



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7233**

SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on September 19, 2023.

LOCATION: ATLANTA MGMT UNIT, 13501 M 33, ATLANTA, MI 49709.

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, ATLANTA MANAGEMENT UNIT, for certain timber on the following described lands:

Oakpocalypse (54-001-22) / T31N, R02E, SEC. 13, NWSW,S1/2SW,SWSE.

T31N, R02E, SEC. 14, SESE.

T31N, R02E, SEC. 24, N1/2NW,NWNE.

Montmorency County, Advertised Price \$100,738.75, 74.3 Acres, Red Oak, Hardwood.

SALE NOTE: In this sale, operations are limited to the period of October 15 to April 15 (see spec. 5.2.3.1).

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.

Grass Lake Rd and Lund Trl Mix (54-006-22) / T31N, R03E, SEC. 1, SWNW.

T31N, R03E, SEC. 11, SW,NWSE.

T31N, R03E, SEC. 2, S1/2NE.

Montmorency County, Advertised Price \$51,921.75, 50.5 Acres, Aspen, Hardwood.

SALE NOTE: 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.

Grass Lake Rd and Lund Pine (54-016-22) / T31N, R03E, SEC. 11, E1/2NW,NE,SESW,SWSE.

T31N, R03E, SEC. 14, N1/2NE,SWNE,N1/2SW,N1/2SE,SESE.

T31N, R03E, SEC. 2, S1/2NW,S1/2NE.

Montmorency County, Advertised Price \$254,816.80, 254.8 Acres, Jack Pine, Red Pine.

SALE NOTE: 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.

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

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

Bids must be received by the Unit Manager, ATLANTA OFFICE, 13501 M 33, ATLANTA, MI 49709, no later than 10:00 a.m. (local time) on September 19, 2023. For further information concerning this sale, contact Matt Foster at 989-619-5921 extension .

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.

SHANNON LOTT, Acting
Director

TIMBER SALE INFORMATION

Oakpocalypse (54-001-22)

T31N, R02E, SEC. 13; T31N, R02E, SEC. 14; T31N, R02E, SEC. 24.
Montmorency County (Advertised Price \$100,738.75)

SALE NOTE: In this sale, operations are limited to the period of October 15 to April 15 (see spec. 5.2.3.1).

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 Oak	366.7 MBF	\$ 208.00 / MBF
Red Pine	17.3 MBF	\$ 138.00 / MBF
Pulpwood		
Red Maple	111 Cords	\$ 29.70 / Cord
Red Oak	519 Cords	\$ 33.75 / Cord
Red Pine	31 Cords	\$ 40.80 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 15.83 percent. There are an estimated 1,542 cords on this timber sale, plus or minus 244 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 \$5,037.00 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 remainder is due before cutting begins.
 - (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	100.0%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2026.

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
121,799	1,542	15.83%	1,298	1,786

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
42	121,799	1,542	15.84%	1,298	1,786
TOTAL:	121,799	1,542		1,298	1,786

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
42	74.3	1	74.3
TOTAL:	74.3		74.3

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Oak	Sawtimber	366.7	MBF	74.3	\$100,738.75
	Red Pine		17.3	MBF		
	Red Maple	Pulpwood	111	Cords		
	<i>Red Maple</i>	<i>Sawtimber</i>	<i>7.1</i>	<i>MBF</i>		
	<i>Red Maple</i>	<i>Pulpwood</i>	<i>97</i>	<i>Cords</i>		
	Red Oak		519	Cords		
	Red Pine		31	Cords		
TOTAL:			384.0	MBF		
TOTAL:			661	Cords		

Sale Specific Conditions & Requirements

Sale Name: Oakpocalypse

Sale Number: 54-001-22 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

Exterior sale boundaries are marked and identified by red 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.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1, cut all trees that are two (2) inches or more at DBH, except do not cut trees marked with green paint.

2.2 - Utilization

2.2.9 - No chipping permitted (12/08)

Within Payment Unit(s) 1, no chipping is permitted.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) exceeding \$25,000 in value, may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

3.4 - Damaged Timber

3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are marked with green paint. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$200 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

4 - Transportation

4.1 - Construction

4.1.3 - Slash and earthen piles (8/04)

Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road maintenance or construction, including stumps, shall be dispersed throughout the sale.

4.1.6 - Road construction (1/09)

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 10 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. These roads must be rendered impassable to cars and trucks. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. Contact the Sale

Administrator for specific details of design and placement.

4.2 - Maintenance

4.2.2 - Fill material (4/07)

To maintain roads, fill material may be needed in areas where "holes" exist or may be expected to develop. This fill material should be placed before trucking begins. This fill material shall only consist of crushed rock, gravel, or cobbles and must not contain organic material or clay.

4.2.5 - Two wheel drive condition (2/04)

All existing trail roads on and adjacent to the sale area must be passable by two-wheel drive traffic for the duration of the sale.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference between the Purchaser and sale administrator is required prior to beginning any operations, to determine landing and road locations. The Unit Manager or his/her representative must be contacted in advance to schedule the conference.

5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract specifications.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation and to protect oak stump sprout regeneration from browsing, chipping or removal of treetops is not permitted. In addition, oak tops/slash are to be placed high and wide centered over harvested oak stumps to deter deer browse.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1, unless changed by written agreement, cutting, skidding, and hauling are limited to the period of October 15 to April 15. This restriction is to protect against oak wilt and to encourage vigorous sprouting in the following growing season.

5.2.3.11 - Coppice regeneration protection (4/10)

All timber harvesting must be completed before significant deciduous sprouting occurs, so as to minimize damage to the new regeneration.

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.

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

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

5.2.39 - ORV trail/route protection (4/18)

A motorcycle trail traverses the Sale Area is shown on the Timber Sale Map. Trees with yellow ORV markers shall be cut off above the markers and at least 5 feet above ground. All stumps within 5 feet of the trail must be cut flush with the ground. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the ORV trail or route as the centerline. Do not run equipment down the ORV trail or route. Skidding across the trail or route may only occur in locations approved by the

Sale Administrator.

5.2.41 - Snowmobile trail protection (9/11)

The LP 9 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. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 20 feet of the snowmobile trail must be cut at ground level.

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 are 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.

5.4.2 - Skid trails (2/04)

Skid trails up and down slopes should be avoided. If however this is unavoidable, these trails will be left in a non-erodible condition using water bars, logs, and slash. Placing of slash on these skid trails while logging is ongoing may alleviate need for any further action. At the direction of the sale administrator, seed, fertilizer, and mulch may also be required.

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an on-site evaluation and recommendation can be made, if necessary.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the snowmobile trail 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.

6.2.3 - Recreational trail posting (10/20)

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

7 - Other Conditions

7.3 - Contract Modifications

7.3.2 - Modification for oak wilt (2/05)

Within the sale area, there may be patches of oak wilt. If oak wilt is identified within the sale area, this contract may be modified. The following modifications could occur: time of cutting, species to cut, volume to harvest, or various others dealing with the treatment of oak wilt. If a species is not specified in this contract, it shall be paid for at the average price received for that species and product.

