam water level in Permit 2-WP-758 is amended to require that the winter drawdown shall not exceed .70 of a foot as of October 31, 2006, and the water level to be maintained in Altoona Lake shall be at minimum elevation 801.00 feet and at maximum elevation 803.00, Public Service Commission datum, year round." This decision was later affirmed by the Circuit Court, Branch 2, on August 23, 2007. The order did not contain benchmark information, however historical benchmarks may have been used to reference the water level elevations. The Department understands that there is a gage located on the dam which records water elevations and temperature every half hour. The gage appears to be set at 792.39 ft. MSL.

The Department has an Emergency Action Plan (EAP) dated 2016 and an Inspection, Operation, and Maintenance Plan (IOM) dated 2016 on file for Altoona Dam.

The inspection report includes timeframes for addressing the deficiencies and improving the safety and structural integrity of the dam. We have modified the recommended timeframes below in our directives to you to make repairs to bring the dam into compliance with the code.

DIRECTIVES **DATE DUE**

1. Repair Concrete Spalling **October 31, 2024**

As noted in Item #1 of the 2022 Ayres inspection report, the concrete along the spillway is deteriorating, spalling, and rebar is exposed and it should be repaired. Specific locations that were noted in the Ayres inspection report

include the far right Tainter gate trunnion buttress and at the right end of walkway. Any additional deteriorated, cracked, or spalled areas should be repaired as well. Concrete deterioration should be repaired on a routine basis to prevent progression of the deterioration.

2. Assess Tainter Gate Operation in Winter **April 30, 2024**

As noted in Item #2 of the 2022 Ayres inspection report, operation of the Tainter gates in the winter during extreme cold conditions is difficult. An inspection of the gates should be made during the winter of 2023-24 to observe the icing conditions and to develop a plan to repair to prevent icing of the gates. The results of the winter observation and plan to prevent icing in the future should be submitted to the Department by the date listed above.

3. Submit an updated Emergency Action Plan **June 30, 2024**

As noted in Item #3 of the 2022 Ayres inspection report, an update to the Emergency Action Plan (EAP) is warranted. The EAP on file with the DNR appears to be dated 2016. A full review of this document should be conducted and updated to reflect position changes, contact updates, site changes, and emergency operations, if applicable. The updated EAP must be submitted to the Department for review and approval. Refer to the Department's website which contains a template EAP document and a guide to writing EAPs to assist you in drafting an effective EAP: https://dnr.wisconsin.gov/topic/dams/documentsEAP.html

4. Submit an updated Inspection, Operation, and Maintenance Plan (IOM) **June 30, 2024**

As noted in Item #4 of the 2022 Ayres inspection report, an update to the Inspection, Operation and Maintenance Plan (IOM) is warranted. The IOM on file with the DNR appears to be dated 2016. A full review of this document should be conducted and updated to reflect staff changes, site changes, and any operational changes. Also please include provisions for ongoing monitoring and inspections of particular components as explained in the bullet points below. Refer to the Department's website which contains a template IOM document and a guide to writing IOMs to assist you in drafting an effective IOM:
https://dnr.wisconsin.gov/topic/dams/documentsIOM.html

- **Monitor Gate Leakage**
  The 2020 inspection identified the need for monitoring leakage under several of the Tainter gates. A plan for regular monitoring of the gates seals should be included in the IOM and the results should be included in inspection checklists and reports. The plan for monitoring of the leakage should include methods or guidance for measuring or estimating flow rates so that comparisons can be made from one observation to the next. Reservoir pool elevations should be documented during the readings. The data should be reviewed at least quarterly by the Owner as well as provided to dam safety inspectors and the Department on a yearly basis. The IOM should propose additional actions to take if changes to the leakage rate are observed.
- **Downstream Scour Surveys**
  Downstream scour surveys have been performed in the past and should continue to be performed. The IOM should be updated to include a schedule of scour surveys, with provisions to include results of the scour surveys in reports to the Department. Establishing a schedule will allow for preparing budgets and writing scope of services in advance in years where this type of inspection is needed.
- **Inspections of Underwater Features**
  The IOM should also establish a schedule for Inspection of underwater components of the dam, such as Tainter gate apron, overflow spillway aprons, the upstream and downstream faces of the spillway, and any other pertinent underwater features of the dam should also occur on a predetermined periodic basis to assess condition and/or detect undermining. Identifying and repairing areas of deterioration, cracking, rebar exposure, erosion, headcutting, undercutting, or other deficiencies can prevent the progression of dam safety issues. The IOM should be updated to include a schedule for underwater inspections, which

could coincide with the scour survey. Establishing a schedule will allow for preparing budgets and writing scope of services in advance in years where this type of inspection is needed.

