



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7539**

SCHEDULED SALE DATE AND TIME: 12:00 p.m. (local time) on January 2, 2025.

LOCATION: ESCANABA MGMT UNIT, 6833 HWY'S 2, 41 & M-35, GLADSTONE, MI 49837.

PROSPECTUS NOTE: The bidder is advised to inspect the sale area and review the location, estimated volumes, operating costs and contract terms of proposed sales. Please be aware that some landowners may request 60 days or more notice for access across their land.

Notice is hereby given that bids will be received by the Unit Manager, CRYSTAL FALLS MANAGEMENT UNIT, for certain timber on the following described lands:

Exodus 2024 (12-007-24) / T42N, R29W, SEC. 3 , W1/2NW.

T42N, R29W, SEC. 4 , N1/2NW,NE.

T42N, R29W, SEC. 5 , NENE.

T43N, R29W, SEC. 28, SWSW.

T43N, R29W, SEC. 32, SESE.

T43N, R29W, SEC. 33, N1/2NW,NWNE,SWSW.

Dickinson County, Advertised Price \$50,868.40, 104.3 Acres, Aspen, Hardwood.

SALE NOTE: Enbridge Gas will need to be contacted prior to crossing or operating within their right-of-way. Private access has been tentatively approved but is still required to obtain by Purchaser; the Sale Administrator has contact info. Roadwork will be needed to access Payment Unit 5 - proposed road has been flagged in and will need to be adhered to. Only trees marked in purple in Payment Unit 5 are to be cut (this stand was marked previously but not cut). Green marked trees in other units are to be retained!

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions. Access may be through private land.

Luddite Wallow (12-008-24) / T41N, R29W, SEC. 18, N1/2NW.

T41N, R29W, SEC. 7 , NWSW,S1/2SW.

T41N, R30W, SEC. 12, NESW,S1/2SW,SE.

T41N, R30W, SEC. 13, N1/2NE.

Dickinson County, Advertised Price \$78,184.55, 150.3 Acres, Aspen, Hardwood.

SALE NOTE: A temporary bridge will be required to access Payment Units 4 & 5, including approximately 600 feet of proposed new road construction. Bridge may be available from the DNR upon availability. Payment Units 4 & 5 are limited to frozen ground conditions.

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.

Motorbike Moose (12-010-24) / T44N, R27W, SEC. 17, SWNW.

T44N, R27W, SEC. 18, NW,NE,N1/2SW,SWSW,NWSE.

T44N, R27W, SEC. 7 , S1/2SW,SWSE.

T44N, R28W, SEC. 13, SENE,NESE.

Dickinson County, Advertised Price \$172,808.40, 234.3 Acres, Hardwood, Aspen.

SALE NOTE: The first (south) half mile of Simpson Road will require gravel, a minimum of 4" deep. Gravel may be available from State land.

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.

Bummer Summer (12-011-24) / T44N, R28W, SEC. 19, SENE,E1/2SW,NWSE,S1/2SE.

T44N, R28W, SEC. 20, SWNW,SW,SWSE.

T44N, R28W, SEC. 29, N1/2NW,SWNW.

T44N, R28W, SEC. 30, NENW,NE,N1/2SE,SESE.

Dickinson County, Advertised Price \$181,055.10, 273.9 Acres, Hardwood, Aspen.

SALE NOTE: Payment Unit 10 is a frozen ground or very dry summer harvest only. It is also a scaled unit. The Sale Administrator will need to scale wood before it can be hauled .

BID INSTRUCTIONS (VER. 10/10/2022):

1. Scheduled Bid Location, Date, and Time (2/11)

Bids must be received by the Unit Manager, ESCANABA OFFICE, 6833 Hwy's 2, 41 & M-35, Gladstone, MI 49837, no later than 12:00 p.m. (local time) on January 2, 2025. For further information concerning this sale, contact Daniel Racine at 906-789-8231.

2. Bidder's Qualifications (10/22)

If all or part of a timber sale was prepared by a private contractor, the contractor and that contractor's company are not permitted to bid on the timber sale. A person must be 18 years of age or older to purchase timber. Permanent employees of the Department of Natural Resources or members of their immediate household may not bid. Former employees, in the permanent or seasonal class, may not bid until 3 months after the last day of active duty. Bids will not be accepted from individuals or companies appearing on the DNR/FRD No-Bid List. This list contains the names of purchasers who previously failed to execute a contract within 21-days or who have a history of poor performance.

3. Preparation of Sealed Bids (5/16)

Bid Forms may be completed online thru Michigan DNR Timber Sale Online Bidding (OLB) at www.michigan.gov/timberbidding or by completing the hardcopy Bid Form found in the Timber Sale Prospectus. Hardcopy Bid Forms shall be manually signed in ink. Registration in OLB is considered your 'signature' for all bids submitted thru that system. Bid prices must be entered for each species and product in the Bid Price column for all material subject to bidding and all fill-in blanks must be completed. If erasures or other changes appear on the hardcopy Bid Form, each erasure or change must be initialed by the person signing the bid.

4. Submission of Sealed Bids (5/16)

Bid forms may be obtained from the Unit Manager or thru OLB. Bids may be submitted hardcopy or thru OLB. All hardcopy bids must be submitted on the bid form and in an envelope clearly identified as described in this section. NOTE: Only one bid form per bid envelope. Sealed bids must be submitted to the Unit office designated in the prospectus and must be submitted at or prior to the time established in the prospectus. The envelope should show on the outside (a) the sale name or number and (b) the date and time of bid opening, as shown in the prospectus. Bids received after the time specified in the sale prospectus are late bids and will be rejected.

It is possible for a bidder to submit multiple bids on a single sale. For example, a bid may be submitted hardcopy and a bid may be submitted thru OLB. Or, two bidders from the same company could both submit bids on the same sale. If this were to happen, the State would accept all bids received and award the contract accordingly. All bidding and contractual requirements would apply to all bids received.

5. Public Opening of Sealed Bids (7/16)

If conditions permit, the sealed bids will be publicly opened and posted at the time and place set in the prospectus.

If a bidder, present at a bid opening, has submitted bids on more than one sale, that bidder may withdraw their unopened bid envelopes or announce the withdrawal of their online bid after being declared the successful bidder on one sale.

6. Award of Contract (1/11)

Award of the contract will be made to the Bidder whose bid, conforming to the prospectus, is most advantageous to the State of Michigan on the basis of total value at rates bid for the estimated quantities. The State reserves the right to reject any bid or waive any minor irregularity in bids received. A written award mailed (or otherwise furnished) to the successful Bidder shall be deemed to result in a binding contract without further action by either party.

7. Down Payment (1/11)

The Bidder to whom award is made must make a down payment within 21 days of the sale award. The amount of the down payment will be calculated as shown in the Bond and Payment Schedule of this prospectus. Only cash may be used to meet this requirement.

8. Performance Security (1/11)

As guarantee of faithful performance, a cash bond, certificate of deposit, surety bond or irrevocable letter of credit (LOC) is required within 21 days of the sale award. The amount of the performance security is shown in the Bond and

Payment Schedule of this prospectus. If an LOC or surety is used, the coverage must extend for at least 6 months beyond the contract expiration.

9. Worker's Compensation (10/22)

Purchaser shall obtain worker's compensation insurance to cover claims under Michigan's Worker's Disability Compensation Act of 1969 or similar employee benefit act of any other state applicable to an employee. Verification of Worker's Disability Compensation Act Compliance must be completed and submitted within 21 days of contract award and prior to the issuance of the timber sale contract. In addition, if applicable, Notice of Exclusion or Certificate of Insurance must also be submitted.

10. Timber Sale Contract (10/22)

Additional conditions and requirements common to all timber sales are listed on the timber sale contract (R4031) and are available on line at www.michigan.gov/timber. Contact the Unit Manager for additional information or a sample contract. Within 21 days of the date of the award letter, the bidder must sign the contract and provide the required down payment, performance security, and verification of worker's disability compensation. The down payment and performance security shall be in accordance with the provisions of the timber sale contract, in the sums stated in this prospectus. If these actions are not taken, then the Bidder, the Bidder's corporation, and the corporation's principals may not be permitted to bid on State timber sales for a period of 3 months after the first offense, 6 months after the second offense, and 1 year after the third offense. An offense will only be counted against the Bidder for 5 years. In addition, the Bidder certifies that if awarded this contract, the Bidder will complete the timber sale contract in accordance with its terms and any modifications thereof including requirements to purchase, cut, and remove the included timber by the expiration date.

Payment Unit values in the State Forest Timber Sale Contract are calculated based on the advertised value of the Payment Unit as a percentage of the total advertised value of the contract. The advertised value of each Payment Unit is given in the Description of Timber by Payment Unit table on the Timber Sale Information page. For example, if the value of Payment Unit 1 is advertised as \$1,500 and the total Timber Sale value is advertised as \$10,000, the contract price for Payment Unit 1 will be 15% of the total bid price ($\$1,500/\$10,000 * 100$).

11. Disclaimer of Estimates and Bidder's Warranty of Inspection (10/22)

Before submitting this bid, the Bidder is advised and cautioned to inspect the sale area, review the requirements of the sale contract, and take other steps as may be reasonably necessary to ascertain the location, estimated volumes, construction estimates, and operating costs of the proposed sale. Failure to do so will not relieve the Bidder from responsibility for completing the contract.

The Bidder warrants that this bid is submitted solely on the basis of the Bidder's examination and inspection of the quality and quantity of the timber offered for sale and the Bidder's opinion of the value thereof and the costs of recovery. No reliance should be placed on the State of Michigan's estimates of timber quality, quantity or costs of recovery. Bidder further acknowledges that the State of Michigan: (i) expressly disclaims any warranty of fitness of timber for any purpose; (ii) offers this timber as is without any warranty of quality (merchantability) or quantity and (iii) expressly disclaims any warranty as to the quantity or quality of timber sold.

