



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7406**

**SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on April 16, 2024.**

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

**CONTACT NAME: Matt Foster**

**PHONE NUMBER: (989) 619-5921**

**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:

Hubert Rd South Mix (54-003-23) / T32N, R04E, SEC. 18, NW, W1/2NE, N1/2SW.  
T32N, R04E, SEC. 7, W1/2NE, SWSW, N1/2SE, SESE.

Montmorency County, Advertised Price \$209,913.20, 197.9 Acres, Aspen, Hardwood.

SALE NOTE: 5.2.3.5 - Oak wilt restriction - Within Payment Units 1-4, 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 15 and clearing a tree-length buffer along uncut oak cover before April 15. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

## TIMBER SALE INFORMATION

Hubert Rd South Mix (54-003-23)

T32N, R04E, SEC. 18; T32N, R04E, SEC. 7.

Montmorency County (Advertised Price \$209,913.20)

SALE NOTE: 5.2.3.5 - Oak wilt restriction - Within Payment Units 1-4, 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 15 and clearing a tree-length buffer along uncut oak cover before April 15. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

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

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Basswood	14.8 MBF	\$ 67.00 / MBF
Black/Red (Hybrid) Oak	12.8 MBF	\$ 125.00 / MBF
Mixed Aspen	257.8 MBF	\$ 113.00 / MBF
N. White Cedar	12.7 MBF	\$ 40.00 / MBF
Paper Birch	15.2 MBF	\$ 42.00 / MBF
Red Maple	57.5 MBF	\$ 79.00 / MBF
Red Oak	193.2 MBF	\$ 190.00 / MBF
Red Pine	20.1 MBF	\$ 140.00 / MBF
Sugar Maple	37.8 MBF	\$ 520.00 / MBF
White Pine	16.9 MBF	\$ 128.00 / MBF
Pulpwood		
Balsam Fir	161 Cords	\$ 20.55 / Cord
Basswood	88 Cords	\$ 16.90 / Cord
Jack Pine	33 Cords	\$ 11.80 / Cord
Mixed Aspen	1,984 Cords	\$ 25.60 / Cord
Mixed Hardwood	1,276 Cords	\$ 24.85 / Cord
Mixed Oak	79 Cords	\$ 30.90 / Cord
Mixed Spruce	17 Cords	\$ 9.80 / Cord
N. White Cedar	115 Cords	\$ 9.75 / Cord
Paper Birch	88 Cords	\$ 16.45 / Cord
Red Oak	516 Cords	\$ 30.90 / Cord
Red Pine	18 Cords	\$ 40.45 / Cord
White Pine	58 Cords	\$ 28.05 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 8.03 percent. There are an estimated 5,904 cords on this timber sale, plus or minus 474 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 \$10,495.66 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	10.0%
02	11.1%
03	14.1%
04	11.0%
05	8.3%
06	6.8%
07	8.1%
08	15.3%
09	14.0%
10	1.3%

4. If no cutting takes place, the 10% down payment will not be refunded.

5. Operations on the contract issued will terminate on 06/30/2027.

### **SALE STATISTICS**

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

### **SALE VOLUMES**

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

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
466,443	5,904	8.03%	5,430	6,379

### **VDU VOLUMES**

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

	VOLUME			RANGE IN CORDS	
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
40	190,259	2,408	13.31%	2,088	2,729
45	39,871	505	28.89%	359	650
47	33,014	418	26.27%	308	528
82	46,302	586	23.15%	450	722
88	123,999	1,570	20.67%	1,245	1,894
157	26,437	335	16.29%	280	389
163	6,562	83	152.09%	0	209
<b>TOTAL:</b>	<b>466,443</b>	<b>5,904</b>		<b>4,730</b>	<b>7,122</b>

**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
40	86.1	1	22.4
		2	22.9
		3	15.6
		4	24.6
		10	0.6
45	14.9	6	14.2
		7	0.7
47	11.5	7	11.5
82	18.5	5	18.5
88	51.7	8	26.9
		9	24.8
157	12.4	2	1.4
		3	11.0
163	2.8	10	2.8
<b>TOTAL:</b>	<b>197.9</b>		<b>197.9</b>