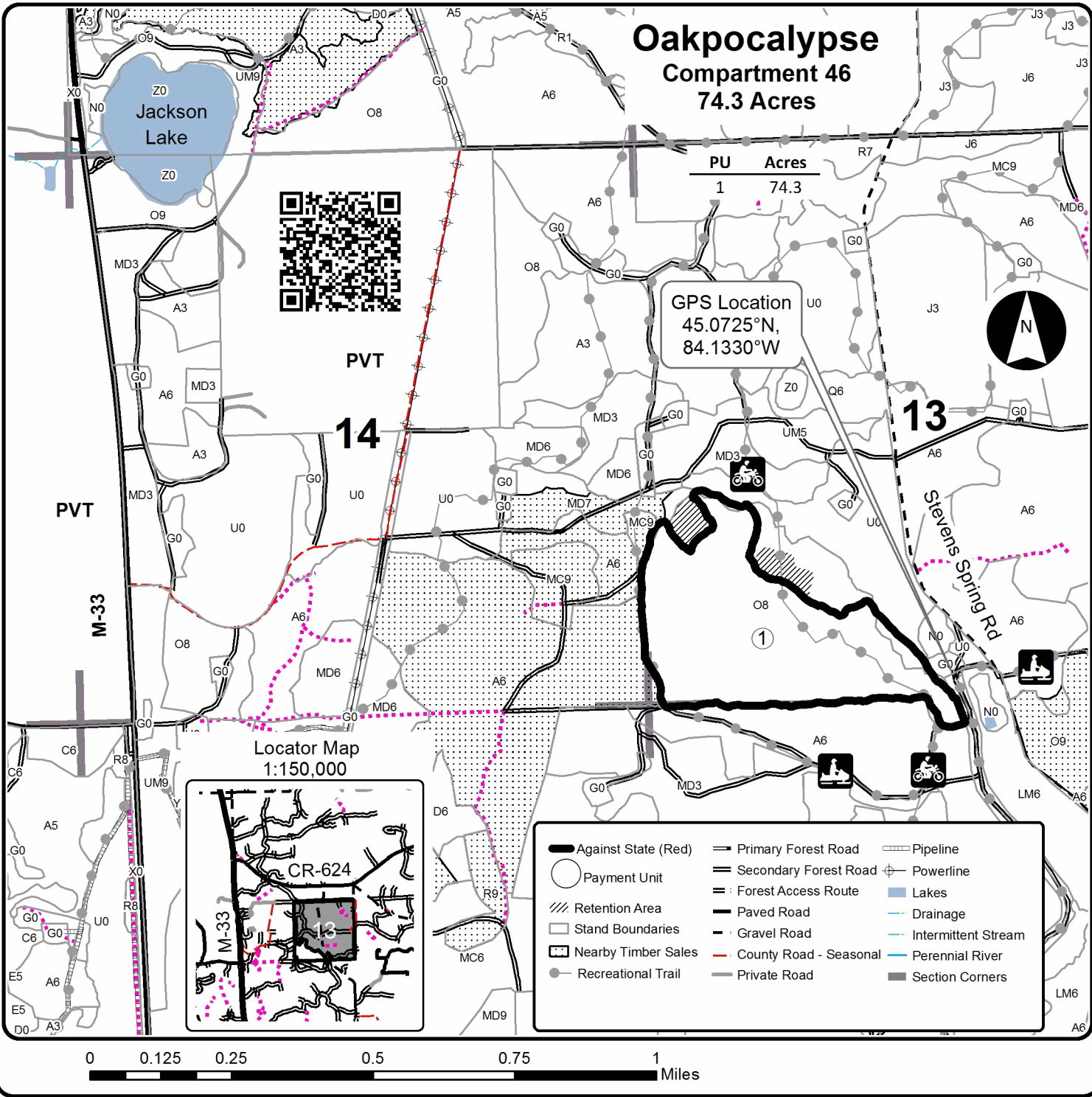


TIMBER SALE MAP

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

Forest Management Unit Atlanta	County Montmorency	Mapped By Natzke	Date 09/21/2022	Page 1	of 1
Township 31N	Range 02E	Section(s) and Subdivision(s) Sec. 13 SW, Sec. 14 SESE, Sec. 24 N2NW, NWNE	Scale 1:15,840		

Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor
D = Tread Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water		
G = Grass	MD = Mixed Deciduous	T = Tamarack			



TIMBER SALE INFORMATION

Grass Lake Rd and Lund Trl Mix (54-006-22)
T31N, R03E, SEC. 1; T31N, R03E, SEC. 11; T31N, R03E, SEC. 2.
Montmorency County (Advertised Price \$51,921.75)

SALE NOTE: 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		
Mixed Aspen	60.4 MBF	\$ 123.00 / MBF
Red Oak	7.8 MBF	\$ 208.00 / MBF
Red Pine	30.1 MBF	\$ 138.00 / MBF
Pulpwood		
Balsam Fir	36 Cords	\$ 28.50 / Cord
Jack Pine	61 Cords	\$ 12.15 / Cord
Mixed Aspen	1,073 Cords	\$ 29.00 / Cord
Mixed Oak	41 Cords	\$ 33.75 / Cord
Mixed Spruce	2 Cords	\$ 20.15 / Cord
Red Maple	76 Cords	\$ 29.70 / Cord
Red Pine	34 Cords	\$ 40.80 / Cord
White Pine	25 Cords	\$ 30.55 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 16.85 percent. There are an estimated 1,561 cords on this timber sale, plus or minus 263 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 \$2,596.00 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	27.0%
02	38.5%
03	26.1%
04	8.4%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2025.

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
123,346	1,561	16.85%	1,298	1,824

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
18	9,663	122	63.97%	44	201
19	80,710	1,022	18.46%	833	1,210
44	32,974	417	28.26%	299	535
TOTAL:	123,346	1,561		1,177	1,946

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
18	7.4	4	7.4
19	27.4	1	11.3
		2	16.1
44	15.7	3	14.7
		4	1.0
TOTAL:	50.5		50.5

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	19.5	MBF	11.3	\$14,004.25
	<i>B. T. Aspen</i>		12.4	<i>MBF</i>		
	<i>Quaking Aspen</i>		7.1	<i>MBF</i>		
	Red Oak		3.2	MBF		
	Red Pine		3.0	MBF		
	Balsam Fir	Pulpwood	2	Cords		
	Mixed Aspen		304	Cords		
	<i>B. T. Aspen</i>		178	<i>Cords</i>		
	<i>Quaking Aspen</i>		126	<i>Cords</i>		
	Mixed Oak		14	Cords		
	<i>White Oak</i>	<i>Sawtimber</i>	0.7	<i>MBF</i>		
	<i>Red Oak</i>	<i>Pulpwood</i>	12	<i>Cords</i>		
	<i>White Oak</i>		1	<i>Cords</i>		
	Red Maple		25	Cords		
	Red Pine		4	Cords		
	White Pine		9	Cords		
2	Mixed Aspen	Sawtimber	27.7	MBF	16.1	\$19,970.70
	<i>B. T. Aspen</i>		17.6	<i>MBF</i>		
	<i>Quaking Aspen</i>		10.1	<i>MBF</i>		
	Red Oak		4.6	MBF		
	Red Pine		4.2	MBF		
	Balsam Fir	Pulpwood	3	Cords		
	Mixed Aspen		432	Cords		
	<i>B. T. Aspen</i>		253	<i>Cords</i>		
	<i>Quaking Aspen</i>		179	<i>Cords</i>		
	Mixed Oak		22	Cords		
	<i>White Oak</i>	<i>Sawtimber</i>	1.1	<i>MBF</i>		
	<i>Red Oak</i>	<i>Pulpwood</i>	18	<i>Cords</i>		
	<i>White Oak</i>		2	<i>Cords</i>		
	Red Maple		35	Cords		
	Red Pine		5	Cords		
	White Pine		14	Cords		
3	Mixed Aspen	Sawtimber	12.4	MBF	14.7	\$13,559.55
	<i>Quaking Aspen</i>		12.4	<i>MBF</i>		
	Red Pine		21.4	MBF		
	Balsam Fir	Pulpwood	29	Cords		
	Jack Pine		29	Cords		
	Mixed Aspen		240	Cords		
	<i>Quaking Aspen</i>		240	<i>Cords</i>		
	Red Maple		7	Cords		
	Red Pine		18	Cords		
4	Mixed Aspen	Sawtimber	0.8	MBF	8.4	\$4,353.50
	<i>Quaking Aspen</i>		0.8	<i>MBF</i>		
	Red Pine		1.5	MBF		
	Balsam Fir	Pulpwood	2	Cords		
	Jack Pine		32	Cords		
	Mixed Aspen		97	Cords		
	<i>Quaking Aspen</i>		97	<i>Cords</i>		
	Mixed Oak		4	Cords		
	<i>/Red (Hybrid) Oak</i>	<i>Sawtimber</i>	0.7	<i>MBF</i>		
	<i>/Red (Hybrid) Oak</i>	<i>Pulpwood</i>	3	<i>Cords</i>		
	Mixed Spruce		2	Cords		
	<i>Black Spruce</i>	<i>Sawtimber</i>	0.4	<i>MBF</i>		
	<i>Black Spruce</i>	<i>Pulpwood</i>	1	<i>Cords</i>		
	Red Maple		9	Cords		
	Red Pine		7	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
4 con't	White Pine	Pulpwood	2	Cords		
TOTAL:			98.3	MBF		
TOTAL:			1,347	Cords		