12. Certification and Chain-of-Custody (10/22)

Unless otherwise indicated in the contract under section 7 – Other Conditions of the Sale Specific Conditions & Requirements, the area encompassed by this timber sale is certified to the standards of the Forest Stewardship Council (FSC) - Certificate #SCS-FM/COC-00090N and the Sustainable Forestry Initiative (SFI) - Certificate #NSF-SFIS-5Y031-SF5. Forest products from this sale may be delivered to the mill as "FSC 100% and / or SFI certified" as long as the contractor hauling the forest products is chain-of-custody (COC) certified or covered under a COC certificate from the destination mill. The purchaser is responsible for maintaining COC after leaving the sale area.

13. Good Neighbor Authority (GNA) Requirements (10/22)

If the name of this timber sales contains the acronym GNA, it is authorized by the Good Neighbor Authority (GNA) and covered by various agreements between the U.S. Forest Service and the State. The timber sale occurs on federal land and the following conditions apply:

GNA contracts on US Forest Service land will not be awarded to purchasers on the Federal list of excluded parties. The System for Award Management (SAM) will be checked for active excluded parties prior to award of contract. In

addition, the Bidder to whom award is made must complete an Assurance Regarding Felony Conviction or Tax Delinquent Status for Corporate Applicants (AD-3031).

14. Good Neighbor Authority (GNA) Requirements, con't (10/22)

Bidder certifies, by signing this bid form, that to the best of Bidder's knowledge that the following representations are accurate and complete.

- a. That the Bidder and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntary excluded from timber sales (covered transactions) by any Federal department or agency.
- b. That the Bidder and its principals have not within a 3-year period preceding this bid been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining , attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
- c. That the Bidder and its principals are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph b of this certification.
- d. That the Bidder and its principals have not within a 3-year period preceding this bid had one or more public transactions (Federal, State, or local) terminated for breach or default of a timber or forest product contract.

Bidders that cannot certify this requirement, in whole or in part, shall submit an explanation with their bid.

Scott Bowen
Director

TIMBER SALE INFORMATION

Exodus 2024 (12-007-24)

T42N, R29W, SEC. 3; T42N, R29W, SEC. 4; T42N, R29W, SEC. 5; T43N, R29W, SEC. 28; T43N, R29W, SEC. 32; T43N, R29W, SEC. 33.

SALE NOTE: Enbridge Gas will need to be contacted prior to crossing or operating within their right-of-way. Private access has been tentatively approved but is still required to obtain by Purchaser; the Sale Administrator has contact info. Roadwork will be needed to access Payment Unit 5 - proposed road has been flagged in and will need to be adhered to. Only trees marked in purple in Payment Unit 5 are to be cut (this stand was marked previously but not cut). Green marked trees in other units are to be retained!

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions. Access may be through private land.

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the Inventory Manager computer program and the new Michigan taper model. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Basswood	27.9 MBF	\$ 87.00 / MBF
Sugar Maple	25.8 MBF	\$ 262.00 / MBF
Pulpwood		
Balsam Fir	72 Cords	\$ 5.40 / Cord
Basswood	68 Cords	\$ 7.05 / Cord
Mixed Hardwood	870 Cords	\$ 13.55 / Cord
Mixed Spruce	77 Cords	\$ 11.60 / Cord
Quaking Aspen	1,428 Cords	\$ 19.70 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 15.79 percent. There are an estimated 2,642 cords on this timber sale, plus or minus 417 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$4,069.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule :
 - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - (b) The 10% down payment will be credited towards the first unit cut.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	6.4%
02	11.7%
03	40.0%
04	21.5%
05	20.4%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2028.

SALE STATISTICS

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
208,755	2,642	15.79%	2,225	3,060

VDU VOLUMES

A VDU is a Volume Determination Unit. Volumes and their associated statistics are calculated at the VDU level and summarized to the sale level. There is often a one to one relationship between a VDU and a Payment Unit, but not always, depending on the cruise design. Refer to the VDU TO PAYMENT UNIT table.

	VOLUME			RANGE IN CORDS	
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
13	8,540	108	70.35%	32	184
17	4,406	56	65.68%	19	92
26	27,968	354	45.78%	192	516
38	4,287	54	71.06%	16	93
48	50,438	638	41.66%	372	904
51	76,793	972	26.39%	715	1,229
53	36,323	460	26.07%	340	580
TOTAL:	208,755	2,642		1,687	3,598

VDU TO PAYMENT UNIT

When a VDU is associated with more than one Payment Unit (PU), the VDU volumes are assigned to the PU based on acres of the VDU within the PU.

VDU	VDU ACRES	PU	PU ACRES
13	5.9	3	5.9
17	4.9	1	4.9
26	10.5	2	10.5
38	5.4	1	5.4
48	23.8	4	23.8
51	26.3	3	26.3
53	27.5	5	27.5
TOTAL:	104.3		104.3

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	3.7	MBF	10.3	\$3,238.75
	Sugar Maple		6.1	MBF		
	Bassam Fir	Pulpwood	8	Cords		
	Basswood		7	Cords		
	Mixed Hardwood		26	Cords		
	<i>Sugar Maple</i>		26	<i>Cords</i>		
	Mixed Spruce		4	Cords		
	<i>White Spruce</i>		4	<i>Cords</i>		
	Quaking Aspen		42	Cords		
2	Bassam Fir	Pulpwood	31	Cords	10.5	\$5,952.70
	Mixed Hardwood		90	Cords		
	<i>Bassam Poplar</i>		77	<i>Cords</i>		
	<i>Red Maple</i>		10	<i>Cords</i>		
	<i>Sugar Maple</i>		3	<i>Cords</i>		
	Mixed Spruce		3	Cords		
	<i>White Spruce</i>		3	<i>Cords</i>		
	Quaking Aspen		230	Cords		
	3	Basswood	Sawtimber	12.4		
Sugar Maple			5.1	MBF		
Bassam Fir		Pulpwood	33	Cords		
Basswood			40	Cords		
Mixed Hardwood			240	Cords		
<i>Bassam Poplar</i>			7	<i>Cords</i>		
<i>Black Cherry</i>			4	<i>Cords</i>		
<i>Ironwood</i>			3	<i>Cords</i>		
<i>Red Maple</i>			5	<i>Cords</i>		
<i>Sugar Maple</i>			221	<i>Cords</i>		
Mixed Spruce			5	Cords		
<i>White Spruce</i>			5	<i>Cords</i>		
Quaking Aspen			720	Cords		
4	Basswood	Pulpwood	5	Cords	23.8	\$10,927.20
	Mixed Hardwood		171	Cords		
	<i>Red Maple</i>	<i>Sawtimber</i>	1.5	<i>MBF</i>		
	<i>Black Cherry</i>	<i>Pulpwood</i>	10	<i>Cords</i>		
	<i>Paper Birch</i>		6	<i>Cords</i>		
	<i>Red Maple</i>		109	<i>Cords</i>		
	<i>Sugar Maple</i>		43	<i>Cords</i>		
	Mixed Spruce		65	Cords		
	<i>Black Spruce</i>		22	<i>Cords</i>		
	<i>White Spruce</i>		43	<i>Cords</i>		
	Quaking Aspen		397	Cords		
	5	Basswood	Sawtimber	11.8		
Sugar Maple			14.6	MBF		
Basswood		Pulpwood	16	Cords		
Mixed Hardwood			343	Cords		
<i>Red Maple</i>		<i>Sawtimber</i>	1.7	<i>MBF</i>		
<i>Red Maple</i>		<i>Pulpwood</i>	80	<i>Cords</i>		
<i>Sugar Maple</i>			260	<i>Cords</i>		
Quaking Aspen			39	Cords		
TOTAL:			53.7	MBF		
TOTAL:			2,515	Cords		

Sale Specific Conditions & Requirements

Sale Name: Exodus 2024

Sale Number: 12-007-24 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue, red and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint.

2 - Timber Specifications

2.1 - Included Timber

2.1.2 - Clearcut unit(s) w/o unmerchantable trees (8/11)

Within Payment Unit(s) 2 & 3, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut white pine, red pine, yellow birch, white birch, black ash or any trees marked in green paint. Spruce and fir that have 2 sticks or more may be cut.

Within Payment Unit 4, cut all trees that are two (2) inches or more at DBH, except white pine, red pine, yellow birch, or trees marked in green paint. Spruce and fir that have 2 sticks or more may be cut.

2.1.3 - Cut tree marked unit(s) (12/08)

Within Payment Unit(s) 1, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

Within Payment Unit 5, all trees are designated for cutting when marked with purple paint above and below stump height, regardless of merchantability.

2.1.11 - Description of timber note (2/04)

Note that Payment Unit 1 was previously marked, but not cut. Orange paint within Payment Unit 1 should be disregarded. In addition, red line is marked in red chevrons, not red dots.

4 - Transportation

4.1 - Construction

4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 5 feet away from the road edge. Please note that there is a proposed road into Payment Unit 5 that is flagged in to avoid a potential historic site; please contact the Sale Administrator prior to dozing this road. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Contact the Sale Administrator for specific details of design and placement.

4.2 - Maintenance

4.2.1 - Hauling restriction (12/08)

Hauling may be restricted on forest roads by the Unit Manager or his/her representative. The restriction may occur during spring breakup or prolonged wet weather conditions.

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land is the responsibility of the Purchaser. Please contact the Sale Administrator for the landowner's contact information.

5 - Operations

5.1 - Notification

5.1.3 - Well heads and natural gas pipelines (11/15)

The Purchaser is responsible for contacting the Enbridge gas company 30 days prior to operating equipment in the vicinity of well heads or natural gas pipelines. A site visit and permit may be required to cross or operate within their right of way. Please email them at CrossingsUS@Enbridge.com.

5.2 - Conduct of Operations

5.2.3 - Operating Restrictions

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 5, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

5.2.32 - Decking/landing restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the Leeman Road prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Snowmobile Trail #5, if used, prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.



TIMBER SALE MAP

This information provided by authority of Part 525, 1994 PA 451, as amended.

