



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6846

SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on April 27, 2021.

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:

Aspen Under Scrutiny (54-007-20) / T29N, R03E, SEC. 26, NWNW,S1/2NW,W1/2SW.

T29N, R03E, SEC. 27, NENE,S1/2NE,N1/2SE,SESE.

T29N, R03E, SEC. 34, E1/2NE.

T29N, R03E, SEC. 35, SWNW.

Montmorency County, Advertised Price \$67,707.45, 152.0 Acres, Aspen, Hardwood.

SALE NOTE: Portions of Payment Unit(s) 1, 2, and 7 are wet. Operating caution advised.

Stairway 2 Grouse Heaven Aspen (54-008-20) / T29N, R03E, SEC. 23, NENW,S1/2NW,S1/2NE,SW,SE.

T29N, R03E, SEC. 26, NWNE,S1/2NE,W1/2SE.

Montmorency County, Advertised Price \$61,969.70, 188.4 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.

Silk Purse Aspen (54-009-20) / T29N, R03E, SEC. 35, S1/2NE,N1/2SE,SESE.

Montmorency County, Advertised Price \$37,229.90, 62.3 Acres, Aspen, Hardwood.

SALE NOTE: A narrow strip of trees stands between a powerline and M-33. Please contact PIE&G and MDOT at least 30 days before operating in that area.

Sow's Ear Aspen (54-010-20) / T29N, R03E, SEC. 27, NW.

Montmorency County, Advertised Price \$13,912.70, 56.3 Acres, Aspen, Hardwood.

BID INSTRUCTIONS (VER. 07/02/2018):

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 April 27, 2021. For further information concerning this sale, contact Cody Stevens at 989-785-4251 extension 5240.

2. Bidder's Qualifications (5/16)

Purchaser shall obtain workers 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. 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 contract. 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. Timber Sale Contract (7/18)

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 ($\$1,500/\$10,000 * 100$).

10. Disclaimer of Estimates and Bidder's Warranty of Inspection (7/16)

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.

11. Certification and Chain-of-Custody (10/14)

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.

12. Good Neighbor Authority (GNA) Requirements (7/16)

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).

13. Good Neighbor Authority (GNA) Requirements, con't (9/16)

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.

DAN EICHINGER
Director

TIMBER SALE INFORMATION

Aspen Under Scrutiny (54-007-20)

T29N, R03E, SEC. 26; T29N, R03E, SEC. 27; T29N, R03E, SEC. 34; T29N, R03E, SEC. 35.
Montmorency County (Advertised Price \$67,707.45)

SALE NOTE: Portions of Payment Unit(s) 1, 2, and 7 are wet. Operating caution advised.

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 T-Sale computer program and our traditional volume equations. 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	7.6 MBF	\$ 42.00 / MBF
Mixed Aspen	38.9 MBF	\$ 41.00 / MBF
Red Maple	15.0 MBF	\$ 50.00 / MBF
Red Oak	181.1 MBF	\$ 141.00 / MBF
Sugar Maple	6.7 MBF	\$ 242.00 / MBF
White Pine	6.9 MBF	\$ 49.00 / MBF
Pulpwood		
Balsam Fir	42 Cords	\$ 13.60 / Cord
Basswood	25 Cords	\$ 5.35 / Cord
Mixed Aspen	1,866 Cords	\$ 13.20 / Cord
Mixed Hardwood	403 Cords	\$ 13.70 / Cord
Mixed Oak	392 Cords	\$ 16.80 / Cord
Mixed Spruce	3 Cords	\$ 6.50 / Cord
White Pine	6 Cords	\$ 14.40 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 9.46 percent. There are an estimated 3,251 cords on this timber sale, plus or minus 308 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:

- A bond in the amount of \$3,385.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
- Cutting in any sale or unit without the required advance payment would be considered a trespass.
- Total payment must be paid in advance or according to the following schedule:
 - Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - 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:

<u>PAYMENT UNIT NUMBER</u>	<u>PERCENT OF TOTAL SALE VALUE</u>
01	9.8%
02	10.0%
03	7.6%
04	12.8%
05	13.4%
06	13.7%
07	8.7%
08	7.1%
09	6.7%
10	10.2%

- If no cutting takes place, the 10% down payment will not be refunded.
- Operations on the contract issued will terminate on 12/31/2023.

SALE STATISTICS

SALE VOLUMES

<u>VOLUME</u>		<u>STATISTICAL RANGE IN CORDS</u>		
<u>TOTAL CUBIC FEET</u>	<u>TOTAL CORDS</u>	<u>PERCENT ERROR</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>
256,801	3,251	9.46%	2,943	3,558

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
8	95,393	1,208	16.05%	1,014	1,401
20	20,959	265	29.40%	187	343
21	3,974	50	43.70%	28	72
60	33,204	420	24.17%	319	522
63	25,912	328	26.20%	242	414
81	21,140	268	23.36%	205	330
105	56,216	712	14.49%	608	815
TOTAL:	256,797	3,251		2,604	3,898

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
8	49.6	2	14.8
		3	11.3
		4	19.1
		5	4.4
20	8.0	5	5.7
		6	2.3
21	8.9	1	8.9
60	23.6	7	6.2
		8	17.4
63	22.1	1	22.0
		2	0.1
81	11.7	6	7.1
		7	4.6
105	28.1	9	11.1
		10	17.0
TOTAL:	152.0		152.0

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	3.8	MBF	30.9	\$6,616.30
	<i>Quaking Aspen</i>		3.8	<i>MBF</i>		
	Red Maple		8.4	MBF		
	Red Oak		10.7	MBF		
	White Pine		0.6	MBF		
	Balsam Fir	Pulpwood	1	Cords		
	<i>Balsam Fir</i>		1	<i>Cords</i>		
	Mixed Aspen		228	Cords		
	<i>B. T. Aspen</i>		47	<i>Cords</i>		
	<i>Quaking Aspen</i>		181	<i>Cords</i>		
	Mixed Hardwood		64	Cords		
	<i>Red Maple</i>		64	<i>Cords</i>		
	Mixed Oak		35	Cords		
	<i>Northern Pin Oak</i>	<i>Sawtimber</i>	1.2	<i>MBF</i>		
	<i>Northern Pin Oak</i>	<i>Pulpwood</i>	5	<i>Cords</i>		
	<i>Red Oak</i>		28	<i>Cords</i>		
	White Pine		1	Cords		
2	Mixed Aspen	Sawtimber	5.9	MBF	14.9	\$6,749.10
	<i>B. T. Aspen</i>		4.8	<i>MBF</i>		
	<i>Quaking Aspen</i>		1.1	<i>MBF</i>		
	Red Maple		1.1	MBF		
	Red Oak		14.3	MBF		
	Sugar Maple		0.4	MBF		
	Balsam Fir	Pulpwood	2	Cords		
	<i>Balsam Fir</i>	<i>Sawtimber</i>	0.2	<i>MBF</i>		
	<i>Balsam Fir</i>	<i>Pulpwood</i>	2	<i>Cords</i>		
	Mixed Aspen		247	Cords		
	<i>B. T. Aspen</i>		109	<i>Cords</i>		
	<i>Balsam Poplar</i>		2	<i>Cords</i>		
	<i>Quaking Aspen</i>		136	<i>Cords</i>		
	Mixed Hardwood		26	Cords		
	<i>Paper Birch</i>	<i>Sawtimber</i>	0.4	<i>MBF</i>		
	<i>Ironwood</i>	<i>Pulpwood</i>	1	<i>Cords</i>		
	<i>Paper Birch</i>		6	<i>Cords</i>		
	<i>Red Maple</i>		17	<i>Cords</i>		
	<i>Sugar Maple</i>		1	<i>Cords</i>		
	Mixed Oak		41	Cords		
	<i>Red Oak</i>		41	<i>Cords</i>		
	Mixed Spruce		1	Cords		
<i>White Spruce</i>	<i>Sawtimber</i>	0.2	<i>MBF</i>			
<i>White Spruce</i>	<i>Pulpwood</i>	1	<i>Cords</i>			
3	Mixed Aspen	Sawtimber	4.5	MBF	11.3	\$5,138.10
	<i>B. T. Aspen</i>		3.7	<i>MBF</i>		
	<i>Quaking Aspen</i>		0.8	<i>MBF</i>		
	Red Maple		0.8	MBF		
	Red Oak		10.9	MBF		
	Sugar Maple		0.3	MBF		
	Balsam Fir	Pulpwood	2	Cords		
	<i>Balsam Fir</i>	<i>Sawtimber</i>	0.2	<i>MBF</i>		
	<i>Balsam Fir</i>	<i>Pulpwood</i>	2	<i>Cords</i>		
	Mixed Aspen		187	Cords		
	<i>B. T. Aspen</i>		83	<i>Cords</i>		
	<i>Balsam Poplar</i>		1	<i>Cords</i>		
	<i>Quaking Aspen</i>		103	<i>Cords</i>		
	Mixed Hardwood		21	Cords		
	<i>Paper Birch</i>	<i>Sawtimber</i>	0.3	<i>MBF</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE			
3 con't	<i>Ironwood</i>	<i>Pulpwood</i>	1	<i>Cords</i>					
	<i>Paper Birch</i>		5	<i>Cords</i>					
	<i>Red Maple</i>		13	<i>Cords</i>					
	<i>Sugar Maple</i>		1	<i>Cords</i>					
	Mixed Oak		31	<i>Cords</i>					
	<i>Red Oak</i>		31	<i>Cords</i>					
4	Mixed Aspen	Sawtimber	7.6	MBF	19.1	\$8,684.90			
	<i>B. T. Aspen</i>		6.2	<i>MBF</i>					
	<i>Quaking Aspen</i>		1.4	<i>MBF</i>					
	Red Maple		1.4	MBF					
	Red Oak		18.4	MBF					
	Sugar Maple		0.5	MBF					
	Balsam Fir	Pulpwood	3	Cords					
	<i>Balsam Fir</i>	<i>Sawtimber</i>	0.2	<i>MBF</i>					
	<i>Balsam Fir</i>	<i>Pulpwood</i>	3	<i>Cords</i>					
	Mixed Aspen		317	Cords					
	<i>B. T. Aspen</i>		141	<i>Cords</i>					
	<i>Balsam Poplar</i>		2	<i>Cords</i>					
	<i>Quaking Aspen</i>		174	<i>Cords</i>					
	Mixed Hardwood		34	Cords					
	<i>Paper Birch</i>	<i>Sawtimber</i>	0.6	<i>MBF</i>					
	<i>Ironwood</i>	<i>Pulpwood</i>	1	<i>Cords</i>					
	<i>Paper Birch</i>		8	<i>Cords</i>					
	<i>Red Maple</i>		22	<i>Cords</i>					
	<i>Sugar Maple</i>		2	<i>Cords</i>					
	Mixed Oak		53	Cords					
	<i>Red Oak</i>		53	<i>Cords</i>					
	Mixed Spruce		1	Cords					
	<i>White Spruce</i>	<i>Sawtimber</i>	0.2	<i>MBF</i>					
	<i>White Spruce</i>	<i>Pulpwood</i>	1	<i>Cords</i>					
	5	Basswood	Sawtimber	2.5			MBF	10.1	\$9,062.30
		Mixed Aspen		2.8			MBF		
		<i>B. T. Aspen</i>		2.5			<i>MBF</i>		
<i>Quaking Aspen</i>			0.3	<i>MBF</i>					
Red Maple			0.3	MBF					
Red Oak			40.9	MBF					
Sugar Maple			0.6	MBF					
White Pine			3.7	MBF					
Balsam Fir		Pulpwood	1	Cords					
<i>Balsam Fir</i>		<i>Sawtimber</i>	0.1	<i>MBF</i>					
<i>Balsam Fir</i>		<i>Pulpwood</i>	1	<i>Cords</i>					
Basswood			10	Cords					
Mixed Aspen			86	Cords					
<i>B. T. Aspen</i>			34	<i>Cords</i>					
<i>Balsam Poplar</i>			1	<i>Cords</i>					
<i>Quaking Aspen</i>			51	<i>Cords</i>					
Mixed Hardwood			30	Cords					
<i>Beech</i>		<i>Sawtimber</i>	1.2	<i>MBF</i>					
<i>Paper Birch</i>			0.1	<i>MBF</i>					
<i>Beech</i>		<i>Pulpwood</i>	8	<i>Cords</i>					
<i>Paper Birch</i>			2	<i>Cords</i>					
<i>Red Maple</i>			9	<i>Cords</i>					
<i>Sugar Maple</i>			9	<i>Cords</i>					
Mixed Oak			65	Cords					
<i>Red Oak</i>			65	<i>Cords</i>					
White Pine			2	Cords					