Sale Specific Conditions & Requirements

Sale Name: Grass Lake Rd and Lund Trl Mix

Sale Number: 54-006-22 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 blue, red, or yellow paint, or are unpainted and identified by a road. Exterior sale boundary lines against private 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, with the exception of the boundary between Payment Units 3 & 4 which is unmarked and designed by a state forest road. Retention boundaries are marked with red paint as shown on the Timber Sale Map. No harvest activities will be allowed within the retention areas. The painted boundary line trees are not Included Timber and are to be protected. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid. In addition, a state forest road designates the boundary between Payment Units 3 & 4 and may only be crossed once 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, cut all trees that are two (2) inches or more at DBH.

Note: See spec 5.2.4.7 - 'Dead and down creation' for instructions on orange marked trees.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) valued over \$25,000, may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

4 - Transportation

4.1 - Construction

4.1.3 - Slash and earthen piles (8/04)

Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road maintenance or construction, including stumps, shall be chipped, utilized or otherwise removed from the sale.

4.1.6 - Road construction (1/09)

Construction 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 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

Narrow access into Payment Units 1 and 2 will require widening and blading on lengths of state forest roads. Additional access timber must be piled separately for scaling by the Sale Administrator. The improved roads and constructed roads must not be unreasonably widened beyond 15 feet. Note that there are some humps in the road that will need to be leveled by a bulldozer in order to allow for trucking.

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. Stumps and brush must be placed along the remainder of the trail. These roads must be rendered impassable to cars and trucks. Contact the Sale Administrator for specific details of design and placement.

4.2 - Maintenance

4.2.5 - Two wheel drive condition (2/04)

All existing trail roads on and adjacent to the sale area must be passable by two-wheel drive traffic for the duration of the sale.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference between the Purchaser and sale administrator is required prior to beginning any operations, to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 5 days in advance to schedule the conference.

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

The Purchaser is responsible for contacting the gas or pipeline company 30 days prior to operating equipment in the vicinity of well heads or natural gas pipelines.

5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 5 days prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract specifications.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in the maintained wildlife opening which is indicated by "G0" on the Timber Sale Map. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 4, it is recommended but not required, that cutting and skidding occur during the period of July 15 to March 1. This restriction is to minimize rutting lowland areas.

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 1 and 2, unless changed by written agreement, cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. Operations may be allowed if specific steps are taken to prevent damaging uncut oak during the high risk period. Those steps may include completing all road brushing before April 15th and clearing a tree-length buffer along uncut oak cover before April 15th. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in Payment Units 1-4 must be completed within 60 days of severing/cutting stem(s) to minimize damage to deciduous regeneration. Any post harvest operations, such as chipping, must be completed before sprouting of regeneration occurs. If it is anticipated that chipping will be delayed, then tops shall be carried to one central location or left unchipped. The Unit Manager or his/her representative may cease such operations if sprouting occurs before the operation is complete.

5.2.4 - Dead and Down Creation

5.2.4.7 - Dead and down creation: hare, grouse, deer and other species (5/15)

To improve horizontal cover habitat for snowshoe hare, grouse, deer, and other species, the Purchaser is to push over all orange painted trees in Payment Units 1-4. These trees should be tipped over with the root ball still attached so the base of the tree is suspended off the ground. The crown of the fallen tree should be at or near ground level after it is pushed over. If it is impractical to push the trees over, they may be cut or partially cut and pushed over.

5.2.31 - Landing locations (9/13)

Landing locations are shown on the Timber Sale Map. Landings must be confined to these designated sites unless otherwise authorized by the Unit Manager or his/her representative.

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.

5.2.33 - Gas well re-vegetation (12/08)

In the event that the gas well is utilized for a landing, the site must be re-vegetated with a seeding mixture specified by the Unit Manager or his/her representative.

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

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

5.2.39 - ORV trail/route protection (4/18)

The Atlanta ORV trail or route and is shown on the Timber Sale Map. Do not cut trees or damage posts with yellow ORV markers. All stumps within 5 feet of the trail must be cut flush with the ground. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the ORV trail or route as the centerline. Do not run equipment down the ORV trail or route. Skidding across the trail or route may only occur in locations approved by the Sale Administrator.

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 are 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.

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an on-site evaluation and recommendation can be made, if necessary.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.3 - Recreational trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Atlanta ORV trail prior to beginning operations. The trail must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic at both ends of the trail. 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.

Forest Management Unit
Atlanta Management Unit

County
Montmorency

Mapped By
Coy
Cruised By
Coy

Date
08/26/2022

Page
1
of
2

Township
31N

Range
03E

Section(s) and Subdivision(s)
1-SWNW 2-S1/2NE 11-SW,NWSE

1:15,840

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 = Tread 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

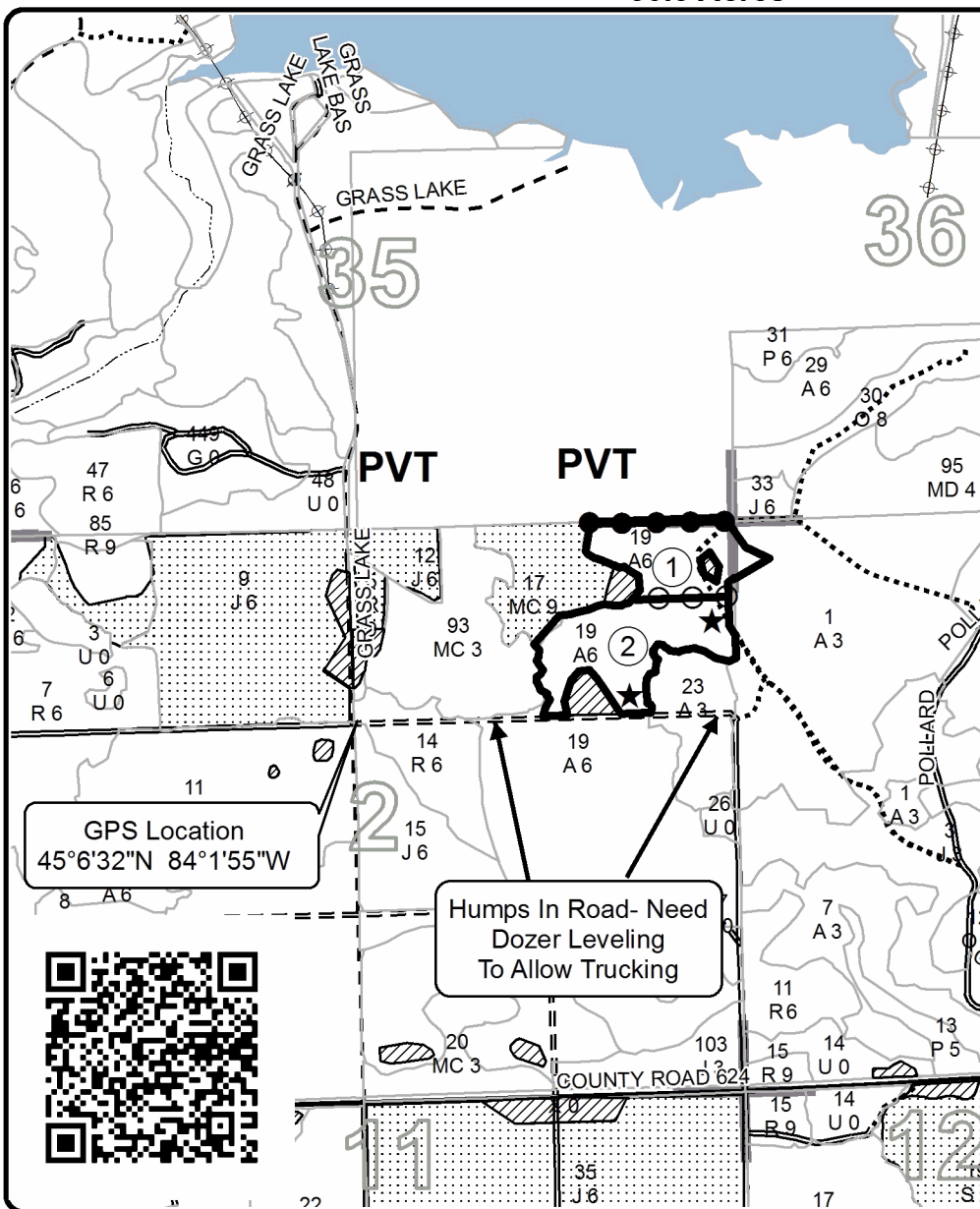
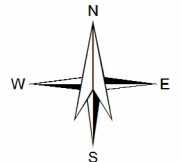
PU Acres