Sale Number 12-007-24	Date 09/13/2024	
Scale 1:15,840	Page 1	Of 1

Forest Management Unit Crystal Falls Mgt Unit	County Dickinson	Mapped By: D Goupell
		Cruised By: Siler & Goupell

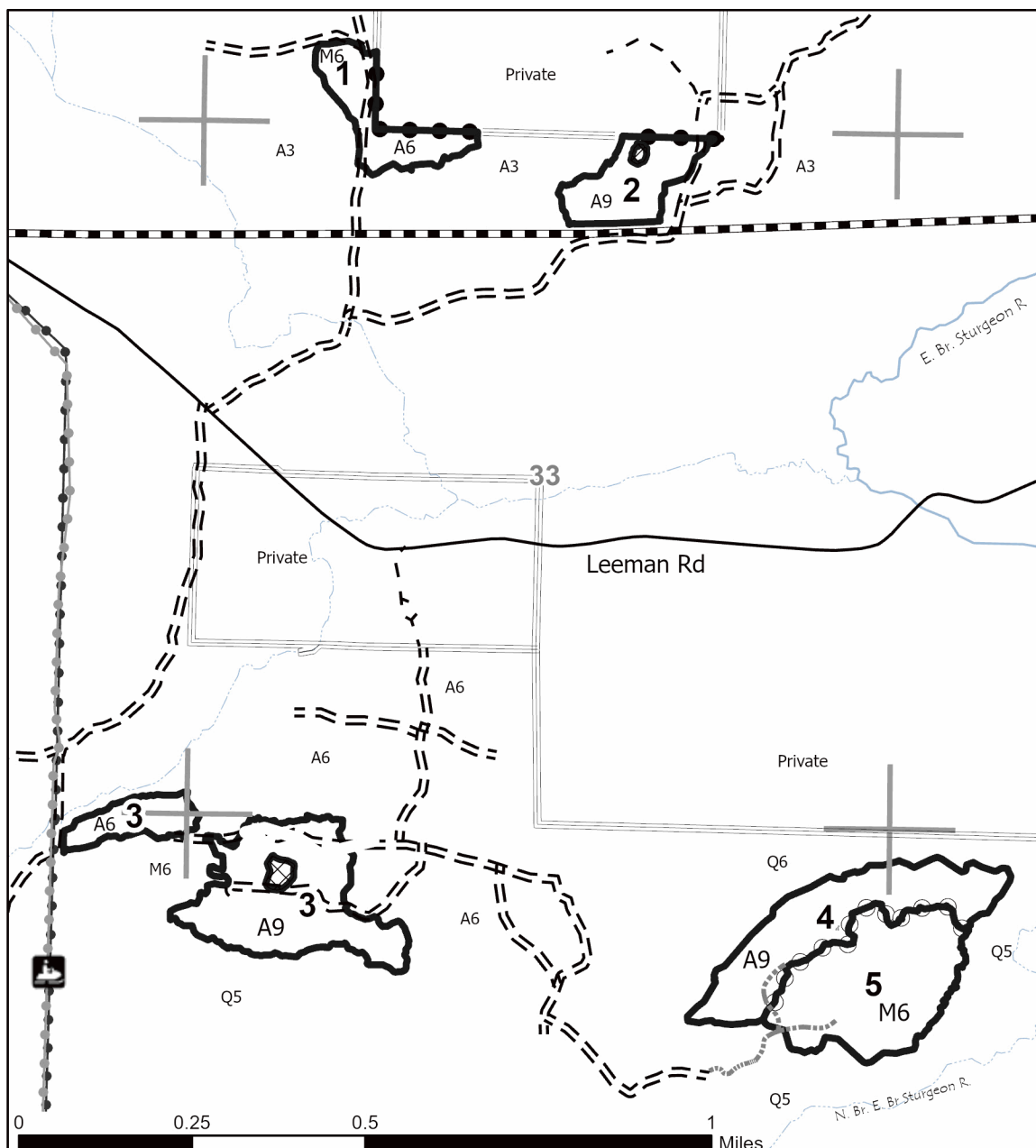
Township 42N / 43N	Range 29W	Section(s) and Subdivision(s)	N1/2NW,NE; Sec. 5 NENE; Sec. 28 SWSW; Sec. 3 W1/2NW; Sec. 32 SESE; Sec. 33 N1/2NW,NWNE,SWSW; Sec. 4
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Cover Type			
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous	Z = Water	
H = Hemlock	N = Marsh		

Density	
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

Exodus 2024

104.3 Acres

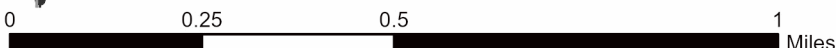


PU #	Acres	PU #	Acres
1	10.2	4	23.8
2	10.5	5	27.5
3	32.2		



Legend

- Against State (Red)
- Exclusion
- Payment Unit (Yellow)
- Private Line (Blue)
- Recreational Trail
- Private property
- Proposed road (ribbed)
- Pipeline
- Powerline
- Intermittent Stream
- Perennial River
- Section Corner
- Forest Access Route
- Paved Road
- Private Gravel/Dirt



TIMBER SALE INFORMATION

Luddite Wallow (12-008-24)

T41N, R29W, SEC. 18; T41N, R29W, SEC. 7; T41N, R30W, SEC. 12; T41N, R30W, SEC. 13.
Dickinson County (Advertised Price \$78,184.55)

SALE NOTE: A temporary bridge will be required to access Payment Units 4 & 5, including approximately 600 feet of proposed new road construction. Bridge may be available from the DNR upon availability. Payment Units 4 & 5 are limited to frozen ground conditions.

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the Inventory Manager computer program and the new Michigan taper model. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Red Maple	13.1 MBF	\$ 138.00 / MBF
Pulpwood		
Balsam Fir	55 Cords	\$ 5.40 / Cord
Mixed Hardwood	619 Cords	\$ 13.55 / Cord
Mixed Spruce	37 Cords	\$ 11.60 / Cord
Quaking Aspen	1,979 Cords	\$ 19.70 / Cord
Red Pine	344 Cords	\$ 82.20 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 18.58 percent. There are an estimated 3,067 cords on this timber sale, plus or minus 570 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$6,255.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule :
 - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - (b) The 10% down payment will be credited towards the first unit cut.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	9.2%
02	22.1%
03	14.1%
04	28.7%
05	25.9%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2027.

SALE STATISTICS

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
242,299	3,067	18.58%	2,497	3,637

VDU VOLUMES

A VDU is a Volume Determination Unit. Volumes and their associated statistics are calculated at the VDU level and summarized to the sale level. There is often a one to one relationship between a VDU and a Payment Unit, but not always, depending on the cruise design. Refer to the VDU TO PAYMENT UNIT table.

VDU	VOLUME		PERCENT ERROR	RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
33	30,990	392	43.89%	220	564
43	27,199	344	35.93%	221	468
45	184,110	2,331	22.98%	1,795	2,866
TOTAL:	242,299	3,067		2,236	3,899

VDU TO PAYMENT UNIT

When a VDU is associated with more than one Payment Unit (PU), the VDU volumes are assigned to the PU based on acres of the VDU within the PU.

VDU	VDU ACRES	PU	PU ACRES
33	12.0	1	12.0
43	60.2	2	36.8
		3	23.4
45	78.1	4	41.1
		5	37.0
TOTAL:	150.3		150.3

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Sawtimber	4.3	MBF	12.0	\$7,187.35
	Balsam Fir	Pulpwood	14	Cords		
	Mixed Hardwood		111	Cords		
	<i>Paper Birch</i>	<i>Sawtimber</i>	2.3	<i>MBF</i>		
	<i>Balsam Poplar</i>	<i>Pulpwood</i>	29	<i>Cords</i>		
	<i>Paper Birch</i>		8	<i>Cords</i>		
	<i>Red Maple</i>		69	<i>Cords</i>		
	Mixed Spruce		6	Cords		
	<i>Black Spruce</i>		6	<i>Cords</i>		
	Quaking Aspen		251	Cords		
	2	Red Pine	Pulpwood	210		
3	Red Pine	Pulpwood	134	Cords	23.4	\$11,014.80
4	Red Maple	Sawtimber	4.6	MBF	41.1	\$22,477.90
	Balsam Fir	Pulpwood	22	Cords		
	Mixed Hardwood		268	Cords		
	<i>Black Ash</i>	<i>Sawtimber</i>	1.9	<i>MBF</i>		
	<i>Balsam Poplar</i>	<i>Pulpwood</i>	20	<i>Cords</i>		
	<i>Black Ash</i>		19	<i>Cords</i>		
	<i>Black Cherry</i>		3	<i>Cords</i>		
	<i>Paper Birch</i>		5	<i>Cords</i>		
	<i>Red Maple</i>		217	<i>Cords</i>		
	Mixed Spruce		16	Cords		
	<i>Black Spruce</i>		12	<i>Cords</i>		
	<i>White Spruce</i>		4	<i>Cords</i>		
	Quaking Aspen		909	Cords		
5	Red Maple	Sawtimber	4.2	MBF	37.0	\$20,242.50
	Balsam Fir	Pulpwood	19	Cords		
	Mixed Hardwood		240	Cords		
	<i>Black Ash</i>	<i>Sawtimber</i>	1.7	<i>MBF</i>		
	<i>Balsam Poplar</i>	<i>Pulpwood</i>	18	<i>Cords</i>		
	<i>Black Ash</i>		17	<i>Cords</i>		
	<i>Black Cherry</i>		2	<i>Cords</i>		
	<i>Paper Birch</i>		4	<i>Cords</i>		
	<i>Red Maple</i>		196	<i>Cords</i>		
	Mixed Spruce		15	Cords		
	<i>Black Spruce</i>		11	<i>Cords</i>		
	<i>White Spruce</i>		4	<i>Cords</i>		
	Quaking Aspen		819	Cords		
TOTAL:			13.1	MBF		
TOTAL:			3,034	Cords		

Sale Specific Conditions & Requirements

Sale Name: Luddite Wallow

Sale Number: 12-008-24 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by red and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

2.1.1 - Clearcut unit(s) with unmerchantable trees (6/14)

Within Payment Unit(s) 1, 4, and 5, cut all trees that are two (2) inches or more at DBH, except do not cut white pine, red pine, cedar, oak, or hemlock. In addition, within Payment Unit 1 do not cut any trees marked with green paint.