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE		
6	Basswood	Sawtimber	3.5	MBF	9.4	\$9,298.80		
	Mixed Aspen		0.7	MBF				
	<i>B. T. Aspen</i>		0.7	<i>MBF</i>				
	Red Oak		47.0	MBF				
	Sugar Maple		2.3	MBF				
	White Pine		1.5	MBF				
	Basswood	Pulpwood	8	Cords				
	Mixed Aspen		14	Cords				
	<i>B. T. Aspen</i>		2	<i>Cords</i>				
	<i>Quaking Aspen</i>		12	<i>Cords</i>				
	Mixed Hardwood		56	Cords				
	<i>Beech</i>		Sawtimber	0.5			<i>MBF</i>	
	<i>Beech</i>			Pulpwood			5	<i>Cords</i>
	<i>Ironwood</i>						4	<i>Cords</i>
	<i>Red Maple</i>						6	<i>Cords</i>
	<i>Sugar Maple</i>						40	<i>Cords</i>
	Mixed Oak						51	Cords
	<i>Red Oak</i>						51	<i>Cords</i>
	White Pine		1				Cords	
7	Basswood	Sawtimber	1.6	MBF	10.8	\$5,897.35		
	Mixed Aspen		1.6	MBF				
	<i>B. T. Aspen</i>		1.4	<i>MBF</i>				
	<i>Quaking Aspen</i>		0.2	<i>MBF</i>				
	Red Oak	22.0	MBF					
	Sugar Maple	1.5	MBF					
	Basswood	Pulpwood	3	Cords				
	Mixed Aspen		80	Cords				
	<i>B. T. Aspen</i>		62	<i>Cords</i>				
	<i>Quaking Aspen</i>		18	<i>Cords</i>				
	Mixed Hardwood		43	Cords				
	<i>Beech</i>		1	<i>Cords</i>				
	<i>Ironwood</i>		3	<i>Cords</i>				
	<i>Paper Birch</i>		1	<i>Cords</i>				
	<i>Red Maple</i>		14	<i>Cords</i>				
	<i>Sugar Maple</i>		24	<i>Cords</i>				
	Mixed Oak		38	Cords				
	<i>Red Oak</i>		38	<i>Cords</i>				
	8		Mixed Aspen	Sawtimber			3.7	MBF
<i>B. T. Aspen</i>			3.3		<i>MBF</i>			
<i>Quaking Aspen</i>			0.4		<i>MBF</i>			
Red Oak		3.3	MBF					
Sugar Maple		0.5	MBF					
Mixed Aspen		Pulpwood	208	Cords				
<i>B. T. Aspen</i>			170	<i>Cords</i>				
<i>Quaking Aspen</i>			38	<i>Cords</i>				
Mixed Hardwood			34	Cords				
<i>Paper Birch</i>			1	<i>Cords</i>				
<i>Red Maple</i>			32	<i>Cords</i>				
<i>Sugar Maple</i>			1	<i>Cords</i>				
Mixed Oak			53	Cords				
<i>Red Oak</i>			53	<i>Cords</i>				
9	Mixed Aspen		Sawtimber	3.2	MBF	11.1	\$4,511.50	
	<i>B. T. Aspen</i>	3.0		<i>MBF</i>				
	<i>Quaking Aspen</i>	0.2		<i>MBF</i>				
	Red Maple	1.2		MBF				
	Red Oak	5.4		MBF				

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
9 con't	Sugar Maple	Sawtimber	0.2	MBF			
	White Pine		0.4	MBF			
	Balsam Fir	Pulpwood	13	Cords			
	<i>Balsam Fir</i>		13	<i>Cords</i>			
	Basswood		2	Cords			
	Mixed Aspen		197	Cords			
	<i>B. T. Aspen</i>		102	<i>Cords</i>			
	<i>Quaking Aspen</i>		95	<i>Cords</i>			
	Mixed Hardwood		38	Cords			
	<i>Paper Birch</i>		2	<i>Cords</i>			
	<i>Red Maple</i>		32	<i>Cords</i>			
	<i>Sugar Maple</i>		4	<i>Cords</i>			
	Mixed Oak		10	Cords			
	<i>Red Oak</i>		10	<i>Cords</i>			
	White Pine		1	Cords			
10	Mixed Aspen		Sawtimber	5.1	MBF	17.0	\$6,889.20
	<i>B. T. Aspen</i>			4.7	<i>MBF</i>		
	<i>Quaking Aspen</i>	0.4		<i>MBF</i>			
	Red Maple	1.8		MBF			
	Red Oak	8.2		MBF			
	Sugar Maple	0.4		MBF			
	White Pine	0.7		MBF			
	Balsam Fir	Pulpwood		19	Cords		
	<i>Balsam Fir</i>			19	<i>Cords</i>		
	Basswood			2	Cords		
	Mixed Aspen			302	Cords		
	<i>B. T. Aspen</i>			156	<i>Cords</i>		
	<i>Quaking Aspen</i>			146	<i>Cords</i>		
	Mixed Hardwood			57	Cords		
	<i>Paper Birch</i>			2	<i>Cords</i>		
	<i>Red Maple</i>			50	<i>Cords</i>		
	<i>Sugar Maple</i>			5	<i>Cords</i>		
	Mixed Oak			15	Cords		
	<i>Red Oak</i>			15	<i>Cords</i>		
	White Pine			1	Cords		
TOTAL:			256.2	MBF			
TOTAL:			2,735	Cords			

Sale Specific Conditions & Requirements

Sale Name: Aspen Under Scrutiny

Sale Number: 54-007-20 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, 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. 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) 1-10, cut all trees that are two (2) inches or more at DBH, except do not cut oak 26" or more at DBH which have been marked in green paint above and below stump height. In addition, the following exceptions apply:

- Within Payment Units 2-5 and 8-10, do not cut white pine or red pine.
- Within Payment Unit 7, do not cut cedar or hemlock.

Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

2.1.15 - Hazard trees near roads (7/13)

Cut and remove all standing dead trees within 100 feet of the cleared portion of Greasy Creek, McIntire, and Abbe Roads. These trees must be scattered back into the Sale Area.

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. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings. Within Payment Unit 1, 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 \$100 per acre for all acreage within that specified portion of the Sale Area that was damaged.

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 trees marked with green paint above and below stump height, along with red pine and white pine in Payment Units 2-5 and 8-10. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$200 per green-marked tree, \$100 per pine sawtimber tree, and \$50 per pine pulp tree. 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.

4.1.4 - Timber removed for construction (12/09)

Trees cut or damaged in the process of pre-approved road, landing or skid trail construction will be decked in an area separate

from other Designated Timber and not removed until measured by the sale administrator. Payment will be made at the specified Purchase Unit Price.

4.1.6 - Road construction (1/09)

Construction of new roads and 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. Timber cut for road construction shall be piled separately for scaling and billing at unit purchase prices. 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. 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. Fill material shall consist only of crushed rock or cobbles.

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.

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

The Purchaser is responsible for contacting the gas company, Riverside Energy Michigan (231-995-4000), 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 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

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

Within Payment Unit(s) 3, 4 and 8, cutting, skidding, and 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(s) 1, 2, 5-7 and 9-10, 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.

5.2.3.11 - Coppice regeneration protection (4/10)

All timber harvesting operations in any Payment Unit must be completed before significant deciduous sprouting occurs to minimize damage to the new regeneration. Any post-harvest operations, such as chipping, forwarding, or skidding must be completed within 30 days of severing stems. If it is anticipated that these activities will be delayed, then tops, roundwood, or drags shall be carried to one central location or left in place in the harvest unit. 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

5.2.4.1 - Dead and down creation, marked trees (10/13)

Within Payment Unit(s) 2-5 and 8-10, to improve horizontal cover habitat for snowshoe hare, grouse, deer, and other species, the Purchaser is to push over trees indicated by an orange-painted X. 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 impossible or impractical to push these trees over, they may be severed or partially severed at the stump. Whenever possible the stem of the tree should rest above ground level.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 1, 2, and 7, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because these units contain soils that may be seasonally wet and may not support equipment without causing rutting and compaction. The Producer must use the utmost caution when operating on these soils under wet conditions.