1	11.3
2	16.1
3	14.7
4	8.4

Grass Lake Rd and Lund Trl Mix

Compartment 49

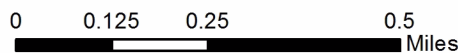
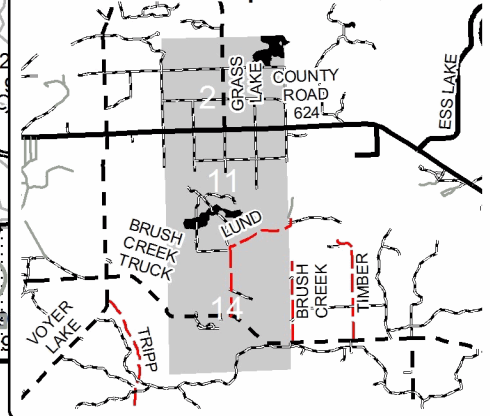
50.5 Acres



Legend

- Against State (Red)
- Private Line (Blue)
- Payment Unit Line (Yellow)
- Retention Area (Red)
- Stand Boundaries
- Nearby Timber Sales
- Payment Unit
- Landing
- Secondary Road
- Forest Access Route
- Paved Road
- Gravel Road
- Temporary Access
- Powerline
- Lakes
- Section Corner

Locator Map 1:100,000





TIMBER SALE MAP

54 - 006

2022

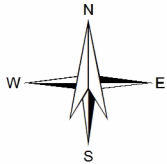
This information provided by authority of Part 525, 1994 PA 451, as amended.

Forest Management Unit Atlanta Management Unit	County Montmorency	Mapped By Coy	Date 08/26/2022	Page 2	of 2
Township 31N	Range 03E	Section(s) and Subdivision(s) 1-SWNW 2-S1/2NE 11-SW,NWSE	1:15,840		

Cover Type				Density			
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium		
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest	1 = Seedling Sapling Poor	6 = Pole Timber Well		
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor		
D = Tread Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium		
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well		
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand				
G = Grass	MD = Mixed Deciduous						
H = Hemlock	N = Marsh						

PU Acres

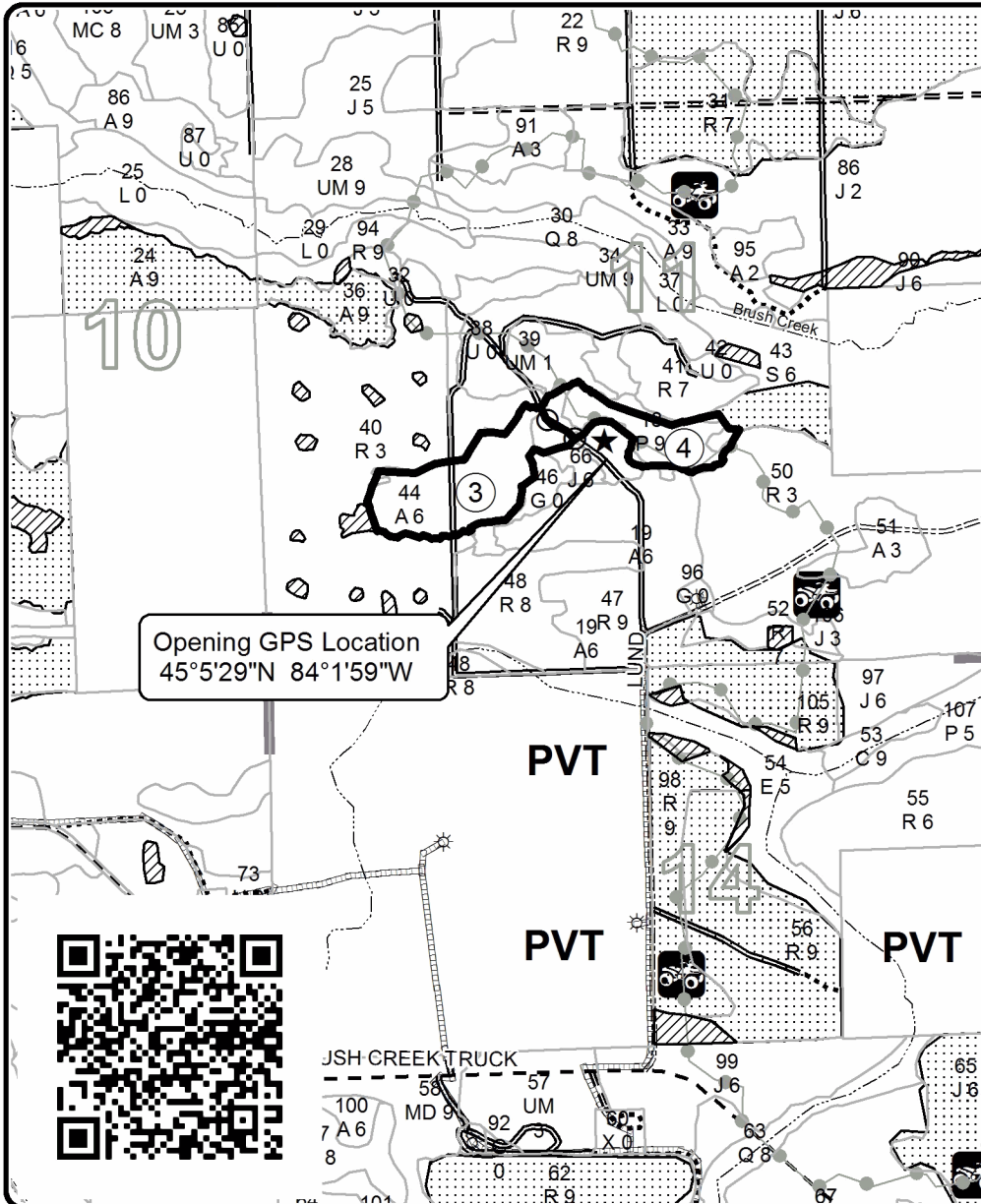
1	11.3
2	16.1
3	14.7
4	8.4



Grass Lake Rd and Lund Trl Mix

Compartment 49

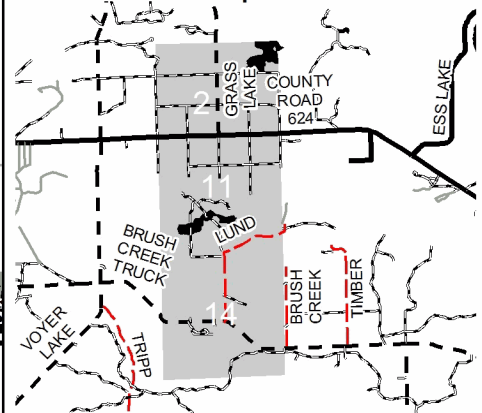
50.5 Acres



Legend

- Against State (Red)
- Payment Unit Line (Road)
- Retention Area (Red)
- Stand Boundaries
- Nearby Timber Sales
- Payment Unit
- Landing
- Gas Well
- Recreational Trail
- Secondary Road
- Forest Access Route
- Gravel Road
- County Road - Seasonal
- Private Road
- Temporary Access
- Pipeline
- Intermittent Stream
- Perennial River
- Section Corner