2.1.3 - Cut tree marked unit(s) (12/08)

Within Payment Unit(s) 2 & 3, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

3 - Payments

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured.

No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 10% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber, or at a rate of \$10 per pole sized tree, whichever is greater.

4 - Transportation

4.1 - Construction

4.1.2 - Stream crossings, specific (3/11)

The creek crossing between Payment Units 3 & 4 will require the installation of a culvert or portable bridge which may be borrowed from the DNR, depending upon availability. This installation will be performed in accordance with the specifications on the appropriate permits which shall be provided by the DNR.

4.1.6 - Road construction (4/24)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 5 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Temporary berms will be required if no sale activity occurs for 30 or more consecutive days once bridge is placed into Payment Units 4 & 5. Contact the Sale Administrator for specific details of design and placement.

4.1.8 - Road work (1) (8/07)

The following road work is required: open up the closed road and create approximately 600 feet of new road to access Payment Units 4 & 5. A temporary bridge will need to be placed across Mouny's Creek, following the permit regulations obtained by DNR.

4.2 - Maintenance

4.2.1 - Hauling restriction (12/08)

Hauling may be restricted on forest roads by the Unit Manager or his/her representative. The restriction may occur during spring breakup or prolonged wet weather conditions.

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

5 - Operations

5.2 - Conduct of Operations

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 4 & 5, unless changed by written agreement, cutting and skidding are limited to frozen ground conditions. This restriction is because of wet soils scattered throughout the area.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 2 & 3, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

5.2.32 - Decking/landing restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand.

5.2.41 - Snowmobile trail protection (9/11)

The South Pond Road is also a snowmobile trail; if it is used for hauling during the snowmobile season, a snow-covered base must be left on the trail. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. The road maintenance/restoration must be done prior to December 1. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1. No decking of forest products will be permitted along the snowmobile trail.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on South Pond Road prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.



TIMBER SALE MAP

This information provided by authority of Part 525, 1994 PA 451, as amended.

Sale Number 12-008-24	Date 09/05/2024
Scale 1:15,840	Page 1
	Of 1

Forest Management Unit Crystal Falls Mgt Unit	County Dickinson	Mapped By: R. Goupell
		Cruised By: J Siler & R Goupell

Township 41N	Range 29W / 30W	Section(s) and Subdivision(s) Sec. 12 NESW,S1/2SW,SE; Sec. 13 N1/2NE; Sec. 18 N1/2NW; Sec. 7 NWSW,S1/2SW;
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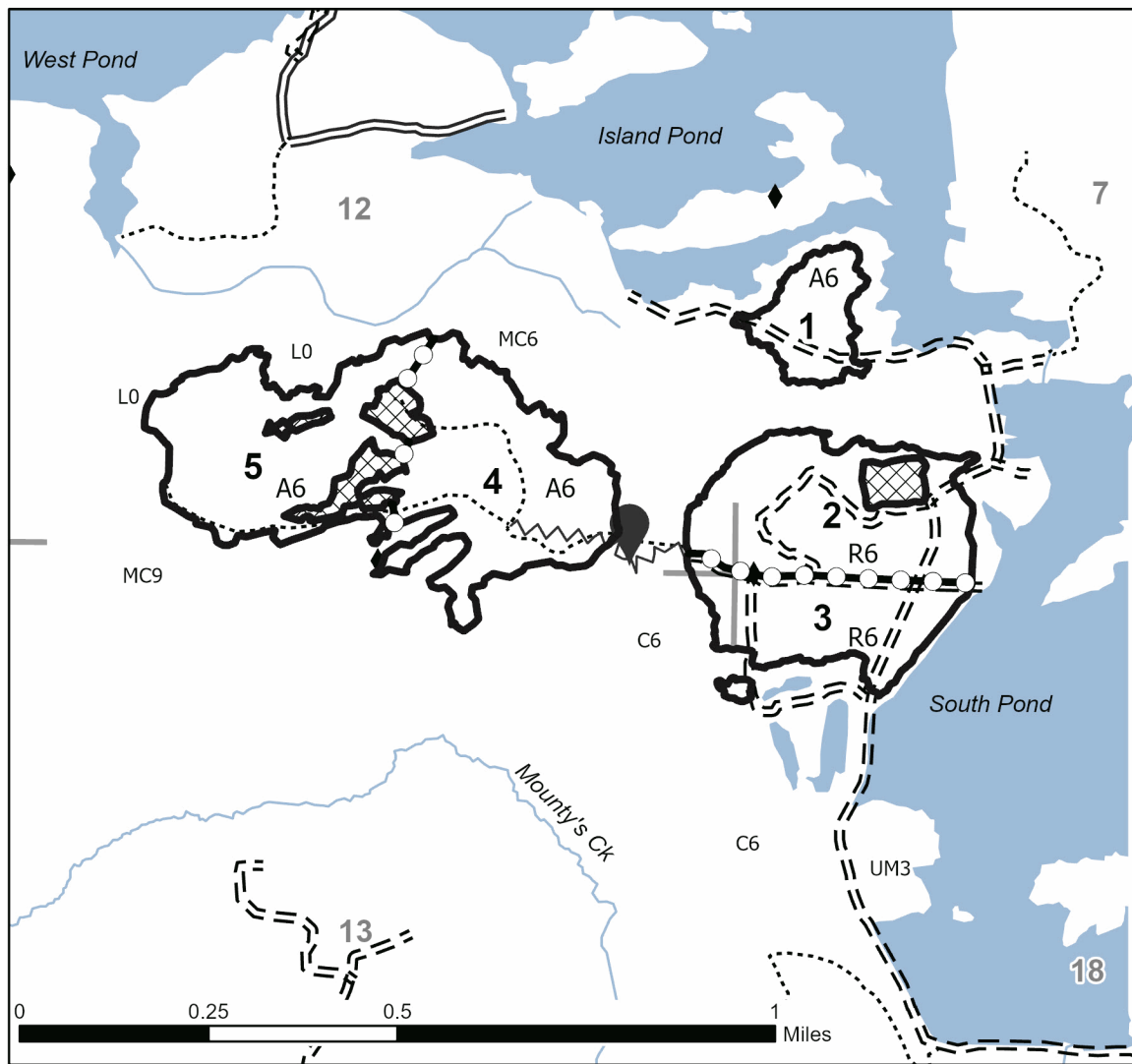
Cover Type			
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous	Z = Water	
H = Hemlock	N = Marsh		

Density	
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

PU #	Acres
1	12
2	36.8
3	23.4
4	41.1
5	37

Luddite Wallow

150.3 Acres



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Exclusion
- Proposed road
- Primary Forest Road
- Forest Access Route
- Administrative Access Only
- Paved Road
- Government Gravel/Dirt
- Private Gravel/Dirt
- Temporary bridge
- Survey Corner
- MIRIS Section Corner

TIMBER SALE INFORMATION

Motorbike Moose (12-010-24)

T44N, R27W, SEC. 17; T44N, R27W, SEC. 18; T44N, R27W, SEC. 7; T44N, R28W, SEC. 13.
Dickinson County (Advertised Price \$172,808.40)

SALE NOTE: The first (south) half mile of Simpson Road will require gravel, a minimum of 4" deep. Gravel may be available from State land.

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the Inventory Manager computer program and the new Michigan taper model. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Basswood	14.7 MBF	\$ 87.00 / MBF
Red Maple	51.7 MBF	\$ 138.00 / MBF
Sugar Maple	294.5 MBF	\$ 262.00 / MBF
Pulpwood		
Balsam Fir	290 Cords	\$ 5.40 / Cord
Basswood	39 Cords	\$ 7.05 / Cord
Mixed Hardwood	3,139 Cords	\$ 13.55 / Cord
Quaking Aspen	2,171 Cords	\$ 19.70 / Cord
White Spruce	8 Cords	\$ 11.60 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.40 percent. There are an estimated 6,496 cords on this timber sale, plus or minus 806 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$13,825.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule :
 - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - (b) The 10% down payment will be credited towards the first unit cut.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	2.3%
02	2.1%
03	18.6%
04	10.9%
05	23.1%
06	22.7%
07	11.0%
08	4.1%
09	5.2%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2028.

SALE STATISTICS

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
513,163	6,496	12.40%	5,690	7,301

VDU VOLUMES

A VDU is a Volume Determination Unit. Volumes and their associated statistics are calculated at the VDU level and summarized to the sale level. There is often a one to one relationship between a VDU and a Payment Unit, but not always, depending on the cruise design. Refer to the VDU TO PAYMENT UNIT table.

	VOLUME			RANGE IN CORDS	
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
12	311,020	3,937	17.74%	3,238	4,635
20	47,210	598	22.14%	465	730
24	138,932	1,759	21.94%	1,373	2,144
25	16,001	203	48.88%	104	302
TOTAL:	513,163	6,496		5,180	7,811

VDU TO PAYMENT UNIT

When a VDU is associated with more than one Payment Unit (PU), the VDU volumes are assigned to the PU based on acres of the VDU within the PU.