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.

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.



TIMBER SALE MAP

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

Sale Number	Year
54 - 007	20

Forest Management Unit Atlanta Management Unit	County Montmorency	Mapped By Natzke	Date 04/16/2020	Page 1	of 1
Township 29 N	Range 03 E	Section(s) and Subdivision(s) S. 26: NW, W2SW; S. 27: NE, SE; S. 34: E2NE; S. 35: SWNW	Scale 1:15,840		

Cover Type

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

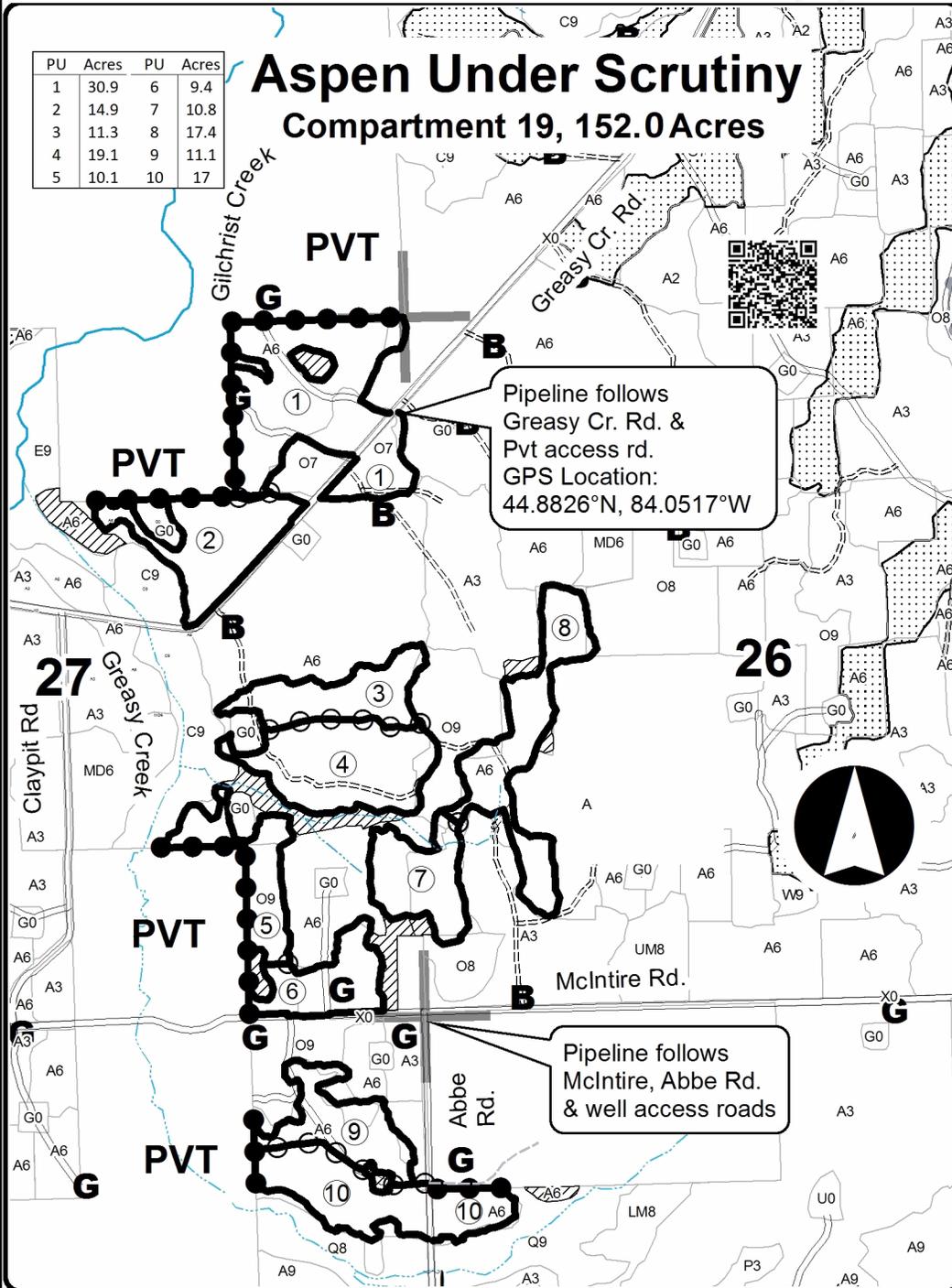
Density

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	30.9	6	9.4
2	14.9	7	10.8
3	11.3	8	17.4
4	19.1	9	11.1
5	10.1	10	17

Aspen Under Scrutiny

Compartment 19, 152.0 Acres



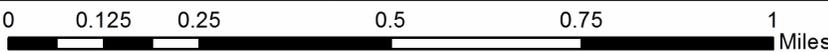
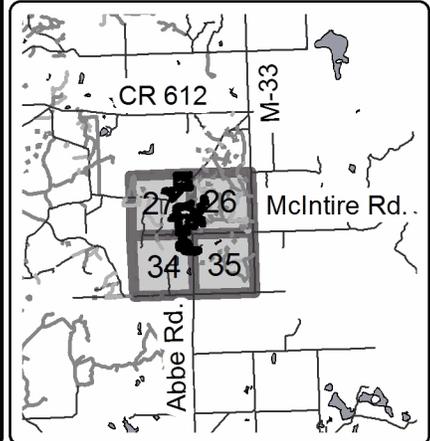
Pipeline follows Greasy Cr. Rd. & Pvt access rd.
GPS Location: 44.8826°N, 84.0517°W

Pipeline follows McIntire, Abbe Rd. & well access roads

Legend

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Retention Area
- Nearby Timber Sales
- Stand Boundaries
- Unpaved Road
- Closed Road
- Private Road
- G** Gate
- B** Berm
- Drain
- Intermittent Stream
- Perennial River
- Section Corners

Locator Map
1:200,000



TIMBER SALE INFORMATION

Stairway 2 Grouse Heaven Aspen (54-008-20)
T29N, R03E, SEC. 23; T29N, R03E, SEC. 26.
Montmorency County (Advertised Price \$61,969.70)

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 T-Sale computer program and our traditional volume equations. 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	19.9 MBF	\$ 41.00 / MBF
Northern Pin Oak	9.8 MBF	\$ 72.00 / MBF
Red Maple	11.9 MBF	\$ 50.00 / MBF
Red Oak	137.3 MBF	\$ 141.00 / MBF
White Oak	1.2 MBF	\$ 69.00 / MBF
Pulpwood		
Balsam Fir	45 Cords	\$ 13.60 / Cord
Mixed Aspen	1,722 Cords	\$ 13.20 / Cord
Mixed Hardwood	379 Cords	\$ 13.70 / Cord
Mixed Oak	693 Cords	\$ 16.80 / Cord
White Spruce	36 Cords	\$ 6.50 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 9.30 percent. There are an estimated 3,241 cords on this timber sale, plus or minus 301 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 \$3,098.00 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	11.2%
02	13.8%
03	8.2%
04	5.1%
05	10.3%
06	10.0%
07	12.2%
08	9.2%
09	11.8%
10	8.2%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2023.

SALE STATISTICS

SALE VOLUMES

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
256,073	3,241	9.30%	2,940	3,543

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
22	17,506	222	18.37%	181	262
33	16,156	205	18.02%	168	241
54	9,757	124	31.26%	85	162
58	46,199	585	17.77%	481	689
68	5,151	65	45.23%	36	95
84	44,880	568	19.28%	459	678
85	96,451	1,221	14.92%	1,039	1,403
95	7,284	92	31.92%	63	122
135	12,751	161	63.51%	59	264
TOTAL:	256,134	3,242		2,569	3,915

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
22	25.1	5	9.6
		6	15.5
33	19.0	4	4.9
		5	14.1
54	8.4	4	8.4
58	29.1	7	13.3
		8	15.8
68	5.4	7	5.4
84	27.1	9	12.6
		10	14.5
85	63.7	1	16.5
		2	29.5
		3	17.7
95	6.5	9	6.5
135	4.1	1	4.1
TOTAL:	188.4		188.4

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE			
1	Mixed Aspen	Sawtimber	3.1	MBF	20.6	\$6,954.30			
	<i>B. T. Aspen</i>		2.2	<i>MBF</i>					
	<i>Quaking Aspen</i>		0.9	<i>MBF</i>					
	Northern Pin Oak		2.4	MBF					
	Red Maple		5.4	MBF					
	Red Oak		3.1	MBF					
	White Oak		0.2	MBF					
	Balsam Fir	Pulpwood	20	Cords					
	Mixed Aspen		345	Cords					
	<i>B. T. Aspen</i>		81	<i>Cords</i>					
	<i>Quaking Aspen</i>		264	<i>Cords</i>					
	Mixed Hardwood		49	Cords					
	<i>Paper Birch</i>	<i>Sawtimber</i>	0.7	<i>MBF</i>					
	<i>Black Cherry</i>	<i>Pulpwood</i>	1	<i>Cords</i>					
	<i>Paper Birch</i>		6	<i>Cords</i>					
	<i>Red Maple</i>		41	<i>Cords</i>					
	Mixed Oak		19	Cords					
	<i>Northern Pin Oak</i>		8	<i>Cords</i>					
	<i>Red Oak</i>		11	<i>Cords</i>					
	White Spruce		18	Cords					
	<i>White Spruce</i>	<i>Sawtimber</i>	2.3	<i>MBF</i>					
	<i>White Spruce</i>	<i>Pulpwood</i>	13	<i>Cords</i>					
	2	Mixed Aspen	Sawtimber	3.4			MBF	29.5	\$8,518.00
<i>B. T. Aspen</i>			1.9	<i>MBF</i>					
<i>Quaking Aspen</i>			1.5	<i>MBF</i>					
Northern Pin Oak			4.2	MBF					
Red Maple			3.3	MBF					
Red Oak			5.5	MBF					
White Oak			0.4	MBF					
Balsam Fir		Pulpwood	16	Cords					
Mixed Aspen			416	Cords					
<i>B. T. Aspen</i>			54	<i>Cords</i>					
<i>Quaking Aspen</i>			362	<i>Cords</i>					
Mixed Hardwood			54	Cords					
<i>Black Cherry</i>			1	<i>Cords</i>					
<i>Paper Birch</i>			1	<i>Cords</i>					
<i>Red Maple</i>			52	<i>Cords</i>					
Mixed Oak			35	Cords					
<i>Northern Pin Oak</i>			15	<i>Cords</i>					
<i>Red Oak</i>			20	<i>Cords</i>					
White Spruce			11	Cords					
<i>White Spruce</i>		<i>Sawtimber</i>	0.8	<i>MBF</i>					
<i>White Spruce</i>		<i>Pulpwood</i>	9	<i>Cords</i>					
3		Mixed Aspen	Sawtimber	2.0	MBF	17.7	\$5,094.20		
		<i>B. T. Aspen</i>		1.1	<i>MBF</i>				
	<i>Quaking Aspen</i>		0.9	<i>MBF</i>					
	Northern Pin Oak		2.5	MBF					
	Red Maple		2.0	MBF					
	Red Oak		3.3	MBF					
	White Oak		0.2	MBF					
	Balsam Fir	Pulpwood	9	Cords					
	Mixed Aspen		249	Cords					
	<i>B. T. Aspen</i>		32	<i>Cords</i>					
	<i>Quaking Aspen</i>		217	<i>Cords</i>					
	Mixed Hardwood		33	Cords					
	<i>Black Cherry</i>		1	<i>Cords</i>					