**DESCRIPTION OF TIMBER BY PU (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
1	Black/Red (Hybrid	Sawtimber	3.3	MBF	22.4	\$21,039.80	
	Mixed Aspen		22.5	MBF			
	<i>B. T. Aspen</i>		22.5	<i>MBF</i>			
	Red Maple		0.9	MBF			
	Red Oak		23.8	MBF			
	Red Pine		2.3	MBF			
	Balsam Fir		1	Cords			
	Mixed Aspen		266	Cords			
	<i>B. T. Aspen</i>		261	<i>Cords</i>			
	<i>Quaking Aspen</i>		5	<i>Cords</i>			
	Mixed Hardwood		108	Cords			
	<i>Red Maple</i>		108	<i>Cords</i>			
	Mixed Oak	21	Cords				
	<i>White Oak</i>	<i>Sawtimber</i>	1.8	<i>MBF</i>			
	<i>/Red (Hybrid) Oak</i>		<i>Pulpwood</i>	16			<i>Cords</i>
	<i>White Oak</i>			1			<i>Cords</i>
	Red Oak			96			Cords
	Red Pine		1	Cords			
2	Black/Red (Hybrid		Sawtimber	3.4	MBF	24.3	\$23,385.75
	Mixed Aspen	23.4		MBF			
	<i>B. T. Aspen</i>	23.4		<i>MBF</i>			
	Red Maple	1.0		MBF			
	Red Oak	31.3		MBF			
	Red Pine	2.4		MBF			
	Balsam Fir	1		Cords			
	Mixed Aspen	279		Cords			
	<i>B. T. Aspen</i>	272		<i>Cords</i>			
	<i>Quaking Aspen</i>	7		<i>Cords</i>			
	Mixed Hardwood	115		Cords			
	<i>Red Maple</i>	115		<i>Cords</i>			
	Mixed Oak	21	Cords				
	<i>White Oak</i>	<i>Sawtimber</i>	1.9	<i>MBF</i>			
	<i>/Red (Hybrid) Oak</i>		<i>Pulpwood</i>	16	<i>Cords</i>		
	<i>White Oak</i>			1	<i>Cords</i>		
	Red Oak			105	Cords		
	Red Pine		1	Cords			
3	Black/Red (Hybrid		Sawtimber	2.3	MBF	26.6	\$29,659.00
	Mixed Aspen	19.4		MBF			
	<i>B. T. Aspen</i>	19.4		<i>MBF</i>			
	Red Maple	1.2		MBF			
	Red Oak	71.3		MBF			
	Red Pine	2.0		MBF			
	Balsam Fir	2		Cords			
	Mixed Aspen	236		Cords			
	<i>B. T. Aspen</i>	223		<i>Cords</i>			
	<i>Quaking Aspen</i>	13		<i>Cords</i>			
	Mixed Hardwood	111		Cords			
	<i>Red Maple</i>	111		<i>Cords</i>			
	Mixed Oak	15	Cords				
	<i>White Oak</i>	<i>Sawtimber</i>	1.3	<i>MBF</i>			
	<i>/Red (Hybrid) Oak</i>		<i>Pulpwood</i>	11	<i>Cords</i>		
	<i>White Oak</i>			1	<i>Cords</i>		
	Red Oak			124	Cords		
	Red Pine		3	Cords			
4	Black/Red (Hybrid		Sawtimber	3.7	MBF	24.6	\$23,107.85