VDU	VDU ACRES	PU	PU ACRES
12	104.3	5	42.4
		6	41.7
		7	20.2
20	66.6	2	12.2
		8	23.8
		9	30.6
24	55.9	3	35.2
		4	20.7
25	7.5	1	7.5
TOTAL:	234.3		234.3

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Sugar Maple	Sawtimber	2.7	MBF	7.5	\$3,905.90
	Balsam Fir	Pulpwood	30	Cords		
	Mixed Hardwood		38	Cords		
	<i>Red Maple</i>		9	Cords		
	<i>Sugar Maple</i>		29	Cords		
	Quaking Aspen		128	Cords		
	2	Basswood	Pulpwood	7		
Basswood		Sawtimber	2.7	MBF		
Mixed Hardwood		Pulpwood	69	Cords		
Red Maple		Sawtimber	0.2	MBF		
<i>Yellow Birch</i>			0.6	MBF		
Sugar Maple			8.6	MBF		
<i>Ironwood</i>		Pulpwood	1	Cords		
<i>Red Maple</i>			6	Cords		
<i>Sugar Maple</i>			60	Cords		
<i>Yellow Birch</i>			1	Cords		
Quaking Aspen			6	Cords		
3	Red Maple	Sawtimber	8.6	MBF	35.2	\$32,058.35
	Sugar Maple		64.2	MBF		
	Balsam Fir	Pulpwood	108	Cords		
	Mixed Hardwood		459	Cords		
	<i>Balsam Poplar</i>		6	Cords		
	<i>Red Maple</i>		117	Cords		
	<i>Sugar Maple</i>		336	Cords		
	Quaking Aspen		365	Cords		
	White Spruce		5	Cords		
	4	Red Maple	Sawtimber	5.1		
Sugar Maple			37.7	MBF		
Balsam Fir		Pulpwood	64	Cords		
Mixed Hardwood			270	Cords		
<i>Balsam Poplar</i>			4	Cords		
<i>Red Maple</i>			69	Cords		
<i>Sugar Maple</i>			197	Cords		
Quaking Aspen			214	Cords		
White Spruce			3	Cords		
5		Red Maple	Sawtimber	15.1	MBF	42.4
	Sugar Maple		58.1	MBF		
	Balsam Fir	Pulpwood	36	Cords		
	Mixed Hardwood		812	Cords		
	<i>Balsam Poplar</i>		5	Cords		
	<i>Paper Birch</i>		19	Cords		
	<i>Red Maple</i>		269	Cords		
	<i>Sugar Maple</i>		519	Cords		
	Quaking Aspen		581	Cords		
6	Red Maple	Sawtimber	14.8	MBF	41.7	\$39,292.95
	Sugar Maple		57.2	MBF		
	Balsam Fir	Pulpwood	35	Cords		
	Mixed Hardwood		799	Cords		
	<i>Balsam Poplar</i>		5	Cords		
	<i>Paper Birch</i>		18	Cords		
	<i>Red Maple</i>		265	Cords		
	<i>Sugar Maple</i>		511	Cords		
	Quaking Aspen		571	Cords		
	7	Red Maple	Sawtimber	7.2		
Sugar Maple			27.7	MBF		

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
7 con't	Balsam Fir	Pulpwood	17	Cords			
	Mixed Hardwood		386	Cords			
	<i>Balsam Poplar</i>		2	<i>Cords</i>			
	<i>Paper Birch</i>		9	<i>Cords</i>			
	<i>Red Maple</i>		128	<i>Cords</i>			
	<i>Sugar Maple</i>		247	<i>Cords</i>			
	Quaking Aspen		277	Cords			
8	Basswood	Sawtimber	5.3	MBF	23.8	\$7,074.60	
	Red Maple		0.3	MBF			
	Sugar Maple		16.8	MBF			
	Basswood	Pulpwood	14	Cords			
	Mixed Hardwood		134	Cords			
	<i>Yellow Birch</i>		<i>Sawtimber</i>	1.1			<i>MBF</i>
	<i>Ironwood</i>		<i>Pulpwood</i>	2			<i>Cords</i>
	<i>Red Maple</i>			13			<i>Cords</i>
	<i>Sugar Maple</i>			116			<i>Cords</i>
	<i>Yellow Birch</i>			1			<i>Cords</i>
	Quaking Aspen			13			Cords
	9		Basswood	Sawtimber			6.7
Red Maple		0.4	MBF				
Sugar Maple		21.5	MBF				
Basswood		Pulpwood	18	Cords			
Mixed Hardwood			172	Cords			
<i>Yellow Birch</i>			<i>Sawtimber</i>	1.4	<i>MBF</i>		
<i>Ironwood</i>			<i>Pulpwood</i>	2	<i>Cords</i>		
<i>Red Maple</i>				16	<i>Cords</i>		
<i>Sugar Maple</i>				150	<i>Cords</i>		
<i>Yellow Birch</i>				1	<i>Cords</i>		
Quaking Aspen				16	Cords		
TOTAL:			360.9	MBF			
TOTAL:			5,647	Cords			

Sale Specific Conditions & Requirements

Sale Name: Motorbike Moose

Sale Number: 12-010-24 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue, red and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Yellow painted trees designating an interior Payment Unit boundary, between clearcut units, are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

2.1.1 - Clearcut unit(s) with unmerchantable trees (6/14)

Within Payment Unit(s) 3-7, cut all trees that are two (2) inches or more at DBH, except do not cut cedar, pine, oak, or hemlock.

Within Payment Unit 1, cut all trees that are four (4) inches or more at DBH, except do not cut cedar, pine, oak, or hemlock (if found).

2.1.3 - Cut tree marked unit(s) (12/08)

Within Payment Unit(s) 2, 8, and 9, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

4 - Transportation

4.1 - Construction

4.1.6 - Road construction (4/24)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 5 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.7 - Road closure (10/11)

Overgrown roads that are reopened shall be considered new roads. Some existing roads may also need to be closed. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Stumps and brush must be placed along the remainder of the trail. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. These stumps must be scattered along the road system to prohibit vehicular movement. Contact the Sale Administrator for specific details of design, placement, and locations of roads that need closed.

4.2 - Maintenance

4.2.3 - Road maintenance (8/13)

The following road maintenance is required: gravel will be spread on the first (south) half mile of the Simpson Road, at least 4" deep (approximately 234 yards). Gravel may be available from State land.

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

4.4 - Access

4.4.2 - Alternate route on private property (2/04)

It is the Purchaser's responsibility to obtain access across private land for any routes other than the route shown on the Timber Sale Map.

5 - Operations

5.2 - Conduct of Operations

5.2.3 - Operating Restrictions

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 2, 8, and 9, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

5.2.32 - Decking/landing restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

5.2.41 - Snowmobile trail protection (9/11)

The Simpson Road is a snowmobile trail and is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. The road maintenance/restoration must be done prior to December 1. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1. If the trail road is to be used for hauling during the snowmobile season, then a snow covered base must be left on the trail. No decking of forest products will be permitted along the snowmobile trail.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on all impacted roads prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the snowmobile routes (shown on the Timber Sale Map) prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.



TIMBER SALE MAP

This information provided by authority of Part 525, 1994 PA 451, as amended.

Sale Number

12-010-24

Date

09/11/2024

Forest Management Unit

County

Mapped By: Andy Church

Scale

Page

Of

Crystal Falls Mgt Unit

Dickinson

Cruised By: Andy Church

1:15,840

1

1

Township
44N

Range
27W / 28W

Section(s) and
Subdivision(s)

Sec. 13 SENE,NESE; Sec. 17 SWNW; Sec. 18 NW,NE,N1/2SW,SWSW,NWSE; Sec. 7 S1/2SW,SWSE;

Cover Type

A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous	Z = Water	
H = Hemlock	N = Marsh		

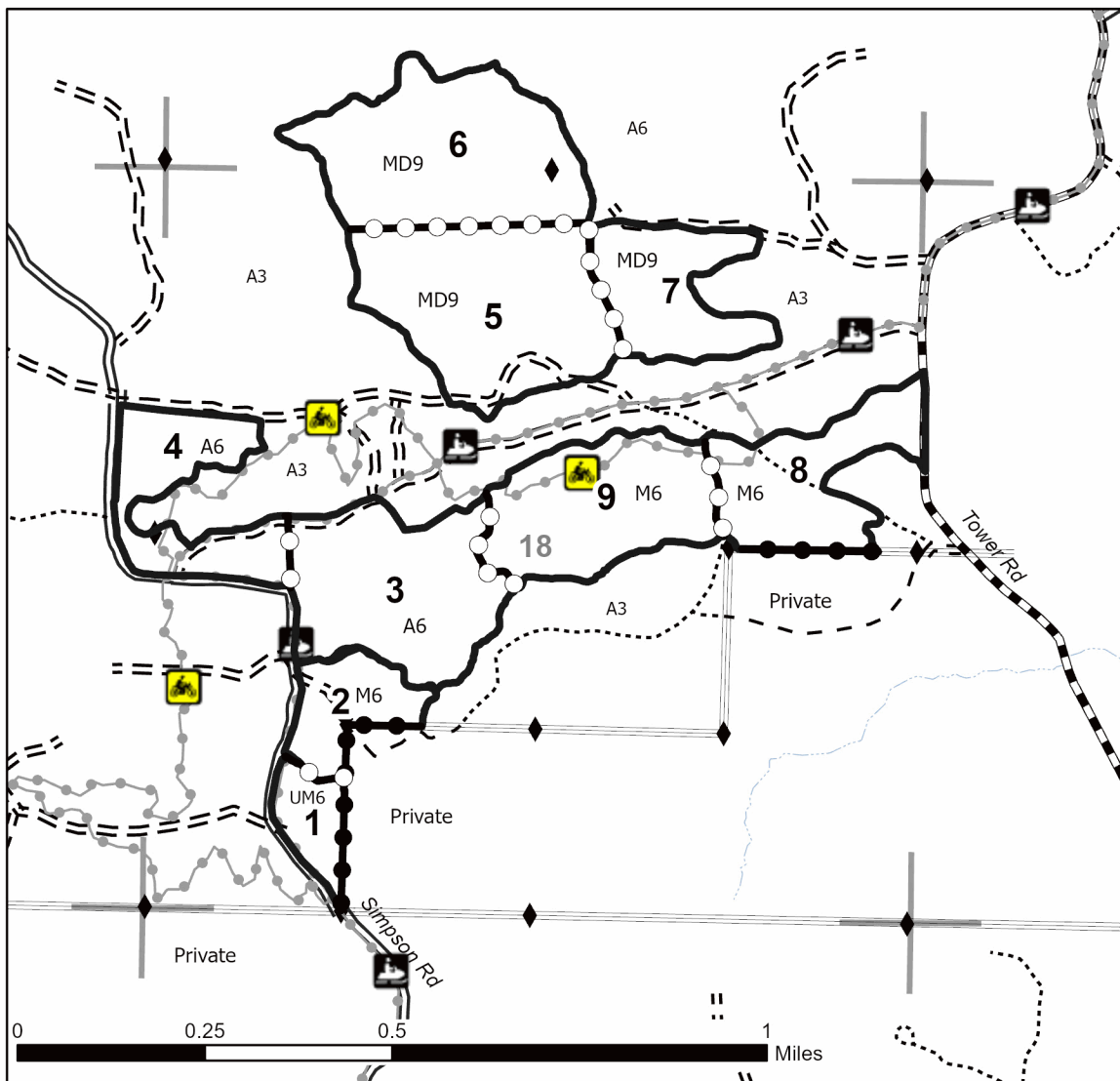
Density

0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

PU #	Acres	PU #	Acres
1	7.5	6	41.7
2	12.2	7	20.2
3	35.2	8	23.8
4	20.7	9	30.6
5	42.4		