Locator Map 1:100,000



TIMBER SALE INFORMATION

Grass Lake Rd and Lund Pine (54-016-22)
 T31N, R03E, SEC. 11; T31N, R03E, SEC. 14; T31N, R03E, SEC. 2.
 Montmorency County (Advertised Price \$254,816.80)

SALE NOTE: 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		
Black/Red (Hybrid) Oak	4.7 MBF	\$ 192.00 / MBF
Mixed Aspen	43.5 MBF	\$ 156.00 / MBF
Red Maple	5.6 MBF	\$ 132.00 / MBF
Red Oak	29.2 MBF	\$ 263.00 / MBF
Red Pine	827.6 MBF	\$ 175.00 / MBF
White Pine	19.3 MBF	\$ 171.00 / MBF
Pulpwood		
Balsam Fir	25 Cords	\$ 36.10 / Cord
Black Spruce	9 Cords	\$ 25.55 / Cord
Jack Pine	2,183 Cords	\$ 15.40 / Cord
Mixed Aspen	152 Cords	\$ 36.75 / Cord
Mixed Hardwood	77 Cords	\$ 37.60 / Cord
Mixed Oak	107 Cords	\$ 42.75 / Cord
Red Pine	742 Cords	\$ 51.70 / Cord
White Pine	114 Cords	\$ 38.70 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 10.80 percent. There are an estimated 5,395 cords on this timber sale, plus or minus 583 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 \$12,741.00 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	5.4%
02	6.7%
03	7.6%
04	5.0%
05	5.4%
06	6.4%
07	14.0%
08	21.1%
09	15.8%
10	5.2%
11	7.4%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2026.

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
426,168	5,395	10.80%	4,811	5,978

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
5	8,063	102	939.18%	0	1,061
7	11,465	145	23.61%	111	179
9	44,105	558	31.90%	380	736
12	6,341	80	55.38%	36	125
17	25,494	323	38.58%	198	447
31	18,425	233	26.18%	172	294
35	99,999	1,266	22.91%	976	1,556
52	6,262	79	63.78%	29	130
56	74,126	938	19.75%	753	1,124
62	27,412	347	25.72%	258	436
65	33,955	430	30.32%	299	560
98	35,014	443	38.30%	273	613
105	35,507	449	50.67%	222	677
TOTAL:	426,168	5,395		3,707	7,938

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
5	2.0	2	2.0
7	5.1	1	5.1
9	40.2	1	20.8
		2	19.4
12	5.2	2	5.2
17	11.9	3	11.9
31	24.0	4	1.8
		6	22.2
35	66.4	4	29.8
		5	35.5
		6	1.1
52	5.2	7	5.2
56	29.5	8	16.7
		9	12.8
62	16.8	11	16.8
65	22.4	10	22.4
98	13.7	8	8.0
		9	5.7
105	12.4	7	12.4
TOTAL:	254.8		254.8

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
1	Mixed Aspen	Sawtimber	19.1	MBF	25.9	\$13,869.75	
	<i>B. T. Aspen</i>		15.5	<i>MBF</i>			
	<i>Quaking Aspen</i>		3.6	<i>MBF</i>			
	Red Oak		3.7	MBF			
	Red Pine		11.6	MBF			
	Balsam Fir		Pulpwood	2			Cords
	Black Spruce			9			Cords
	Jack Pine			274			Cords
	<i>Jack Pine</i>			274			<i>Cords</i>
	Mixed Aspen			31			Cords
	<i>B. T. Aspen</i>			23			<i>Cords</i>
	<i>Quaking Aspen</i>			8			<i>Cords</i>
	Mixed Oak			17			Cords
	<i>/Red (Hybrid) Oak</i>			3			<i>Cords</i>
	<i>Northern Pin Oak</i>			2			<i>Cords</i>
	<i>Red Oak</i>			12			<i>Cords</i>
	Red Pine			29			Cords
	2			Mixed Aspen			Sawtimber
<i>B. T. Aspen</i>		14.6		<i>MBF</i>			
<i>Quaking Aspen</i>		3.3		<i>MBF</i>			
Red Oak		1.4		MBF			
Red Pine		37.8		MBF			
Balsam Fir		Pulpwood		1	Cords		
Jack Pine			264	Cords			
<i>Jack Pine</i>			264	<i>Cords</i>			
Mixed Aspen			30	Cords			
<i>B. T. Aspen</i>			21	<i>Cords</i>			
<i>Quaking Aspen</i>			9	<i>Cords</i>			
Mixed Hardwood			2	Cords			
<i>Black Cherry</i>			2	<i>Cords</i>			
Mixed Oak			12	Cords			
<i>/Red (Hybrid) Oak</i>			2	<i>Cords</i>			
<i>Northern Pin Oak</i>			2	<i>Cords</i>			
<i>Red Oak</i>			8	<i>Cords</i>			
Red Pine			27	Cords			
3	Red Maple		Sawtimber	1.8	MBF	11.9	\$19,306.10
	Red Oak			3.5	MBF		
	Red Pine			48.6	MBF		
	White Pine			16.4	MBF		
	Jack Pine			Pulpwood	2		
	<i>Jack Pine</i>	2			<i>Cords</i>		
	Mixed Aspen	63			Cords		
	<i>B. T. Aspen</i>	11			<i>Cords</i>		
	<i>Quaking Aspen</i>	52			<i>Cords</i>		
	Mixed Hardwood	10			Cords		
	<i>Red Maple</i>	10			<i>Cords</i>		
	Mixed Oak	19			Cords		
	<i>Red Oak</i>	19			<i>Cords</i>		
	Red Pine	19			Cords		
	White Pine	60			Cords		
4	Mixed Aspen	Sawtimber	2.1		MBF	31.6	\$12,792.70
	<i>B. T. Aspen</i>		2.1		<i>MBF</i>		
	Red Oak		0.4		MBF		
	Red Pine		14.8		MBF		
	Balsam Fir		Pulpwood	4	Cords		
	Jack Pine			553	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
4 con't	<i>Jack Pine</i>	<i>Sawtimber</i>	26.0	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	501	<i>Cords</i>		
	Mixed Aspen		7	Cords		
	<i>B. T. Aspen</i>		7	<i>Cords</i>		
	Mixed Oak		3	Cords		
	<i>/Red (Hybrid) Oak</i>		2	<i>Cords</i>		
	<i>Red Oak</i>		1	<i>Cords</i>		
	Red Pine		14	Cords		
5	Mixed Aspen	Sawtimber	2.5	MBF	35.5	\$13,749.95
	<i>B. T. Aspen</i>		2.5	<i>MBF</i>		
	Red Pine		11.1	MBF		
	Balsam Fir	Pulpwood	5	Cords		
	Jack Pine		659	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	31.0	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	597	<i>Cords</i>		
	Mixed Aspen		9	Cords		
	<i>B. T. Aspen</i>		9	<i>Cords</i>		
	Mixed Oak		2	Cords		
	<i>/Red (Hybrid) Oak</i>		2	<i>Cords</i>		
	Red Pine		13	Cords		
6	Mixed Aspen	Sawtimber	0.1	MBF	23.3	\$16,234.35
	<i>B. T. Aspen</i>		0.1	<i>MBF</i>		
	Red Oak		4.8	MBF		
	Red Pine		68.1	MBF		
	Jack Pine	Pulpwood	32	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	1.0	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	30	<i>Cords</i>		
	Mixed Oak		13	Cords		
	<i>/Red (Hybrid) Oak</i>		7	<i>Cords</i>		
	<i>Red Oak</i>		6	<i>Cords</i>		
	Red Pine		37	Cords		
	White Pine		2	Cords		
7	Red Pine	Sawtimber	160.1	MBF	17.6	\$35,647.15
	Jack Pine	Pulpwood	58	Cords		
	<i>Jack Pine</i>		58	<i>Cords</i>		
	Mixed Hardwood		8	Cords		
	<i>Red Maple</i>		8	<i>Cords</i>		
	Mixed Oak		3	Cords		
	<i>/Red (Hybrid) Oak</i>		3	<i>Cords</i>		
	Red Pine		122	Cords		
8	Red Maple	Sawtimber	1.3	MBF	24.7	\$53,945.20
	Red Pine		260.7	MBF		
	Balsam Fir	Pulpwood	1	Cords		
	Jack Pine		51	Cords		
	<i>Jack Pine</i>		51	<i>Cords</i>		
	Mixed Aspen		3	Cords		
	<i>Quaking Aspen</i>		3	<i>Cords</i>		
	Mixed Hardwood		25	Cords		
	<i>Red Maple</i>		25	<i>Cords</i>		
	Mixed Oak		3	Cords		
	<i>Northern Pin Oak</i>		3	<i>Cords</i>		
	Red Pine		107	Cords		
	White Pine		16	Cords		
9	Red Maple	Sawtimber	1.0	MBF	18.5	\$40,244.20
	Red Pine		194.0	MBF		
	Balsam Fir	Pulpwood	1	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
9 con't	Jack Pine	Pulpwood	39	Cords			
	<i>Jack Pine</i>		39	<i>Cords</i>			
	Mixed Aspen		2	Cords			
	<i>Quaking Aspen</i>		2	<i>Cords</i>			
	Mixed Hardwood		19	Cords			
	<i>Red Maple</i>		19	<i>Cords</i>			
	Mixed Oak		2	Cords			
	<i>Northern Pin Oak</i>		2	<i>Cords</i>			
	Red Pine		81	Cords			
	White Pine		12	Cords			
10	Black/Red (Hybrid)	Sawtimber	4.7	MBF	22.4	\$13,275.40	
	Mixed Aspen		1.8	MBF			
	<i>B. T. Aspen</i>		1.8	<i>MBF</i>			
	Red Maple		1.5	MBF			
	Red Oak		15.4	MBF			
	White Pine		2.9	MBF			
	Balsam Fir		Pulpwood	11			Cords
	Jack Pine			251			Cords
	<i>Jack Pine</i>			251			<i>Cords</i>
	Mixed Aspen			7			Cords
	<i>B. T. Aspen</i>	3		<i>Cords</i>			
	<i>Quaking Aspen</i>	4		<i>Cords</i>			
	Mixed Hardwood	13		Cords			
	<i>Black Cherry</i>	2		<i>Cords</i>			
	<i>Red Maple</i>	11		<i>Cords</i>			
	Mixed Oak	33		Cords			
	<i>/Red (Hybrid) Oak</i>	20	<i>Cords</i>				
	<i>Red Oak</i>	13	<i>Cords</i>				
	White Pine	24	Cords				
	11	Red Pine	Sawtimber	20.8	MBF	16.8	\$18,788.10
Red Pine		Pulpwood	293	Cords			
TOTAL:			929.9	MBF			
TOTAL:			3,409	Cords			