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
3 con't	<i>Paper Birch</i>	<i>Pulpwood</i>	1	<i>Cords</i>		
	<i>Red Maple</i>		31	<i>Cords</i>		
	Mixed Oak		21	<i>Cords</i>		
	<i>Northern Pin Oak</i>		9	<i>Cords</i>		
	<i>Red Oak</i>		12	<i>Cords</i>		
	White Spruce		6	<i>Cords</i>		
	<i>White Spruce</i>	<i>Sawtimber</i>	0.5	<i>MBF</i>		
	<i>White Spruce</i>	<i>Pulpwood</i>	5	<i>Cords</i>		
	4	Mixed Aspen	Sawtimber	3.4	MBF	13.3
<i>B. T. Aspen</i>			3.4	<i>MBF</i>		
Red Oak			3.5	MBF		
Mixed Aspen		Pulpwood	46	<i>Cords</i>		
<i>B. T. Aspen</i>			41	<i>Cords</i>		
<i>Quaking Aspen</i>			5	<i>Cords</i>		
Mixed Hardwood			27	<i>Cords</i>		
<i>Red Maple</i>			27	<i>Cords</i>		
Mixed Oak			91	<i>Cords</i>		
<i>Red Oak</i>			91	<i>Cords</i>		
5		Northern Pin Oak	Sawtimber	0.3	MBF	
	Red Oak		24.1	MBF		
	White Oak		0.2	MBF		
	Mixed Aspen	Pulpwood	34	<i>Cords</i>		
	<i>B. T. Aspen</i>		27	<i>Cords</i>		
	<i>Quaking Aspen</i>		7	<i>Cords</i>		
	Mixed Hardwood		13	<i>Cords</i>		
	<i>Red Maple</i>		13	<i>Cords</i>		
	Mixed Oak		139	<i>Cords</i>		
	<i>Red Oak</i>		138	<i>Cords</i>		
	<i>White Oak</i>		1	<i>Cords</i>		
6	Northern Pin Oak	Sawtimber	0.4	MBF	15.5	\$6,185.20
	Red Oak		36.1	MBF		
	White Oak		0.2	MBF		
	Mixed Hardwood	Pulpwood	4	<i>Cords</i>		
	<i>Red Maple</i>		4	<i>Cords</i>		
	Mixed Oak		59	<i>Cords</i>		
	<i>Northern Pin Oak</i>		1	<i>Cords</i>		
	<i>Red Oak</i>		56	<i>Cords</i>		
	<i>White Oak</i>		2	<i>Cords</i>		
	White Spruce		1	<i>Cords</i>		
	<i>White Spruce</i>		1	<i>Cords</i>		
7	Red Maple	Sawtimber	1.2	MBF	18.7	\$7,551.00
	Red Oak		24.8	MBF		
	Mixed Aspen	Pulpwood	176	<i>Cords</i>		
	<i>B. T. Aspen</i>		176	<i>Cords</i>		
	Mixed Hardwood		30	<i>Cords</i>		
	<i>Red Maple</i>		30	<i>Cords</i>		
	Mixed Oak		75	<i>Cords</i>		
	<i>Red Oak</i>		75	<i>Cords</i>		
8	Red Oak	Sawtimber	11.3	MBF	15.8	\$5,727.20
	Mixed Aspen	Pulpwood	197	<i>Cords</i>		
	<i>B. T. Aspen</i>		197	<i>Cords</i>		
	Mixed Hardwood		31	<i>Cords</i>		
	<i>Red Maple</i>		31	<i>Cords</i>		
	Mixed Oak		66	<i>Cords</i>		
	<i>Red Oak</i>		66	<i>Cords</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
9	Mixed Aspen	Sawtimber	3.7	MBF	19.1	\$7,325.90
	<i>B. T. Aspen</i>		3.7	<i>MBF</i>		
	Red Oak		19.2	MBF		
	Mixed Aspen	Pulpwood	121	Cords		
	<i>B. T. Aspen</i>		106	<i>Cords</i>		
	<i>Quaking Aspen</i>		15	<i>Cords</i>		
	Mixed Hardwood		66	Cords		
	<i>Red Maple</i>		58	<i>Cords</i>		
	<i>Sugar Maple</i>		8	<i>Cords</i>		
	Mixed Oak		117	Cords		
	<i>Red Oak</i>		117	<i>Cords</i>		
	10		Mixed Aspen	Sawtimber		
<i>B. T. Aspen</i>		4.3	<i>MBF</i>			
Red Oak			6.4	MBF		
Mixed Aspen		Pulpwood	138	Cords		
<i>B. T. Aspen</i>			121	<i>Cords</i>		
<i>Quaking Aspen</i>			17	<i>Cords</i>		
Mixed Hardwood			72	Cords		
<i>Red Maple</i>			63	<i>Cords</i>		
<i>Sugar Maple</i>			9	<i>Cords</i>		
Mixed Oak			71	Cords		
<i>Red Oak</i>			71	<i>Cords</i>		
TOTAL:			180.1	MBF		
TOTAL:			2,875	Cords		

Sale Specific Conditions & Requirements

Sale Name: Stairway 2 Grouse Heaven Aspen

Sale Number: 54-008-20 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, and yellow paint, along with roads and trails. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint, with the exception of portions of the boundaries for Payment Units 1, 5, and 6, which are unpainted and identified by Greasy Creek Road. Interior Payment Unit boundaries are marked with yellow paint, with the exception of the boundaries between Payment Units 1 & 2 and 5 & 6, which are unpainted and identified by trails. 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) 1-10, cut all trees that are two (2) inches or more at DBH, except do not cut trees marked above and below stump height in green paint. In addition, do not cut white pine or red pine. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

2.1.15 - Hazard trees near roads (7/13)

Cut and remove all standing dead trees within 100 feet of the cleared portion of Greasy Creek Road, and Greasy Creek Pit Road. These trees must be scattered back into the Sale Area.

3 - Payments

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 those designated by green paint, white pine, and red pine. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$200 per tree 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.

4.1.4 - Timber removed for construction (12/09)

Trees cut or damaged in the process of pre-approved road, landing or skid trail construction will be decked in an area separate from other Designated Timber and not removed until measured by the sale administrator. Payment will be made at the specified Purchase Unit Price.

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. Timber cut for road construction shall be piled separately for scaling and billing at unit purchase prices. 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)

Overgrown roads and bermed 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. Contact the sale administrator for specific details of design and placement.

4.1.12 - No new roads (1/12)

No new roads will be permitted in any Payment Unit. All operations are limited to existing roads. Skid trails only will be allowed.

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. Fill material shall consist only of crushed rock or cobbles.

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.

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

The Purchaser is responsible for contacting the gas company, Riverside Energy Michigan (231-995-4000), 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 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) 5 and 7-10, unless changed by written agreement, cutting, skidding, and hauling are not permitted during the period of March 15 to July 15. This restriction is to avoid rutting, compaction, and soil translocation on significant slopes during break up.

5.2.3.5 - Oak wilt restriction (1/18)

Within all Payment Unit(s), 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)

All timber harvesting operations in any Payment Unit must be completed before significant deciduous sprouting occurs to minimize damage to the new regeneration. Any post-harvest operations, such as chipping, forwarding, or skidding must be completed within 30 days of severing stems. If it is anticipated that these activities will be delayed, then tops, roundwood, or drags shall be carried to one central location or left in place in the harvest unit. 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

5.2.4.1 - Dead and down creation, marked trees (10/13)

Within all Payment Unit(s), to improve horizontal cover habitat for snowshoe hare, grouse, deer, and other species, the Purchaser is to push over trees indicated by an orange-painted X. 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 impossible or impractical to push these trees over, they may be severed or partially severed at the stump. Whenever possible the stem of the tree should rest above ground level.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 1 - 3, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because these units contain soils that may be seasonally wet and may not support equipment without causing rutting and compaction. The Producer must use the utmost caution when operating on these soils under wet conditions.

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.

5.2.40 - Pathway protection (10/10)

The GEM #13 is a hunter walking trail and is shown on the Timber Sale Map. Do not cut trees or damage posts with blue pathway markers. Maintain a 20-foot-wide slash, debris, and rut free zone daily, using the pathway as the centerline. Do not run equipment down the pathway. Skidding across the trail may only occur in locations approved by the sale administrator. Additionally, great care must be taken not to damage the GEM kiosks in Payment Unit(s) 4 and 9, near the openings.

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.

5.4.2 - 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

6.2.3 - Recreational trail posting (2/10)

The Purchaser is responsible for posting and maintaining caution signs on GEM #13 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.