- **Include Berm North of the Spillway in Inspections**
  The 1999 Lake Altoona Dam Rehabilitation drawings by URS Greiner Woodward Clyde show an earthen berm located approximately 200 feet north of the right abutment. The berm appears to fill in a low spot along the reservoir rim and an 18-inch diameter CMP was installed through the berm. It is unclear if there is control on the CMP conduit. If the berm was constructed and it is a water retaining structure, even if only during high water events, the berm should be included on visual inspections and should be properly maintained. Please show the location of the berm, the operability and location of the 18-inch CMP, and the condition of the berm in the IOM and create provisions for inspection.

5. Perform a Downstream Scour Survey **December 31, 2024**

As noted in Item #5 of the 2022 Ayres inspection report, a downstream scour survey is required to assess the condition of the downstream discharge channel. The Ayres inspection checklist noted that a Hydrosurvey was completed in 2020 but the inspection cover letter indicates that the last inspection was performed in 2012 and a new inspection should be performed. If the last scour survey was performed in 2012, it is recommended to perform a downstream scour survey in conjunction with the 2024 dam safety visual inspection. If a scour survey was performed in 2020, no additional survey is required. The results between the 2012 and the 2020 or 2024 survey (as applicable) should be compared to look for signs of channel movement and scour holes. Provide results of the scour survey, comparison to 2012 survey, and any recommendations for repair to the Department.

6. Verify Ownership at Left (South) Abutment **April 30, 2024**

As noted in Item #6 of the 2022 Ayres inspection report, the operator noted that the County may not own the land at the left abutment. The County should verify the ownership of the left abutment and if they are not the owner, the County should consider purchasing the land or obtaining an easement from the current Owner. Provide verification of the ownership of the left abutment to the Department.

7. Inspect and Repair Sluice Gate **December 31, 2024**

While not specifically mentioned in the cover letter, the 2022 Ayres inspection report noted the sluice gate has not been operated in several years and there was no operating device on site. The sluice gate and conduit should be inspected in conjunction with the 2024 dam safety visual inspection, which may require an underwater inspection, to determine the condition of the gate and conduit and to determine if it can be safely operated. The sluice gate should be repaired or replaced based on the inspection. The sluice gate is the only way to drawdown the reservoir in an emergency and the sluice gate should be returned to a safe operating condition.

OTHER RECOMMENDATIONS

- Based on photos in the Ayres inspection report, the Tainter gates appeared to need painting as paint was missing in some locations and rust was apparent. The gates should be painted on a regular basis to prevent erosion and deterioration of the gates.
- Vegetation was noted near the left abutment in the 2022 Ayres inspection report. Vegetation on the abutments should be maintained at a low level to allow for visual inspection. Brush, woody vegetation, and trees should also be removed. The Federal Emergency Management Agency (FEMA) has a document titled “Technical Manual for Dam Owners: Impacts of Plants on Earthen Dams,” dated 2005 provides guidance on how to manage and how to properly remove vegetation from embankments.

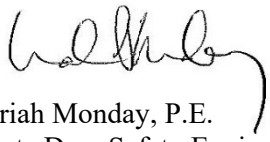
If you are unable to meet the schedule for the completing the directives listed above, please submit a revised schedule to the Department by **November 30, 2023**. If we do not hear from you by then, the schedule listed above will be in effect. If the schedules are not met, the Department may have to consider other alternatives to ensure the safety of the dam is maintained.

This concurrence letter contains a sufficiency rating based on Departmental guidance dated September 18, 2012. The rating is only intended to reflect the Department's interpretation of the physical conditions on the day of the inspection outlined in the report prepared by your consultant. The rating is not required by State Statute and does not imply any regulatory significance. The rating is not a Departmental certification of the overall safety, structural adequacy, hydraulic capacity or operation of the dam during any loading conditions. Departmental staff has been requested to assign sufficiency ratings to be in compliance with Federal grant requirements for the State Dam Safety Program. Altoona Dam has a sufficiency rating of **Fair** due to the issues described in this concurrence letter.

The next inspection required for the Altoona Dam is scheduled for **2024.**

If you have any questions concerning this letter, please contact me at Uriah.Monday@wisconsin.gov or 608-225-6716. If you have any questions regarding the operation and maintenance of your dam, or you are uncertain how to proceed with the directives above, please contact Forrest Van Asten at Forrest.VanAsten@wisconsin.gov or 715-493-0371

Sincerely,



Uriah Monday, P.E.
State Dam Safety Engineer
Wisconsin Department of Natural Resources

cc: Adam Schneider, P.E., Ayres Associates
Forrest Van Asten, P.E., WDNR Regional Water Management Engineer