Motorbike Moose

234.3 Acres



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Recreational Trail
- Private property
- Primary Forest Road
- Forest Access Route
- Administrative Access Only
- Government Gravel/Dirt
- Private Gravel/Dirt
- Motorcycle
- Snowmobile
- Survey Corner
- Section Corner

TIMBER SALE INFORMATION

Bummer Summer (12-011-24)

T44N, R28W, SEC. 19; T44N, R28W, SEC. 20; T44N, R28W, SEC. 29; T44N, R28W, SEC. 30.
Dickinson County (Advertised Price \$181,055.10)

SALE NOTE: Payment Unit 10 is a frozen ground or very dry summer harvest only. It is also a scaled unit. The Sale Administrator will need to scale wood before it can be hauled.

A timber sale contract for this mixed, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the Inventory Manager computer program and the new Michigan taper model. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Basswood	151.6 MBF	\$ 87.00 / MBF
Red Maple	96.2 MBF	\$ 138.00 / MBF
Sugar Maple	156.4 MBF	\$ 262.00 / MBF
Pulpwood		
Balsam Fir	281 Cords	\$ 5.40 / Cord
Basswood	339 Cords	\$ 7.05 / Cord
Mixed Aspen	3,401 Cords	\$ 19.70 / Cord
Mixed Hardwood	3,050 Cords	\$ 13.55 / Cord
Mixed Spruce	114 Cords	\$ 11.60 / Cord
Tamarack	13 Cords	\$ 4.35 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 10.25 percent. There are an estimated 8,146 cords on this timber sale, plus or minus 836 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$14,484.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule :
 - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - (b) The 10% down payment will be credited towards the first unit cut.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	13.1%
02	10.2%
03	5.0%
04	4.6%
05	12.1%
06	15.0%
07	16.1%
08	12.4%
09	7.8%
10	3.7%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2028.

SALE STATISTICS

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
643,531	8,146	10.25%	7,310	8,982

VDU VOLUMES

A VDU is a Volume Determination Unit. Volumes and their associated statistics are calculated at the VDU level and summarized to the sale level. There is often a one to one relationship between a VDU and a Payment Unit, but not always, depending on the cruise design. Refer to the VDU TO PAYMENT UNIT table.

VDU	VOLUME		PERCENT ERROR	RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
12	235,812	2,985	17.15%	2,473	3,497
13	10,669	135	45.15%	74	196
16	2,390	30	110.58%	0	64
23	55,601	704	26.94%	514	893
24	60,594	767	32.49%	518	1,016
32	105,871	1,340	27.44%	972	1,708
40	129,031	1,633	21.95%	1,275	1,992
41	43,564	551	0.00%	551	551
TOTAL:	643,531	8,146		6,378	9,917

VDU TO PAYMENT UNIT

When a VDU is associated with more than one Payment Unit (PU), the VDU volumes are assigned to the PU based on acres of the VDU within the PU.

VDU	VDU ACRES	PU	PU ACRES
12	81.8	5	23.4
		6	29.5
		7	28.9
13	5.7	7	5.7
16	2.1	5	2.1
23	54.7	3	28.6
		4	26.1
24	20.2	1	18.2
		2	2.0
32	32.0	1	11.5
		2	20.5
40	45.3	8	27.8
		9	17.5
41	32.1	10	32.1
TOTAL:	273.9		273.9

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	8.2	MBF	29.7	\$23,758.75
	Red Maple		40.9	MBF		
	Sugar Maple		9.2	MBF		
	Balsam Fir	Pulpwood	46	Cords		
	Basswood		41	Cords		
	Mixed Aspen		264	Cords		
	<i>Quaking Aspen</i>		264	<i>Cords</i>		
	Mixed Hardwood		670	Cords		
	<i>Ironwood</i>		6	<i>Cords</i>		
	<i>Paper Birch</i>		11	<i>Cords</i>		
	<i>Red Maple</i>		512	<i>Cords</i>		
	<i>Sugar Maple</i>		133	<i>Cords</i>		
	<i>Yellow Birch</i>		8	<i>Cords</i>		
	Mixed Spruce		15	Cords		
<i>White Spruce</i>		15	<i>Cords</i>			
2	Basswood	Sawtimber	6.8	MBF	22.5	\$18,447.60
	Red Maple		16.0	MBF		
	Sugar Maple		7.8	MBF		
	Balsam Fir	Pulpwood	71	Cords		
	Basswood		20	Cords		
	Mixed Aspen		437	Cords		
	<i>Quaking Aspen</i>		437	<i>Cords</i>		
	Mixed Hardwood		306	Cords		
	<i>Ironwood</i>		11	<i>Cords</i>		
	<i>Paper Birch</i>		19	<i>Cords</i>		
	<i>Red Maple</i>		203	<i>Cords</i>		
	<i>Sugar Maple</i>		72	<i>Cords</i>		
	<i>Yellow Birch</i>		1	<i>Cords</i>		
	Mixed Spruce		28	Cords		
<i>White Spruce</i>		28	<i>Cords</i>			
3	Basswood	Sawtimber	48.5	MBF	28.6	\$9,054.15
	Red Maple		0.4	MBF		
	Sugar Maple		8.4	MBF		
	Basswood	Pulpwood	89	Cords		
	Mixed Hardwood		144	Cords		
	<i>Red Maple</i>		44	<i>Cords</i>		
<i>Sugar Maple</i>		100	<i>Cords</i>			
4	Basswood	Sawtimber	44.3	MBF	26.1	\$8,299.90
	Red Maple		0.4	MBF		
	Sugar Maple		7.7	MBF		
	Basswood	Pulpwood	81	Cords		
	Mixed Hardwood		133	Cords		
	<i>Red Maple</i>		41	<i>Cords</i>		
<i>Sugar Maple</i>		92	<i>Cords</i>			
5	Basswood	Sawtimber	10.1	MBF	25.5	\$21,857.85
	Red Maple		7.8	MBF		
	Sugar Maple		27.9	MBF		
	Balsam Fir	Pulpwood	12	Cords		
	Basswood		30	Cords		
	Mixed Aspen		405	Cords		
	<i>B. T. Aspen</i>		95	<i>Cords</i>		
	<i>Quaking Aspen</i>		310	<i>Cords</i>		
	Mixed Hardwood		304	Cords		
	<i>Paper Birch</i>	<i>Sawtimber</i>	0.6	<i>MBF</i>		
	<i>Balsam Poplar</i>	<i>Pulpwood</i>	17	<i>Cords</i>		
	<i>Black Ash</i>		17	<i>Cords</i>		

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	<i>Ironwood</i>	<i>Pulpwood</i>	3	<i>Cords</i>		
	<i>Paper Birch</i>		4	<i>Cords</i>		
	<i>Red Maple</i>		77	<i>Cords</i>		
	<i>Sugar Maple</i>		183	<i>Cords</i>		
	<i>Yellow Birch</i>		2	<i>Cords</i>		
	Mixed Spruce		14	<i>Cords</i>		
	<i>Black Spruce</i>		11	<i>Cords</i>		
	<i>White Spruce</i>		3	<i>Cords</i>		
	Tamarack		13	<i>Cords</i>		
	6	Basswood	Sawtimber	12.7	MBF	29.5
Red Maple			9.8	MBF		
Sugar Maple			35.3	MBF		
Balsam Fir		Pulpwood	16	Cords		
Basswood			38	Cords		
Mixed Aspen			511	Cords		
<i>B. T. Aspen</i>			120	<i>Cords</i>		
<i>Quaking Aspen</i>			391	<i>Cords</i>		
Mixed Hardwood			373	Cords		
<i>Paper Birch</i>		Sawtimber	0.7	MBF		
<i>Balsam Poplar</i>		Pulpwood	21	Cords		
<i>Black Ash</i>			21	Cords		
<i>Ironwood</i>			3	Cords		
<i>Paper Birch</i>			2	Cords		
<i>Red Maple</i>			94	Cords		
<i>Sugar Maple</i>			230	Cords		
<i>Yellow Birch</i>			1	Cords		
Mixed Spruce			3	Cords		
<i>White Spruce</i>			3	Cords		
7		Basswood	Sawtimber	12.4	MBF	
	Red Maple		12.6	MBF		
	Sugar Maple		34.5	MBF		
	Balsam Fir	Pulpwood	15	Cords		
	Basswood		37	Cords		
	Mixed Aspen		542	Cords		
	<i>B. T. Aspen</i>		126	<i>Cords</i>		
	<i>Quaking Aspen</i>		416	<i>Cords</i>		
	Mixed Hardwood		436	Cords		
	<i>Paper Birch</i>	Sawtimber	2.8	MBF		
	<i>Balsam Poplar</i>	Pulpwood	32	Cords		
	<i>Black Ash</i>		26	Cords		
	<i>Ironwood</i>		3	Cords		
	<i>Paper Birch</i>		11	Cords		
	<i>Red Maple</i>		114	Cords		
	<i>Sugar Maple</i>		236	Cords		
	<i>Yellow Birch</i>		8	Cords		
	Mixed Spruce		21	Cords		
	<i>Black Spruce</i>		11	Cords		
	<i>White Spruce</i>		10	Cords		
8	Basswood	Sawtimber	5.3	MBF	27.8	\$22,524.60
	Red Maple		5.1	MBF		
	Sugar Maple		15.7	MBF		
	Balsam Fir	Pulpwood	17	Cords		
	Basswood		2	Cords		
	Mixed Aspen		762	Cords		
	<i>B. T. Aspen</i>		8	<i>Cords</i>		
	<i>Quaking Aspen</i>		754	<i>Cords</i>		