Sale Specific Conditions & Requirements

Sale Name: Grass Lake Rd and Lund Pine

Sale Number: 54-016-22 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 blue, red, or yellow paint, or are unmarked and designated by roads. Exterior sale boundary lines against private 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, with the exception of the boundaries between Payment Units 4 & 5 and 8 & 9, which are unpainted and designated by state forest roads. The painted boundary line trees are not Included Timber and are to be protected. Yellow painted trees or state forest roads designating an interior Payment Unit boundary are only to be cut or crossed 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) 1-5 and 7-10, cut all trees that are two (2) inches or more at DBH, except do not cut any trees marked with purple paint in Payment Unit 3.

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

Within Payment Unit(s) 11, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.1.5 - Overstory removal unit(s) (8/11)

Within Payment Unit(s) 6, all trees greater than 4.5 inches, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except do not cut any trees marked with purple paint.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

Payment Units 1-2, 4-5, and 7-10, must be chip harvested to facilitate subsequent planting operations. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portion of the trees must be chipped and hauled. Products may be produced as roundwood and forwarded to decking areas in the final product length, but the tops must be left intact and skidded to the landing for chipping to minimize the amount of residual slash. If market conditions limit the practicality of chipping tops and slash, trees greater than 4 inches at DBH must be cut to a 2-inch top or smaller. Sub-merchantable trees, and hardwood limbs 4 inches or greater where they attach to the stem, are to be cut/reduced to 4-foot lengths. Slash must not be 3 feet high. Operations will be terminated or halted if slash is not being reduced to acceptable level and damages will be collected determined by the cost to complete the cost of the work. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter is still applicable (G. C. & R. 2.2).

2.2.3 - Stump heights (4/07)

Stump heights within Payment Units 1-2, 4-5, and 7-10 shall not exceed 6 inches.

2.2.5 - Limbed tree skidding (1/09)

The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Units 6 and 11, unless approved by the Unit Manager or his/her representative.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) valued over \$25,000 may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

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.

Within Payment Unit 6, if more than 50% of the tree seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the Sale Area are damaged, liquidated damages will be assessed at \$200 per acre for all acreage within that specified portion of the Sale Area that was damaged.

No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 5% 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.

4 - Transportation

4.1 - Construction

4.1.3 - Slash and earthen piles (8/04)

Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road maintenance or construction, including stumps, shall be chipped, utilized or otherwise removed from the sale.

4.1.6 - Road construction (1/09)

Construction 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 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

A short forwarding and/or skidding access trail will need to be created to access Payment Unit 3. The trail must be discussed and pre-designated with the Sale Administrator approval before any trail work begins.

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. Stumps and brush must be placed along the remainder of the trail. These roads must be rendered impassable to cars and trucks. Contact the Sale Administrator for specific details of design and placement.

4.2 - Maintenance

4.2.5 - Two wheel drive condition (2/04)

All existing trail roads on and adjacent to the sale area must be passable by two-wheel drive traffic for the duration of the sale.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference between the Purchaser and sale administrator is required prior to beginning any operations to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 5 days in advance to schedule the conference.

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

The Purchaser is responsible for contacting the gas or pipeline company 30 days prior to operating equipment in the vicinity of well heads or natural gas pipelines.

5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 5 days prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract

specifications.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in the maintained wildlife opening which is indicated by "G0" on the Timber Sale Map. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

5.2.3 - Operating Restrictions

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 11, 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.

5.2.3.4 - Oak wilt restriction, no exceptions (1/18)

Within Payment Unit(s) 3 and 6, cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit 10, unless changed by written agreement, cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. Operations may be allowed if specific steps are taken to prevent damaging uncut oak during the high risk period. Those steps may include completing all road brushing before April 15th and clearing a tree-length buffer along uncut oak cover before April 15th. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

5.2.3.6 - Bark beetle restriction (12/08)

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4 mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in Payment Unit 3 and 6 must be completed within 60 days of severing/cutting stem(s) to minimize damage to deciduous regeneration. Any post harvest operations, such as chipping, must be completed before sprouting of regeneration occurs. If it is anticipated that chipping will be delayed, then tops shall be carried to one central location or left unchipped. The Unit Manager or his/her representative may cease such operations if sprouting occurs before the operation is complete.

5.2.31 - Landing locations (9/13)

Landing locations are marked on the Timber Sale Map. Landings must be confined to these designated sites unless otherwise authorized by the Unit Manager or his/her representative.