Sale Number	Year
54 - 008	20

Forest Management Unit Atlanta Management Unit	County Montmorency	Mapped By Natzke	Date 04/24/2020	Page 1	of 2
Cruised By Natzke					

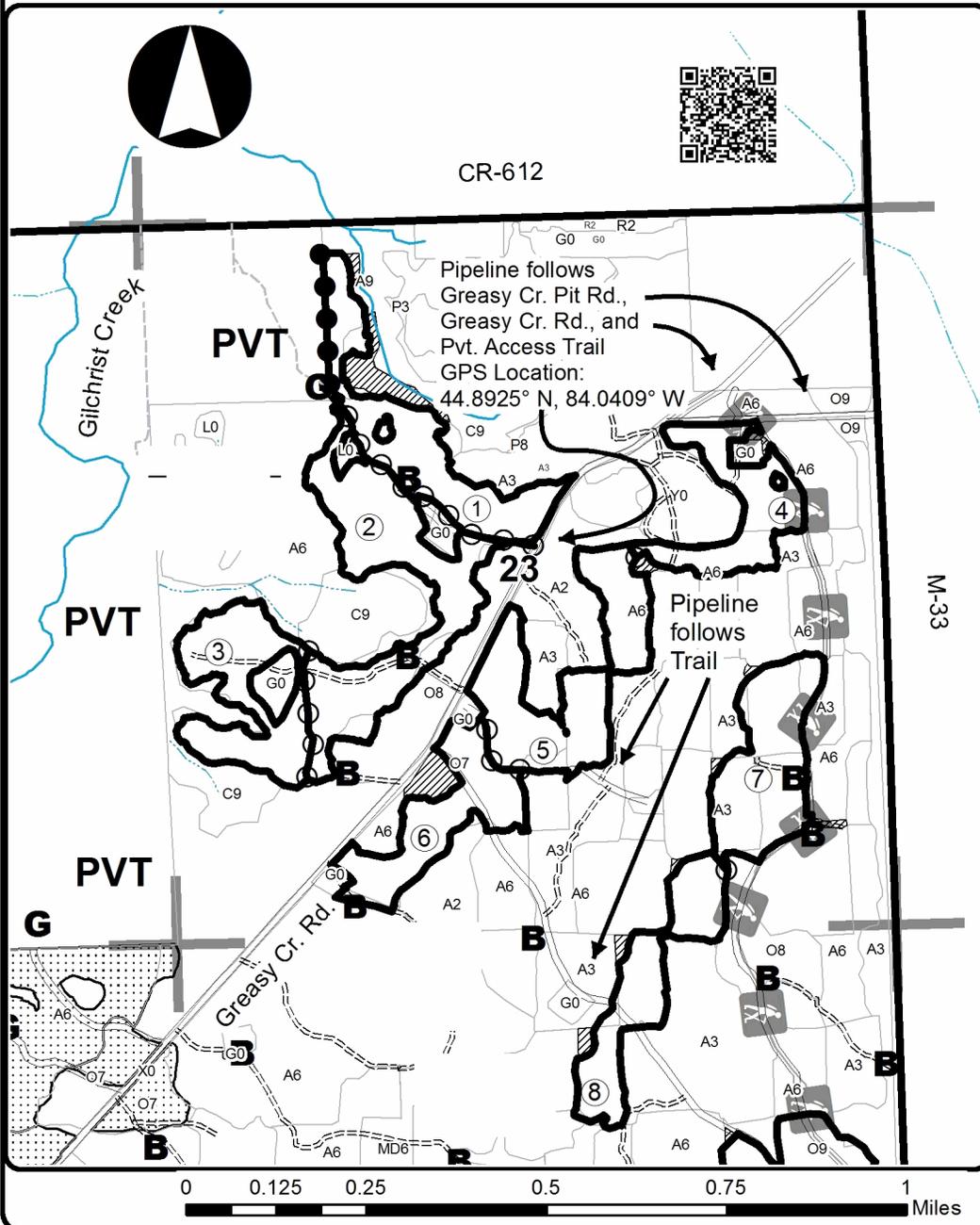
Township 29 N	Range 03 E	Section(s) and Subdivision(s) S. 23, S. 26: NE, W2SE	Scale 1:15,840
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Cover Type				Density			
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium		
B = Paper Birch	J = Jack Pine	O = Oak	UM = 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 = Treed 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					

Stairway 2 Grouse Heaven Aspen

PU	Acres	PU	Acres	PU	Acres
1	20.6	4	13.3	7	18.7
2	29.5	5	23.7	8	15.8
3	17.7	6	15.5		

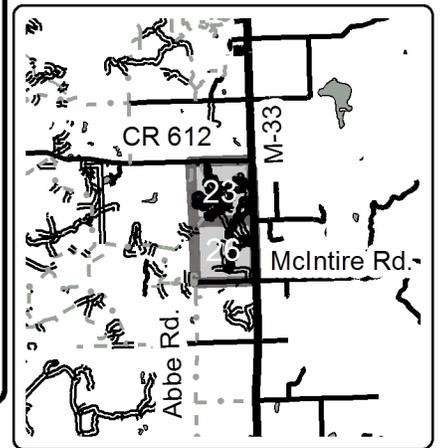
Compartment 19, 188.5 Acres



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Payment Unit
- ▨ Retention Area
- ▤ Nearby Timber Sales
- Stand Boundaries
- Unpaved Road
- === Closed Road
- - - Private Road
- Paved Road
- 🚶 GEM Trail
- G** Gate
- B** Berm
- Drain
- Intermittent Stream
- Perennial River
- Section Corners

Locator Map 1:200,000





TIMBER SALE MAP

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

Sale Number	Year
54 - 008	20
Date	Page of
04/24/2020	2 of 2

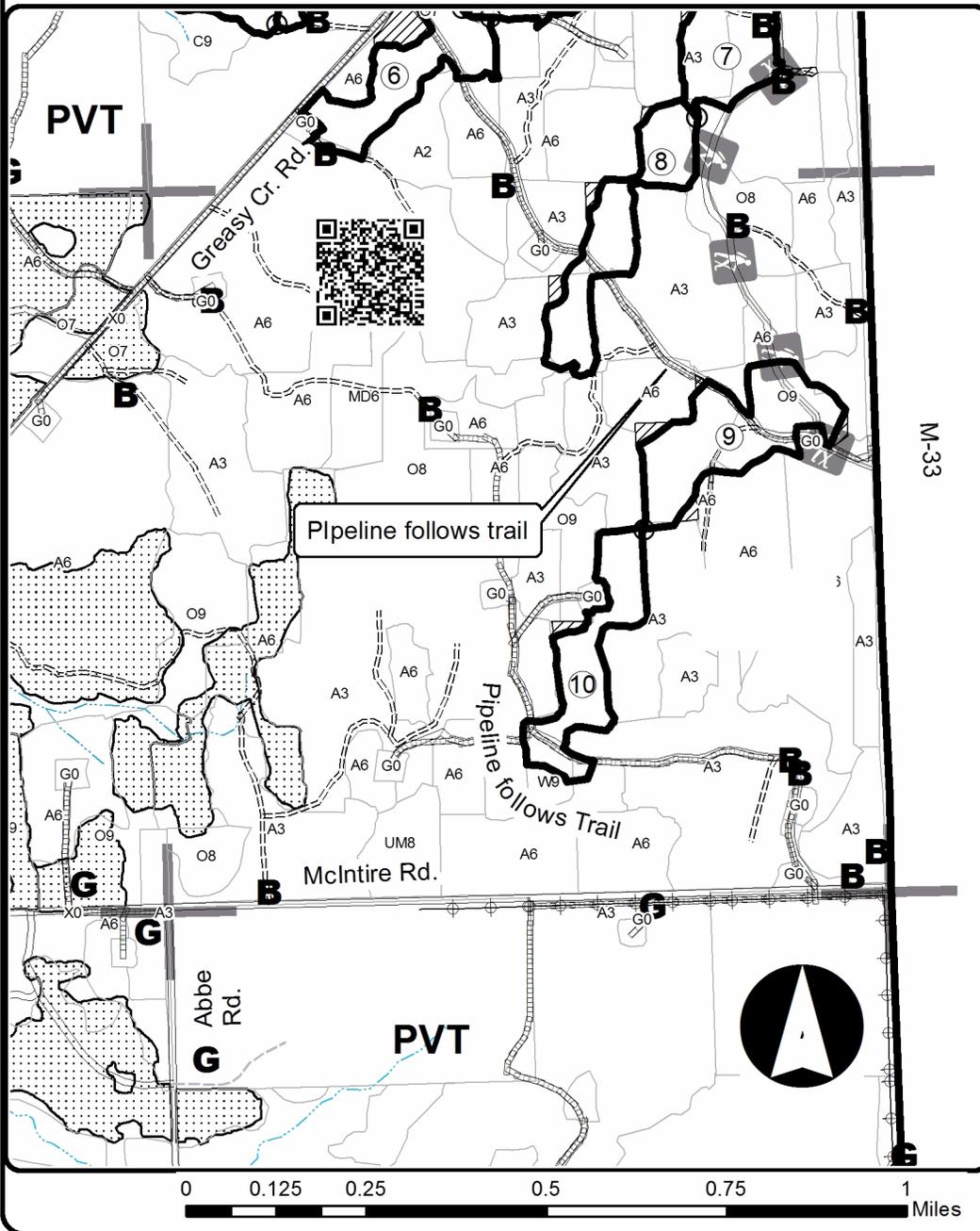
Forest Management Unit Atlanta Management Unit	County Montmorency	Mapped By Natzke	Date 04/24/2020	Page 2	of 2
Township 29 N	Range 03 E	Section(s) and Subdivision(s) S. 23, S. 26: NE, W2SE	Scale 1:15,840		

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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			

Stairway 2 Grouse Heaven Aspen

PU	Acres	PU	Acres
6	15.5	9	19.1
7	18.7	10	14.5
8	15.8		

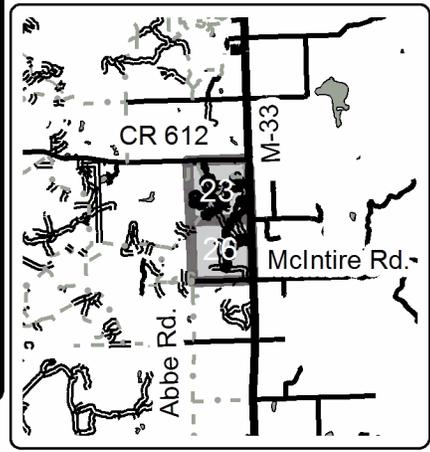
Compartment 19, 188.5 Acres



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Payment Unit
- Retention Area
- Nearby Timber Sales
- Stand Boundaries
- Unpaved Road
- Closed Road
- Private Road
- Paved Road
- GEM Trail
- Pipeline
- Powerline
- Gate
- Berm
- Drain
- Intermittent Stream
- Section Corners

Locator Map
1:200,000



TIMBER SALE INFORMATION

Silk Purse Aspen (54-009-20)
T29N, R03E, SEC. 35.
Montmorency County (Advertised Price \$37,229.90)

SALE NOTE: A narrow strip of trees stands between a powerline and M-33. Please contact PIE&G and MDOT at least 30 days before operating in that area.