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE			
8 con't	Mixed Hardwood	Pulpwood	140	Cords					
	<i>Balsam Poplar</i>		14	<i>Cords</i>					
	<i>Paper Birch</i>		13	<i>Cords</i>					
	<i>Red Maple</i>		62	<i>Cords</i>					
	<i>Sugar Maple</i>		51	<i>Cords</i>					
	Mixed Spruce		20	Cords					
	<i>White Spruce</i>		20	<i>Cords</i>					
9	Basswood	Sawtimber	3.3	MBF	17.5	\$14,182.75			
	Red Maple		3.2	MBF					
	Sugar Maple		9.9	MBF					
	Balsam Fir	Pulpwood	10	Cords					
	Basswood		1	Cords					
	Mixed Aspen		480	Cords					
	<i>B. T. Aspen</i>		5	<i>Cords</i>					
	<i>Quaking Aspen</i>		475	<i>Cords</i>					
	Mixed Hardwood		88	Cords					
	<i>Balsam Poplar</i>		9	<i>Cords</i>					
	<i>Paper Birch</i>		8	<i>Cords</i>					
	<i>Red Maple</i>		39	<i>Cords</i>					
	<i>Sugar Maple</i>		32	<i>Cords</i>					
	Mixed Spruce	13	Cords						
	<i>White Spruce</i>	13	<i>Cords</i>						
	10	Balsam Fir	Pulpwood	94			Cords	32.1	\$6,686.40
		Mixed Hardwood		456			Cords		
<i>Black Ash</i>		177		<i>Cords</i>					
<i>Paper Birch</i>		88		<i>Cords</i>					
<i>Yellow Birch</i>		191		<i>Cords</i>					
TOTAL:				404.2	MBF				
TOTAL:			7,198	Cords					

Sale Specific Conditions & Requirements

Sale Name: Bummer Summer

Sale Number: 12-011-24 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by red and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. The exclusion area in Payment Unit 5 is marked with red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Yellow painted trees designating an interior Payment Unit boundary, between clearcut units, are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

2.1.1 - Clearcut unit(s) with unmerchantable trees (6/14)

Within Payment Unit(s) 1-2 and 5-10, cut all trees that are two (2) inches or more at DBH, except do not cut white pine, red pine, cedar, oak, or hemlock (if found). In addition, do not cut small clumps (6-10 trees) of submerchantable conifer.

2.1.3 - Cut tree marked unit(s) (12/08)

Within Payment Unit(s) 3 and 4, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.2 - Utilization

2.2.4 - Skidding length (2/14)

Skidding of unlimbed tops or lengths over 17 feet is not permissible in Payment Units 3 and 4.

3 - Payments

3.2 - Scaled Sales

3.2.1 - Scale location (2/04)

Forest products will be placed for measurement for Payment Unit 10. The Sale Administrator will need to be contacted to scale the cut wood prior to hauling.

4 - Transportation

4.1 - Construction

4.1.6 - Road construction (4/24)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 5 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.7 - Road closure (10/11)

All new roads built into the sale may be blocked to vehicle traffic upon completion of the sale. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Contact the Sale Administrator for specific details of design and placement.

4.2 - Maintenance

4.2.1 - Hauling restriction (12/08)

Hauling may be restricted on forest roads by the Unit Manager or his/her representative. The restriction may occur during spring breakup or prolonged wet weather conditions.

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

4.3 - Public Right-of-Way

4.3.2 - County R-O-W (12/06)

The county must be contacted prior to decking along or crossing the county road R-O-W. This applies to all Payment Units along Aimone Road.

5 - Operations

5.2 - Conduct of Operations

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 10, unless changed by written agreement, cutting and skidding are limited to frozen ground or very dry summer conditions. This restriction is because of the shallow and wet soils.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 3 and 4, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

5.2.32 - Decking/landing restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Aimone Road prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.



TIMBER SALE MAP

This information provided by authority of Part 525, 1994 PA 451, as amended.

Sale Number 12-011-24	Date 09/12/2024	
Scale 1:15,840	Page 1	Of 1

Forest Management Unit Crystal Falls Mgt Unit	County Dickinson	Mapped By: Debbie Goupell
		Cruised By: D Goupell & A Church

Township 44N	Range 28W	Section(s) and Subdivision(s) NENW,NE,N1/2SE,SESE; Sec. 19 SENE,E1/2SW,NWSE,S1/2SE; Sec. 20 SWNW,SW,SWSE; Sec. 29 N1/2NW,SWNW; Sec. 30
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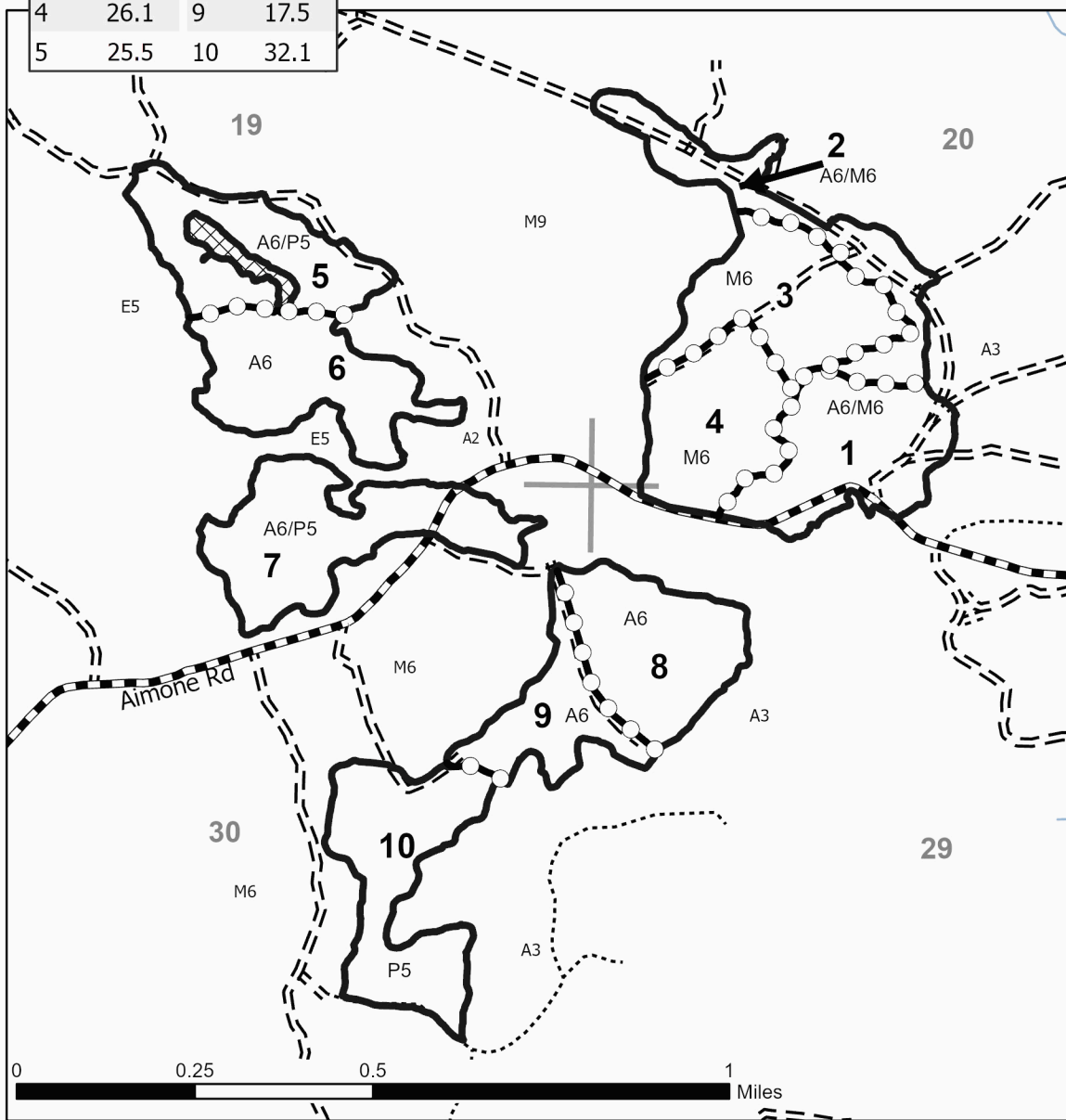
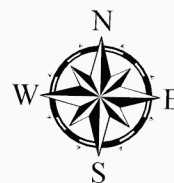
Cover Type			
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous	Z = Water	
H = Hemlock	N = Marsh		

Density	
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

PU #	Acres	PU #	Acres
1	29.7	6	29.5
2	22.5	7	34.6
3	28.6	8	27.8
4	26.1	9	17.5
5	25.5	10	32.1

Bummer Summer

273.9 Acres



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Exclusion
- Forest Access Route
- Administrative Access Only
- Government Gravel/Dirt
- Section Corner

Exodus 2024 (12-007-24)

T42N, R29W, SEC. 3; T42N, R29W, SEC. 4; T42N, R29W, SEC. 5; T43N, R29W,

In response to the notice of sale to be held 12:00 p.m. (local time) on January 2, 2025, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Basswood	27.9 MBF	\$ 87.00/MBF	\$ _____
Sugar Maple	25.8 MBF	\$ 262.00/MBF	\$ _____
Pulpwood			
Balsam Fir	72 Cords	\$ 5.40/Cord	\$ _____
Basswood	68 Cords	\$ 7.05/Cord	\$ _____
Mixed Hardwood	870 Cords	\$ 13.55/Cord	\$ _____
Mixed Spruce	77 Cords	\$ 11.60/Cord	\$ _____
Quaking Aspen	1,428 Cords	\$ 19.70/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 15.79 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

I understand that any or all bids may be rejected. All bids must be signed and all bid items must be bid or the bid form may be rejected. I also understand that consideration and awarding a contract will be based upon my past performance and ability to complete the contract based upon equipment and staffing subject to my control.