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.

5.2.33 - Gas well re-vegetation (12/08)

In the event that the gas well is utilized for a landing, the site must be re-vegetated with a seeding mixture specified by the

Unit Manager or his/her representative.

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

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

5.2.39 - ORV trail/route protection (4/18)

The Atlanta ORV trail or route and is shown on the Timber Sale Map. Do not cut trees or damage posts with yellow ORV markers. All stumps within 5 feet of the trail must be cut flush with the ground. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the ORV trail or route as the centerline. Do not run equipment down the ORV trail or route. Skidding across the trail or route may only occur in locations approved by the Sale Administrator.

5.2.41 - Snowmobile trail protection (9/11)

The 496 and 4 snowmobile trails are 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. The snowmobile trail may only be crossed at right angles. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted within 50 feet the snowmobile trail. All stumps within 20 feet of the snowmobile trail must be cut at ground level.

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.

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an on-site evaluation and recommendation can be made, if necessary.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on snowmobile trail 4 and 496 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.

6.2.3 - Recreational trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the Atlanta ORV and the 496 & 4 snowmobile trails prior to beginning operations. The trail must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic at both ends of the trail. 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

54 - 016

Year

2022

Forest Management Unit
Atlanta Management Unit

County
Montmorency

Mapped By
Coy
Cruised By
Coy

Date
08/03/2022

Page
1
of
2

Township
31N

Range
03E

Section(s) and Subdivision(s)
2- S2NW,S2NE 11-E2NW,NE,SESW,SWSE 14-N2NE,SWNE,N2SW,N2SE,SESE 1:15,840

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 = Tread 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

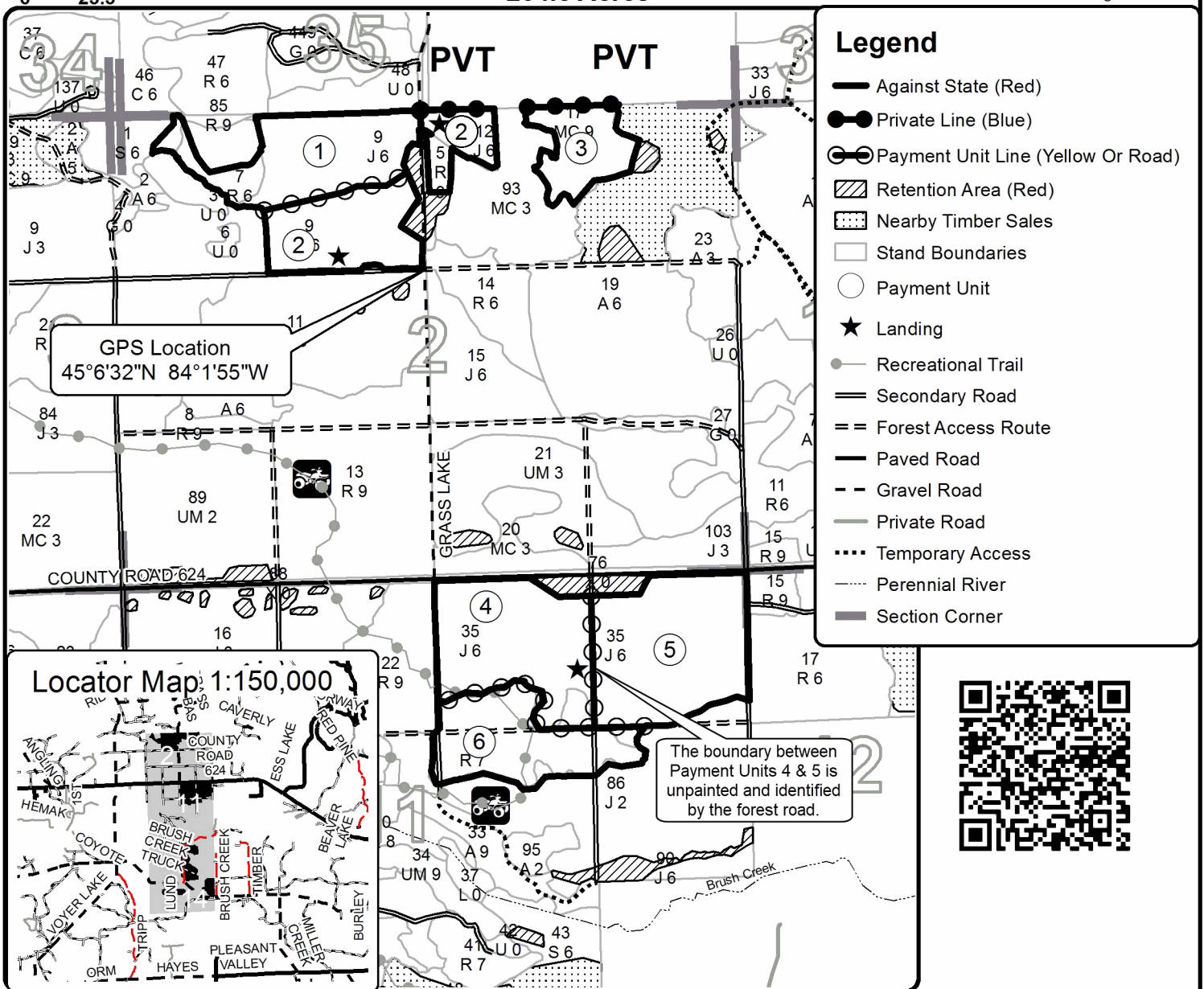
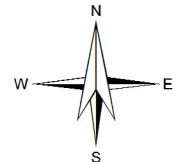
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

PU	Acres	PU	Acres
1	25.9	7	17.6
2	26.6	8	24.7
3	11.9	9	18.5
4	31.6	10	22.4
5	35.5	11	16.8
6	23.3		

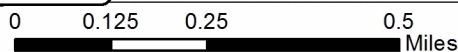
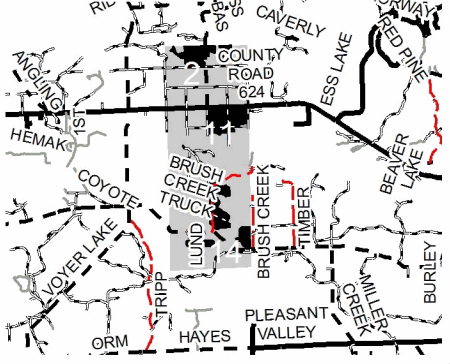
Grass Lake Rd and Lund Pine

Compartment 49

254.8 Acres



Locator Map 1:150,000





TIMBER SALE MAP

54 - 016

2022

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

Forest Management Unit Atlanta Management Unit	County Montmorency	Mapped By Coy	Date 08/03/2022	Page 2	of 2
Township 31N	Range 03E	Section(s) and Subdivision(s) 2-S2NW,S2NE 11-E2NW,NE,SESW,SWSE 14-N2NE,SWNE,N2SW,N2SE,SESE			1:15,840

Cover Type

A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
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F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous		Z = Water
H = Hemlock	N = Marsh		