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 T-Sale computer program and our traditional volume equations. 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	46.4 MBF	\$ 49.00 / MBF
Red Maple	3.5 MBF	\$ 59.00 / MBF
Red Oak	14.1 MBF	\$ 166.00 / MBF
Sugar Maple	42.5 MBF	\$ 286.00 / MBF
Pulpwood		
Mixed Aspen	721 Cords	\$ 15.60 / Cord
Mixed Hardwood	472 Cords	\$ 16.20 / Cord
Red Oak	52 Cords	\$ 19.85 / Cord
Red Pine	10 Cords	\$ 32.80 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.77 percent. There are an estimated 1,472 cords on this timber sale, plus or minus 188 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 \$1,861.00 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	23.9%
02	32.3%
03	43.8%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2023.

SALE STATISTICS

SALE VOLUMES

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
116,273	1,472	12.77%	1,284	1,660

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
124	105,046	1,330	13.89%	1,145	1,514
127	11,258	143	31.06%	98	187
TOTAL:	116,304	1,472		1,243	1,701

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
124	56.0	1	15.5
		2	21.0
		3	19.5
127	6.3	3	6.3
TOTAL:	62.3		62.3

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	12.6	MBF	15.5	\$8,914.45
	<i>B. T. Aspen</i>		12.0	<i>MBF</i>		
	<i>Quaking Aspen</i>		0.6	<i>MBF</i>		
	Red Maple		1.0	MBF		
	Red Oak		3.3	MBF		
	Sugar Maple		9.0	MBF		
	Mixed Aspen	Pulpwood	194	Cords		
	<i>B. T. Aspen</i>		117	<i>Cords</i>		
	<i>Quaking Aspen</i>		77	<i>Cords</i>		
	Mixed Hardwood		107	Cords		
	<i>Beech</i>	<i>Sawtimber</i>	0.9	<i>MBF</i>		
	<i>Basswood</i>	<i>Pulpwood</i>	1	<i>Cords</i>		
	<i>Beech</i>		13	<i>Cords</i>		
	<i>Black Cherry</i>		1	<i>Cords</i>		
	<i>Ironwood</i>		4	<i>Cords</i>		
	<i>Paper Birch</i>		11	<i>Cords</i>		
	<i>Red Maple</i>		7	<i>Cords</i>		
	<i>Sugar Maple</i>		68	<i>Cords</i>		
	Red Oak		13	Cords		
	Red Pine		3	Cords		
	<i>Red Pine</i>	<i>Sawtimber</i>	0.9	<i>MBF</i>		
<i>Red Pine</i>	<i>Pulpwood</i>	1	<i>Cords</i>			
2	Mixed Aspen	Sawtimber	16.9	MBF	21.0	\$12,032.90
	<i>B. T. Aspen</i>		16.2	<i>MBF</i>		
	<i>Quaking Aspen</i>		0.7	<i>MBF</i>		
	Red Maple		1.3	MBF		
	Red Oak		4.4	MBF		
	Sugar Maple		12.2	MBF		
	Mixed Aspen	Pulpwood	262	Cords		
	<i>B. T. Aspen</i>		158	<i>Cords</i>		
	<i>Quaking Aspen</i>		104	<i>Cords</i>		
	Mixed Hardwood		144	Cords		
	<i>Beech</i>	<i>Sawtimber</i>	1.2	<i>MBF</i>		
	<i>Basswood</i>	<i>Pulpwood</i>	2	<i>Cords</i>		
	<i>Beech</i>		18	<i>Cords</i>		
	<i>Black Cherry</i>		1	<i>Cords</i>		
	<i>Ironwood</i>		5	<i>Cords</i>		
	<i>Paper Birch</i>		14	<i>Cords</i>		
	<i>Red Maple</i>		9	<i>Cords</i>		
	<i>Sugar Maple</i>		93	<i>Cords</i>		
	Red Oak		18	Cords		
	Red Pine		4	Cords		
	<i>Red Pine</i>	<i>Sawtimber</i>	1.2	<i>MBF</i>		
<i>Red Pine</i>	<i>Pulpwood</i>	2	<i>Cords</i>			
3	Mixed Aspen	Sawtimber	16.9	MBF	25.8	\$16,282.55
	<i>B. T. Aspen</i>		16.2	<i>MBF</i>		
	<i>Quaking Aspen</i>		0.7	<i>MBF</i>		
	Red Maple		1.2	MBF		
	Red Oak		6.4	MBF		
	Sugar Maple		21.3	MBF		
	Mixed Aspen	Pulpwood	265	Cords		
	<i>B. T. Aspen</i>		168	<i>Cords</i>		
	<i>Quaking Aspen</i>		97	<i>Cords</i>		
	Mixed Hardwood		221	Cords		
	<i>Beech</i>	<i>Sawtimber</i>	3.8	<i>MBF</i>		
	<i>Paper Birch</i>		0.7	<i>MBF</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
3 con't	<i>Basswood</i>	<i>Pulpwood</i>	3	<i>Cords</i>		
	<i>Beech</i>		44	<i>Cords</i>		
	<i>Black Cherry</i>		1	<i>Cords</i>		
	<i>Ironwood</i>		6	<i>Cords</i>		
	<i>Paper Birch</i>		15	<i>Cords</i>		
	<i>Red Maple</i>		9	<i>Cords</i>		
	<i>Sugar Maple</i>		134	<i>Cords</i>		
	Red Oak		21	Cords		
	Red Pine		3	Cords		
	<i>Red Pine</i>	<i>Sawtimber</i>	1.1	<i>MBF</i>		
	<i>Red Pine</i>	<i>Pulpwood</i>	1	<i>Cords</i>		
TOTAL:			106.5	MBF		
TOTAL:			1,255	Cords		

Sale Specific Conditions & Requirements

Sale Name: Silk Purse Aspen

Sale Number: 54-009-20 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, along with a trail. 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 2 and 3, which is unpainted and identified by the trail. Red painted trees are not Included Timber and shall not be cut, unless painted with double red rings or the word "cut". 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) 1-3, cut all trees that are two (2) inches or more at DBH, except do not cut trees painted in green above and below stump height.

2.1.15 - Hazard trees near roads (7/13)

Cut and remove all standing dead trees within 100 feet of the cleared portion of M-33 South. These trees must be scattered back into the Sale Area.

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.

4.1.12 - No new roads (1/12)

No new roads will be permitted in any Payment Unit. All operations are limited to existing roads. Skid trails only will be allowed.

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.

4.3 - Public Right-of-Way

4.3.1 - MDOT R-O-W (11/14)

The Michigan Department of Transportation (MDOT) must be contacted prior to harvesting timber within the MDOT right-of-way. Due to the nature of the topography, it may be necessary to have a flagger stop northbound traffic on M-33 to allow trucks and equipment safe access onto M-33.

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.

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

The Purchaser is responsible for contacting the gas company, Riverside Energy Michigan (231-995-4000), 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 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. This conference is required before operations end in each payment unit.

5.1.6 - Utility R.O.W. (4/19)

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the power line R.O.W. for operations. Contact Presque Isle Electric and Gas at (1-800-423-6634) 30 days before beginning operations.

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

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 1-3, 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)

All timber harvesting operations in any Payment Unit must be completed before significant deciduous sprouting occurs to minimize damage to the new regeneration. Any post-harvest operations, such as chipping, forwarding, or skidding must be completed within 30 days of severing stems. If it is anticipated that these activities will be delayed, then tops, roundwood, or drags shall be carried to one central location or left in place in the harvest unit. 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

5.2.4.1 - Dead and down creation, marked trees (10/13)

Within Payment Unit(s) 1-3, to improve horizontal cover habitat for snowshoe hare, grouse, deer, and other species, the Purchaser is to push over trees indicated by an orange-painted X. 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 impossible or impractical to push these trees over, they may be severed or partially severed at the stump. Whenever possible the stem of the tree should rest above ground level.

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.

5.4.6 - Wet area protection (5/10)

No harvesting operations, including skidding and felling, are to take place within the vernal pond area. When harvesting occurs, there should be no disturbance to the vernal pond depression. All equipment, trees and tops should be kept out of this area. This 100 foot zone is identified by red-painted trees. Do not operate, fell trees into, or disturb the area behind the red-painted boundary. Care must be taken by the Purchaser to identify and avoid operating in these areas of the timber sale.

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.