FEDERAL ID: _____ or SOCIAL SECURITY NUMBER: _____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

IF AVAILABLE, PLEASE PLACE THE PERSONALIZED LABEL FROM YOUR PROSPECTUS IN THE ABOVE BOX.

Individual or company representative's signature: _____ Date: _____

Phone number : _____ Email (optional): _____

THE WINNING BIDDER MUST COMPLETE THE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE (ON REVERSE SIDE IF DOUBLE SIDED) WITHIN 21 DAYS OF SALE AWARD DATE



FOR DEPARTMENT USE ONLY	
Sale Number (XX - XXX - XX - XX)	
Forest Management Unit:	

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

As required by Act 317, P.A. 1969 (Worker's Compensation) and
Part 5 of Act 451 of 1994, as amended.

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

- This verification must be completed and submitted within 21 days of contract award and prior to the issuance of the timber sale contract.
- In addition, if boxes 2B or 2C are checked, then Notice of Exclusion or Certificate of Insurance must be submitted within twenty-one (21) days of the contract award and prior to the issuance of the timber sale contract.
- All information must be typed or printed except for written signatures.

Please Check Appropriate Categories:

1. My business is organized as (you **must** check one of the boxes below):
 - A. Sole Proprietorship (individual)
 - B. Partnership
 - C. Corporation
2. You **must** check one of the boxes below:
 - A. I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.
 - B. I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
 - C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

_____ Full-time Employees

_____ Part-time Employees

Name of Business		Federal ID (or) Social Security No.	
Address		Telephone ()	
City	State	ZIP	

I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.

Signature of Owner or Authorized Representative

Title

Date

Please complete the "SEALED BID" information on the next page

Motorbike Moose (12-010-24)

T44N, R27W, SEC. 17; T44N, R27W, SEC. 18; T44N, R27W, SEC. 7; T44N, R28W,

In response to the notice of sale to be held 12:00 p.m. (local time) on January 2, 2025, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Basswood	14.7 MBF	\$ 87.00/MBF	\$ _____
Red Maple	51.7 MBF	\$ 138.00/MBF	\$ _____
Sugar Maple	294.5 MBF	\$ 262.00/MBF	\$ _____
Pulpwood			
Balsam Fir	290 Cords	\$ 5.40/Cord	\$ _____
Basswood	39 Cords	\$ 7.05/Cord	\$ _____
Mixed Hardwood	3,139 Cords	\$ 13.55/Cord	\$ _____
Quaking Aspen	2,171 Cords	\$ 19.70/Cord	\$ _____
White Spruce	8 Cords	\$ 11.60/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 12.40 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

I understand that any or all bids may be rejected. All bids must be signed and all bid items must be bid or the bid form may be rejected. I also understand that consideration and awarding a contract will be based upon my past performance and ability to complete the contract based upon equipment and staffing subject to my control.

FEDERAL ID: ____ - ____ - ____ or SOCIAL SECURITY NUMBER: ____ - ____ - ____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

IF AVAILABLE, PLEASE PLACE THE PERSONALIZED LABEL FROM YOUR PROSPECTUS IN THE ABOVE BOX.

Individual or company representative's signature: _____ Date: _____

Phone number : _____ Email (optional): _____

THE WINNING BIDDER MUST COMPLETE THE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE (ON REVERSE SIDE IF DOUBLE SIDED) WITHIN 21 DAYS OF SALE AWARD DATE



FOR DEPARTMENT USE ONLY	
Sale Number (XX - XXX - XX - XX)	
Forest Management Unit:	

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

As required by Act 317, P.A. 1969 (Worker's Compensation) and
Part 5 of Act 451 of 1994, as amended.

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

- This verification must be completed and submitted within 21 days of contract award and prior to the issuance of the timber sale contract.
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- All information must be typed or printed except for written signatures.

Please Check Appropriate Categories:

1. My business is organized as (you **must** check one of the boxes below):
 - A. Sole Proprietorship (individual)
 - B. Partnership
 - C. Corporation
2. You **must** check one of the boxes below:
 - A. I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.
 - B. I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
 - C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

_____ Full-time Employees

_____ Part-time Employees

Name of Business		Federal ID (or) Social Security No.	
Address		Telephone ()	
City	State	ZIP	

I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.

Signature of Owner or Authorized Representative

Title

Date

Please complete the "SEALED BID" information on the next page

Luddite Wallow (12-008-24)

T41N, R29W, SEC. 18; T41N, R29W, SEC. 7; T41N, R30W, SEC. 12; T41N, R30W,

In response to the notice of sale to be held 12:00 p.m. (local time) on January 2, 2025, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Red Maple	13.1 MBF	\$ 138.00/MBF	\$ _____
Pulpwood			
Balsam Fir	55 Cords	\$ 5.40/Cord	\$ _____
Mixed Hardwood	619 Cords	\$ 13.55/Cord	\$ _____
Mixed Spruce	37 Cords	\$ 11.60/Cord	\$ _____
Quaking Aspen	1,979 Cords	\$ 19.70/Cord	\$ _____
Red Pine	344 Cords	\$ 82.20/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 18.58 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

I understand that any or all bids may be rejected. All bids must be signed and all bid items must be bid or the bid form may be rejected. I also understand that consideration and awarding a contract will be based upon my past performance and ability to complete the contract based upon equipment and staffing subject to my control.

FEDERAL ID: _____ - _____ or SOCIAL SECURITY NUMBER: _____ - _____ - _____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

IF AVAILABLE, PLEASE PLACE THE PERSONALIZED LABEL FROM YOUR PROSPECTUS IN THE ABOVE BOX.

Individual or company representative's signature: _____ Date: _____

Phone number : _____ Email (optional): _____

THE WINNING BIDDER MUST COMPLETE THE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE (ON REVERSE SIDE IF DOUBLE SIDED) WITHIN 21 DAYS OF SALE AWARD DATE



FOR DEPARTMENT USE ONLY	
Sale Number (XX - XXX - XX - XX)	
Forest Management Unit:	

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

As required by Act 317, P.A. 1969 (Worker's Compensation) and
Part 5 of Act 451 of 1994, as amended.

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

- This verification must be completed and submitted within 21 days of contract award and prior to the issuance of the timber sale contract.
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- All information must be typed or printed except for written signatures.

Please Check Appropriate Categories:

1. My business is organized as (you **must** check one of the boxes below):
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 - B. Partnership
 - C. Corporation
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 - A. I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.
 - B. I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
 - C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

_____ Full-time Employees

_____ Part-time Employees

Name of Business		Federal ID (or) Social Security No.	
Address		Telephone ()	
City	State	ZIP	

I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.

Signature of Owner or Authorized Representative

Title

Date

Please complete the "SEALED BID" information on the next page

Bummer Summer (12-011-24)

T44N, R28W, SEC. 19; T44N, R28W, SEC. 20; T44N, R28W, SEC. 29; T44N,

In response to the notice of sale to be held 12:00 p.m. (local time) on January 2, 2025, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Basswood	151.6 MBF	\$ 87.00/MBF	\$ _____
Red Maple	96.2 MBF	\$ 138.00/MBF	\$ _____
Sugar Maple	156.4 MBF	\$ 262.00/MBF	\$ _____
Pulpwood			
Balsam Fir	281 Cords	\$ 5.40/Cord	\$ _____
Basswood	339 Cords	\$ 7.05/Cord	\$ _____
Mixed Aspen	3,401 Cords	\$ 19.70/Cord	\$ _____
Mixed Hardwood	3,050 Cords	\$ 13.55/Cord	\$ _____
Mixed Spruce	114 Cords	\$ 11.60/Cord	\$ _____
Tamarack	13 Cords	\$ 4.35/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 10.25 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

I understand that any or all bids may be rejected. All bids must be signed and all bid items must be bid or the bid form may be rejected. I also understand that consideration and awarding a contract will be based upon my past performance and ability to complete the contract based upon equipment and staffing subject to my control.

FEDERAL ID: ____ - ____ - ____ or SOCIAL SECURITY NUMBER: ____ - ____ - ____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

IF AVAILABLE, PLEASE PLACE THE PERSONALIZED LABEL FROM YOUR PROSPECTUS IN THE ABOVE BOX.

Individual or company representative's signature: _____ Date: _____

Phone number : _____ Email (optional): _____

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FOR DEPARTMENT USE ONLY	
Sale Number (XX - XXX - XX - XX)	
Forest Management Unit:	

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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Part 5 of Act 451 of 1994, as amended.

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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 - A. Sole Proprietorship (individual)
 - B. Partnership
 - C. Corporation
2. You **must** check one of the boxes below:
 - A. I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.
 - B. I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
 - C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
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_____ Full-time Employees

_____ Part-time Employees

Name of Business		Federal ID (or) Social Security No.	
Address		Telephone ()	
City	State	ZIP	

I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.

Signature of Owner or Authorized Representative

Title

Date

Please complete the "SEALED BID" information on the next page