Density

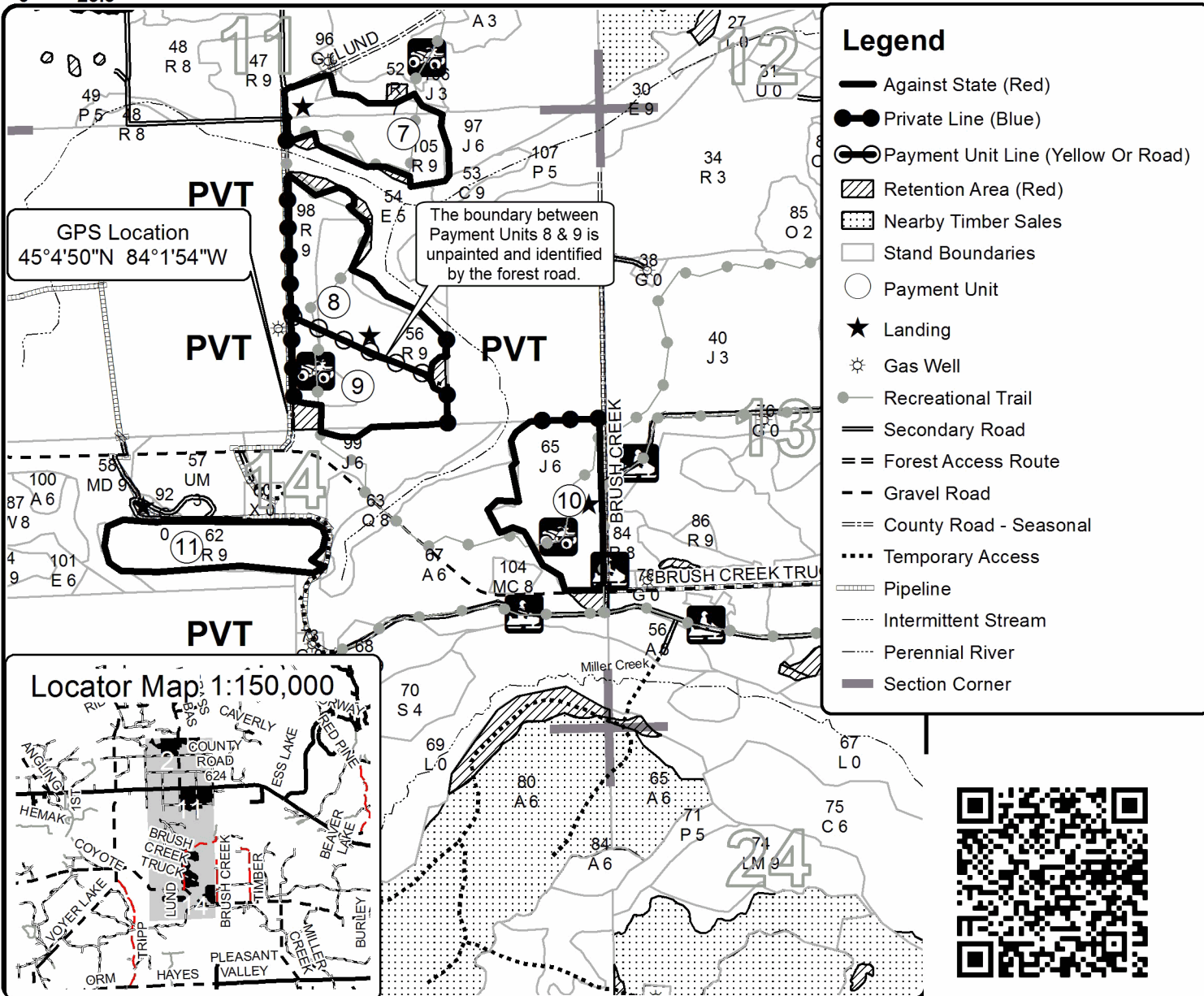
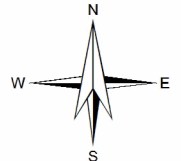
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PU	Acres	PU	Acres
1	25.9	7	17.6
2	26.6	8	24.7
3	11.9	9	18.5
4	31.6	10	22.4
5	35.5	11	16.8
6	23.3		

Grass Lake Rd and Lund Pine

Compartment 49

254.8 Acres



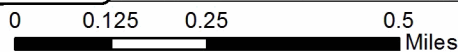
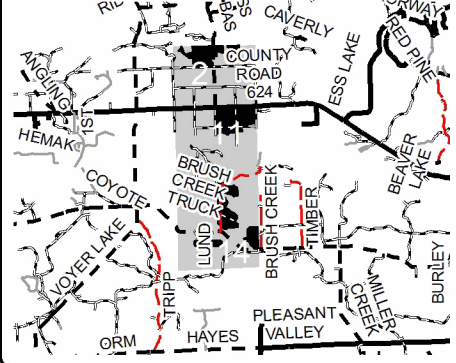
GPS Location
45°4'50"N 84°1'54"W

The boundary between Payment Units 8 & 9 is unpainted and identified by the forest road.

Legend

- Against State (Red)
- Private Line (Blue)
- Payment Unit Line (Yellow Or Road)
- Retention Area (Red)
- Nearby Timber Sales
- Stand Boundaries
- Payment Unit
- Landing
- Gas Well
- Recreational Trail
- Secondary Road
- Forest Access Route
- Gravel Road
- County Road - Seasonal
- Temporary Access
- Pipeline
- Intermittent Stream
- Perennial River
- Section Corner

Locator Map 1:150,000



Oakpocalypse (54-001-22)

T31N, R02E, SEC. 13; T31N, R02E, SEC. 14; T31N, R02E, SEC. 24; Montmorency

In response to the notice of sale to be held 10:00 a.m. (local time) on September 19, 2023, 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 Oak	366.7 MBF	\$ 208.00/MBF	\$ _____
Red Pine	17.3 MBF	\$ 138.00/MBF	\$ _____
Pulpwood			
Red Maple	111 Cords	\$ 29.70/Cord	\$ _____
Red Oak	519 Cords	\$ 33.75/Cord	\$ _____
Red Pine	31 Cords	\$ 40.80/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 15.83 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

Grass Lake Rd and Lund Trl Mix (54-006-22)
T31N, R03E, SEC. 1; T31N, R03E, SEC. 11; T31N, R03E, SEC. 2; Montmorency

In response to the notice of sale to be held 10:00 a.m. (local time) on September 19, 2023, 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			
Mixed Aspen	60.4 MBF	\$ 123.00/MBF	\$ _____
Red Oak	7.8 MBF	\$ 208.00/MBF	\$ _____
Red Pine	30.1 MBF	\$ 138.00/MBF	\$ _____
Pulpwood			
Balsam Fir	36 Cords	\$ 28.50/Cord	\$ _____
Jack Pine	61 Cords	\$ 12.15/Cord	\$ _____
Mixed Aspen	1,073 Cords	\$ 29.00/Cord	\$ _____
Mixed Oak	41 Cords	\$ 33.75/Cord	\$ _____
Mixed Spruce	2 Cords	\$ 20.15/Cord	\$ _____
Red Maple	76 Cords	\$ 29.70/Cord	\$ _____
Red Pine	34 Cords	\$ 40.80/Cord	\$ _____
White Pine	25 Cords	\$ 30.55/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 16.85 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

Grass Lake Rd and Lund Pine (54-016-22)
T31N, R03E, SEC. 11; T31N, R03E, SEC. 14; T31N, R03E, SEC. 2; Montmorency

In response to the notice of sale to be held 10:00 a.m. (local time) on September 19, 2023, 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			
Black/Red (Hybrid) Oak	4.7 MBF	\$ 192.00/MBF	\$ _____
Mixed Aspen	43.5 MBF	\$ 156.00/MBF	\$ _____
Red Maple	5.6 MBF	\$ 132.00/MBF	\$ _____
Red Oak	29.2 MBF	\$ 263.00/MBF	\$ _____
Red Pine	827.6 MBF	\$ 175.00/MBF	\$ _____
White Pine	19.3 MBF	\$ 171.00/MBF	\$ _____
Pulpwood			
Balsam Fir	25 Cords	\$ 36.10/Cord	\$ _____
Black Spruce	9 Cords	\$ 25.55/Cord	\$ _____
Jack Pine	2,183 Cords	\$ 15.40/Cord	\$ _____
Mixed Aspen	152 Cords	\$ 36.75/Cord	\$ _____
Mixed Hardwood	77 Cords	\$ 37.60/Cord	\$ _____
Mixed Oak	107 Cords	\$ 42.75/Cord	\$ _____
Red Pine	742 Cords	\$ 51.70/Cord	\$ _____
White Pine	114 Cords	\$ 38.70/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 10.80 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

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 - 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).
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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