TIMBER SALE MAP

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

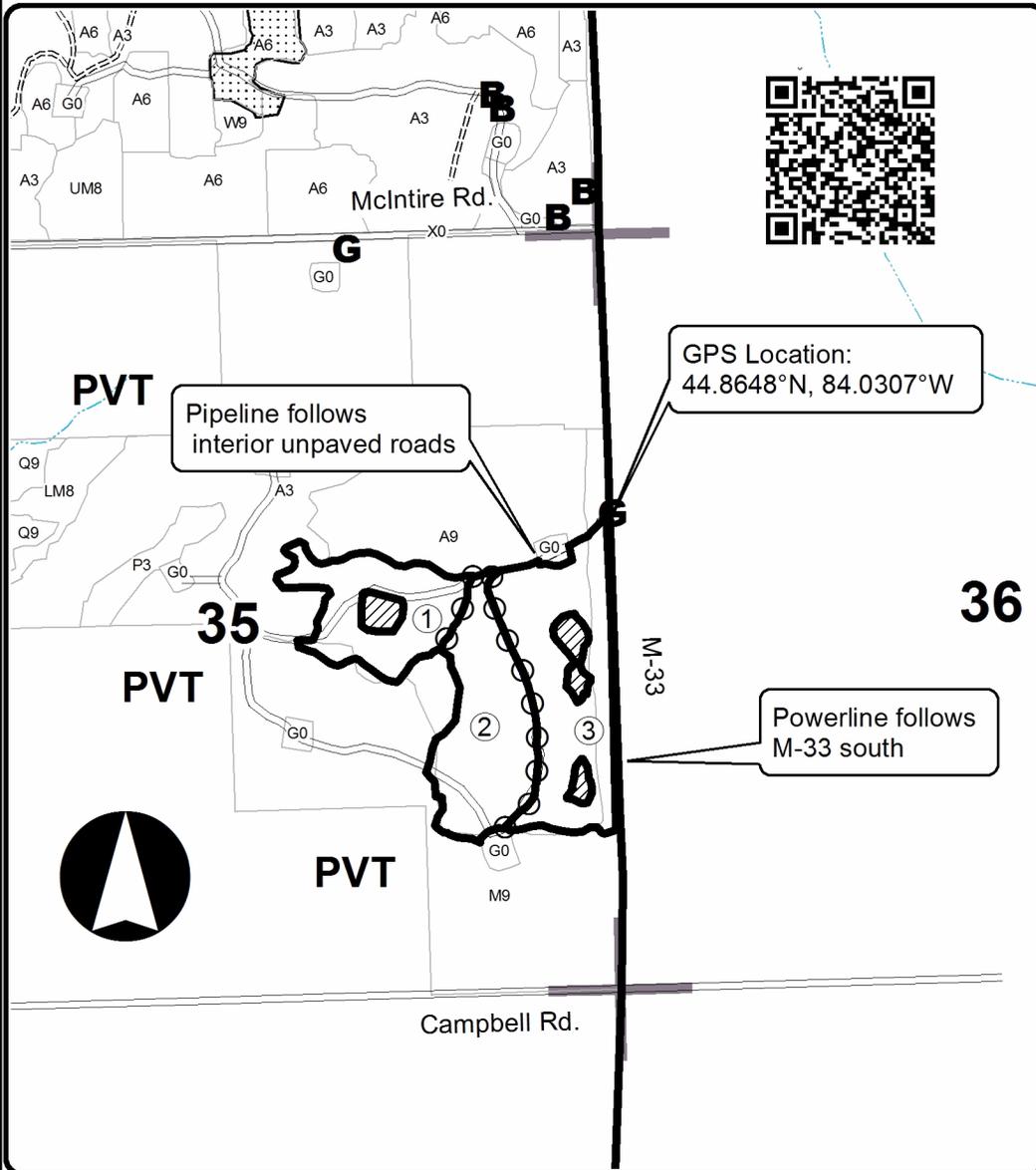
Forest Management Unit Atlanta Management Unit	County Montmorency	Mapped By Natzke	Date 05/06/2020	Page 1	of 1
Township 29 N	Range 03 E	Section(s) and Subdivision(s) S. 35: S2NE, N2SE, SESE	Scale 1:15,840		

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 = Treed 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			

Silk Purse Aspen

Compartment 19, 62.3 Acres

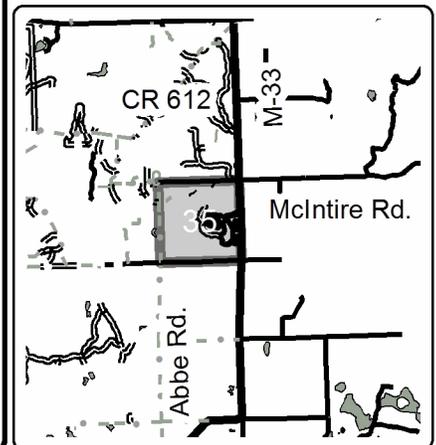
PU	Acres
1	15.5
2	21.0
3	25.8



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Payent Unit
- Retention Area
- Nearby Timber Sales
- Stand Boundaries
- Unpaved Road
- Closed Road
- Paved Road
- Intermittent Stream
- G** Gate
- B** Berm
- Section Corners

Locator Map
1:150,000



TIMBER SALE INFORMATION

Sow's Ear Aspen (54-010-20)
T29N, R03E, SEC. 27.
Montmorency County (Advertised Price \$13,912.70)

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 T-Sale computer program and our traditional volume equations. 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	29.7 MBF	\$ 41.00 / MBF
Pulpwood		
Mixed Aspen	870 Cords	\$ 13.20 / Cord
Mixed Hardwood	70 Cords	\$ 13.70 / Cord
Red Oak	15 Cords	\$ 16.80 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 23.13 percent. There are an estimated 1,014 cords on this timber sale, plus or minus 235 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 \$696.00 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	42.0%
02	22.1%
03	7.0%
04	16.0%
05	12.9%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2023.

SALE STATISTICS

SALE VOLUMES

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
80,133	1,014	23.13%	780	1,249

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			RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
4	80,130	1,014	23.13%	780	1,249
TOTAL:	80,130	1,014		780	1,249

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
4	56.3	1	23.5
		2	12.5
		3	3.9
		4	9.1
		5	7.3
TOTAL:	56.3		56.3

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	12.3	MBF	23.5	\$5,821.40
	<i>B. T. Aspen</i>		4.1	<i>MBF</i>		
	<i>Quaking Aspen</i>		8.2	<i>MBF</i>		
	Mixed Aspen	Pulpwood	363	Cords		
	<i>B. T. Aspen</i>		94	<i>Cords</i>		
	<i>Quaking Aspen</i>		269	<i>Cords</i>		
	Mixed Hardwood		31	Cords		
	<i>Black Cherry</i>	<i>Sawtimber</i>	0.3	<i>MBF</i>		
	<i>Red Maple</i>		2.4	<i>MBF</i>		
	<i>Black Cherry</i>	<i>Pulpwood</i>	6	<i>Cords</i>		
	<i>Paper Birch</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		17	<i>Cords</i>		
	Red Oak		6	Cords		
	<i>Red Oak</i>	<i>Sawtimber</i>	1.4	<i>MBF</i>		
<i>Red Oak</i>	<i>Pulpwood</i>	3	<i>Cords</i>			
2	Mixed Aspen	Sawtimber	6.6	MBF	12.5	\$3,077.20
	<i>B. T. Aspen</i>		2.2	<i>MBF</i>		
	<i>Quaking Aspen</i>		4.4	<i>MBF</i>		
	Mixed Aspen	Pulpwood	193	Cords		
	<i>B. T. Aspen</i>		50	<i>Cords</i>		
	<i>Quaking Aspen</i>		143	<i>Cords</i>		
	Mixed Hardwood		14	Cords		
	<i>Black Cherry</i>	<i>Sawtimber</i>	0.2	<i>MBF</i>		
	<i>Red Maple</i>		1.2	<i>MBF</i>		
	<i>Black Cherry</i>	<i>Pulpwood</i>	3	<i>Cords</i>		
	<i>Red Maple</i>		9	<i>Cords</i>		
	Red Oak		4	Cords		
	<i>Red Oak</i>	<i>Sawtimber</i>	0.8	<i>MBF</i>		
	<i>Red Oak</i>	<i>Pulpwood</i>	2	<i>Cords</i>		
3	Mixed Aspen	Sawtimber	2.1	MBF	3.9	\$976.60
	<i>B. T. Aspen</i>		0.7	<i>MBF</i>		
	<i>Quaking Aspen</i>		1.4	<i>MBF</i>		
	Mixed Aspen	Pulpwood	61	Cords		
	<i>B. T. Aspen</i>		16	<i>Cords</i>		
	<i>Quaking Aspen</i>		45	<i>Cords</i>		
	Mixed Hardwood		5	Cords		
	<i>Black Cherry</i>	<i>Sawtimber</i>	0.1	<i>MBF</i>		
	<i>Red Maple</i>		0.4	<i>MBF</i>		
	<i>Black Cherry</i>	<i>Pulpwood</i>	1	<i>Cords</i>		
	<i>Red Maple</i>		3	<i>Cords</i>		
	Red Oak		1	Cords		
	<i>Red Oak</i>	<i>Sawtimber</i>	0.2	<i>MBF</i>		
	<i>Red Oak</i>	<i>Pulpwood</i>	1	<i>Cords</i>		
4	Mixed Aspen	Sawtimber	4.8	MBF	9.1	\$2,229.10
	<i>B. T. Aspen</i>		1.6	<i>MBF</i>		
	<i>Quaking Aspen</i>		3.2	<i>MBF</i>		
	Mixed Aspen	Pulpwood	140	Cords		
	<i>B. T. Aspen</i>		36	<i>Cords</i>		
	<i>Quaking Aspen</i>		104	<i>Cords</i>		
	Mixed Hardwood		11	Cords		
	<i>Black Cherry</i>	<i>Sawtimber</i>	0.1	<i>MBF</i>		
	<i>Red Maple</i>		0.9	<i>MBF</i>		
	<i>Black Cherry</i>	<i>Pulpwood</i>	2	<i>Cords</i>		
	<i>Red Maple</i>		7	<i>Cords</i>		
	Red Oak		2	Cords		
	<i>Red Oak</i>	<i>Sawtimber</i>	0.6	<i>MBF</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
4 con't	<i>Red Oak</i>	<i>Pulpwood</i>	1	<i>Cords</i>		
5	Mixed Aspen	Sawtimber	3.9	MBF	7.3	\$1,794.70
	<i>B. T. Aspen</i>		1.3	<i>MBF</i>		
	<i>Quaking Aspen</i>		2.6	<i>MBF</i>		
	Mixed Aspen	Pulpwood	113	Cords		
	<i>B. T. Aspen</i>		29	<i>Cords</i>		
	<i>Quaking Aspen</i>		84	<i>Cords</i>		
	Mixed Hardwood		8	Cords		
	<i>Black Cherry</i>	<i>Sawtimber</i>	0.1	<i>MBF</i>		
	<i>Red Maple</i>		0.7	<i>MBF</i>		
	<i>Black Cherry</i>	<i>Pulpwood</i>	2	<i>Cords</i>		
	<i>Red Maple</i>		5	<i>Cords</i>		
	Red Oak		2	Cords		
	<i>Red Oak</i>	<i>Sawtimber</i>	0.5	<i>MBF</i>		
	<i>Red Oak</i>	<i>Pulpwood</i>	1	<i>Cords</i>		
TOTAL:			29.7	MBF		
TOTAL:			954	Cords		

Sale Specific Conditions & Requirements

Sale Name: Sow's Ear Aspen

Sale Number: 54-010-20 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, 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. 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) 1-5, cut all trees that are two (2) inches or more at DBH, except do not cut oak marked with green paint above and below stump height. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

2.1.15 - Hazard trees near roads (7/13)

Cut and remove all standing dead trees within 100 feet of the cleared portion of Greasy Creek Road. These trees must be scattered back into the Sale Area.

3 - Payments

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. 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. Fill material shall consist only of crushed rock or cobbles.

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.

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

The Purchaser is responsible for contacting the Lambda Energy Resources, LLC at 1-281-920-9595 (Houston, TX headquarters) 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 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) 1, unless changed by written agreement, cutting, skidding, and hauling are not permitted during the period of March 15 to July 15. This restriction is because the Payment Unit contains many wet areas at risk of compaction and rutting during this period. Operations are limited to periods of dry and frozen ground conditions.

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

Within Payment Unit(s) 4 & 5, 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(s) 1-3, 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)

All timber harvesting operations in any Payment Unit must be completed before significant deciduous sprouting occurs to minimize damage to the new regeneration. Any post-harvest operations, such as chipping, forwarding, or skidding must be completed within 30 days of severing stems. If it is anticipated that these activities will be delayed, then tops, roundwood, or drags shall be carried to one central location or left in place in the harvest unit. 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

5.2.4.1 - Dead and down creation, marked trees (10/13)

To improve horizontal cover habitat for snowshoe hare, grouse, deer, and other species, the Purchaser is to push over trees indicated by an orange-painted X. 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 impossible or impractical to push these trees over, they may be severed or partially severed at the stump. Whenever possible the stem of the tree should rest above ground level.

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.

5.4.5 - Soil caution (11/04)

Within Payment Unit(s) 1, the Purchaser must operate carefully around wet areas to avoid rutting, compaction and damage to soils. Operating under dry or frozen soil conditions is recommended but not 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.



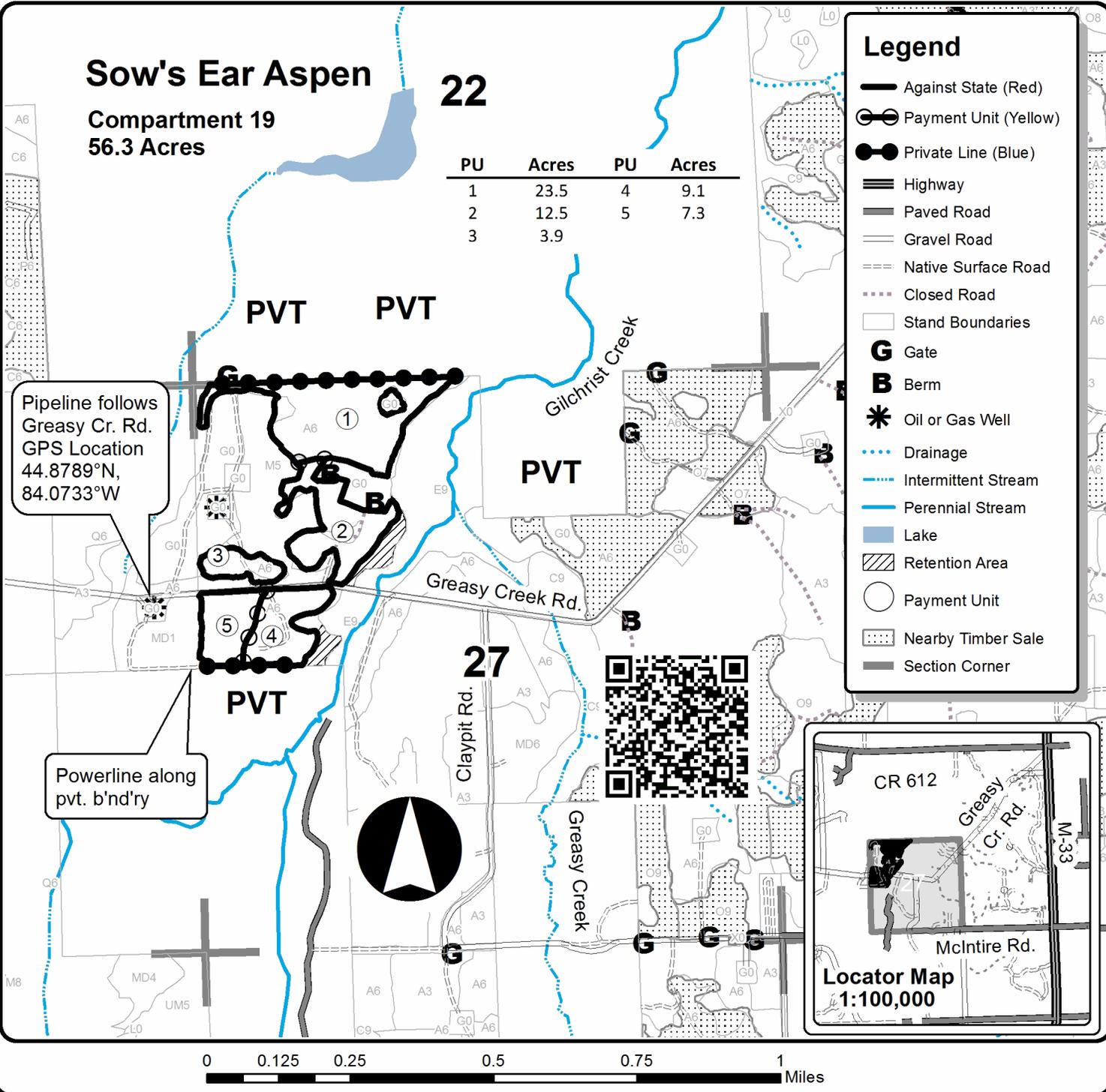
TIMBER SALE MAP

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

Sale Number	Year
54 - 010	20

Forest Management Unit Atlanta Management Unit	County Montmorency	Mapped By Natzke	Date 02/24/2021	Page 1	of 1
Township 29N	Range 03E	Section(s) and Subdivision(s) Sec. 27, NW	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 = Treed 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					



Aspen Under Scrutiny (54-007-20)

T29N, R03E, SEC. 26; T29N, R03E, SEC. 27; T29N, R03E, SEC. 34; T29N, R03E,

In response to the notice of sale to be held 10:00 a.m. (local time) on April 27, 2021, 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	7.6 MBF	\$ 42.00/MBF	\$ _____
Mixed Aspen	38.9 MBF	\$ 41.00/MBF	\$ _____
Red Maple	15.0 MBF	\$ 50.00/MBF	\$ _____
Red Oak	181.1 MBF	\$ 141.00/MBF	\$ _____
Sugar Maple	6.7 MBF	\$ 242.00/MBF	\$ _____
White Pine	6.9 MBF	\$ 49.00/MBF	\$ _____
Pulpwood			
Balsam Fir	42 Cords	\$ 13.60/Cord	\$ _____
Basswood	25 Cords	\$ 5.35/Cord	\$ _____
Mixed Aspen	1,866 Cords	\$ 13.20/Cord	\$ _____
Mixed Hardwood	403 Cords	\$ 13.70/Cord	\$ _____
Mixed Oak	392 Cords	\$ 16.80/Cord	\$ _____
Mixed Spruce	3 Cords	\$ 6.50/Cord	\$ _____
White Pine	6 Cords	\$ 14.40/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 9.46 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



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.

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

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

Stairway 2 Grouse Heaven Aspen (54-008-20)
T29N, R03E, SEC. 23; T29N, R03E, SEC. 26; Montmorency COUNTY

In response to the notice of sale to be held 10:00 a.m. (local time) on April 27, 2021, 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	19.9 MBF	\$ 41.00/MBF	\$ _____
Northern Pin Oak	9.8 MBF	\$ 72.00/MBF	\$ _____
Red Maple	11.9 MBF	\$ 50.00/MBF	\$ _____
Red Oak	137.3 MBF	\$ 141.00/MBF	\$ _____
White Oak	1.2 MBF	\$ 69.00/MBF	\$ _____
Pulpwood			
Balsam Fir	45 Cords	\$ 13.60/Cord	\$ _____
Mixed Aspen	1,722 Cords	\$ 13.20/Cord	\$ _____
Mixed Hardwood	379 Cords	\$ 13.70/Cord	\$ _____
Mixed Oak	693 Cords	\$ 16.80/Cord	\$ _____
White Spruce	36 Cords	\$ 6.50/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 9.30 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

Silk Purse Aspen (54-009-20)
T29N, R03E, SEC. 35; Montmorency COUNTY

In response to the notice of sale to be held 10:00 a.m. (local time) on April 27, 2021, 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	46.4 MBF	\$ 49.00/MBF	\$ _____
Red Maple	3.5 MBF	\$ 59.00/MBF	\$ _____
Red Oak	14.1 MBF	\$ 166.00/MBF	\$ _____
Sugar Maple	42.5 MBF	\$ 286.00/MBF	\$ _____
Pulpwood			
Mixed Aspen	721 Cords	\$ 15.60/Cord	\$ _____
Mixed Hardwood	472 Cords	\$ 16.20/Cord	\$ _____
Red Oak	52 Cords	\$ 19.85/Cord	\$ _____
Red Pine	10 Cords	\$ 32.80/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 12.77 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



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.

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

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

Sow's Ear Aspen (54-010-20)
T29N, R03E, SEC. 27; Montmorency COUNTY

In response to the notice of sale to be held 10:00 a.m. (local time) on April 27, 2021, 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	29.7 MBF	\$ 41.00/MBF	\$ _____
Pulpwood			
Mixed Aspen	870 Cords	\$ 13.20/Cord	\$ _____
Mixed Hardwood	70 Cords	\$ 13.70/Cord	\$ _____
Red Oak	15 Cords	\$ 16.80/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 23.13 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



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.

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

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