**DESCRIPTION OF TIMBER BY PU (PU), CON'T**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
4 con't	Mixed Aspen	Sawtimber	24.7	MBF		
	<i>B. T. Aspen</i>		24.7	<i>MBF</i>		
	Red Maple		0.9	MBF		
	Red Oak		26.1	MBF		
	Red Pine		2.5	MBF		
	Balsam Fir	Pulpwood	1	Cords		
	Mixed Aspen		293	Cords		
	<i>B. T. Aspen</i>		287	<i>Cords</i>		
	<i>Quaking Aspen</i>		6	<i>Cords</i>		
	Mixed Hardwood		119	Cords		
	<i>Red Maple</i>		119	<i>Cords</i>		
	Mixed Oak		23	Cords		
	<i>White Oak</i>	Sawtimber	2.1	<i>MBF</i>		
	<i>Red (Hybrid) Oak</i>		17	<i>Cords</i>		
	<i>White Oak</i>		2	<i>Cords</i>		
	Red Oak		105	Cords		
	Red Pine	Pulpwood	1	Cords		
5	Mixed Aspen	Sawtimber	33.0	MBF	18.5	\$17,449.10
	<i>B. T. Aspen</i>		4.7	<i>MBF</i>		
	<i>Quaking Aspen</i>		28.3	<i>MBF</i>		
	N. White Cedar		1.3	MBF		
	Paper Birch		1.3	MBF		
	Red Maple		7.3	MBF		
	Red Oak		11.9	MBF		
	White Pine		1.8	MBF		
	Balsam Fir	Pulpwood	59	Cords		
	Mixed Aspen		163	Cords		
	<i>B. T. Aspen</i>		73	<i>Cords</i>		
	<i>Quaking Aspen</i>		90	<i>Cords</i>		
	Mixed Hardwood		115	Cords		
	<i>Red Maple</i>		115	<i>Cords</i>		
	N. White Cedar		52	Cords		
	Paper Birch		11	Cords		
	Red Oak		35	Cords		
	White Pine		19	Cords		
6	Mixed Aspen	Sawtimber	15.7	MBF	14.2	\$14,361.90
	<i>B. T. Aspen</i>		6.7	<i>MBF</i>		
	<i>Quaking Aspen</i>		9.0	<i>MBF</i>		
	N. White Cedar		1.4	MBF		
	Paper Birch		1.4	MBF		
	Red Maple		17.7	MBF		
	Red Oak		5.5	MBF		
	Red Pine		5.3	MBF		
	White Pine		8.3	MBF		
	Balsam Fir	Pulpwood	30	Cords		
	Mixed Aspen		94	Cords		
	<i>B. T. Aspen</i>		30	<i>Cords</i>		
	<i>Quaking Aspen</i>		64	<i>Cords</i>		
	Mixed Hardwood		133	Cords		
	<i>Red Maple</i>		133	<i>Cords</i>		
	Mixed Spruce		2	Cords		
	<i>White Spruce</i>		2	<i>Cords</i>		
	N. White Cedar		19	Cords		
	Paper Birch		51	Cords		
	Red Oak		12	Cords		

**DESCRIPTION OF TIMBER BY PU (PU), CON'T**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
6 con't	Red Pine	Pulpwood	5	Cords		
	White Pine		10	Cords		
7	Mixed Aspen	Sawtimber	66.1	MBF	12.2	\$17,028.00
	<i>B. T. Aspen</i>		63.5	<i>MBF</i>		
	<i>Quaking Aspen</i>		2.6	<i>MBF</i>		
	N. White Cedar		0.1	MBF		
	Paper Birch		3.6	MBF		
	Red Maple		2.3	MBF		
	Red Oak		11.5	MBF		
	Red Pine		2.8	MBF		
	White Pine		0.4	MBF		
	Balsam Fir	Pulpwood	6	Cords		
	Mixed Aspen		163	Cords		
	<i>B. T. Aspen</i>		159	<i>Cords</i>		
	<i>Quaking Aspen</i>		4	<i>Cords</i>		
	Mixed Hardwood		43	Cords		
	<i>Red Maple</i>		43	<i>Cords</i>		
	Mixed Spruce		5	Cords		
	<i>White Spruce</i>	<i>Sawtimber</i> <i>Pulpwood</i>	1.9	<i>MBF</i>		
	<i>White Spruce</i>		1	<i>Cords</i>		
	N. White Cedar		1	Cords		
	Paper Birch		4	Cords		
	Red Oak		19	Cords		
	Red Pine		1	Cords		
	White Pine		17	Cords		
8	Basswood	Sawtimber	7.7	MBF	26.9	\$31,808.70
	Mixed Aspen		27.2	MBF		
	<i>B. T. Aspen</i>		16.0	<i>MBF</i>		
	<i>Quaking Aspen</i>		11.2	<i>MBF</i>		
	N. White Cedar		5.2	MBF		
	Paper Birch		4.6	MBF		
	Red Maple		13.6	MBF		
	Red Oak		5.8	MBF		
	Sugar Maple		19.7	MBF		
	Balsam Fir	Pulpwood	32	Cords		
	Basswood		46	Cords		
	Mixed Aspen		249	Cords		
	<i>B. T. Aspen</i>		99	<i>Cords</i>		
	<i>Balsam Poplar</i>		4	<i>Cords</i>		
	<i>Quaking Aspen</i>		146	<i>Cords</i>		
	Mixed Hardwood		275	Cords		
	<i>American Elm</i>		2	<i>Cords</i>		
	<i>Beech</i>		5	<i>Cords</i>		
	<i>Red Maple</i>		121	<i>Cords</i>		
	<i>Sugar Maple</i>		147	<i>Cords</i>		
	N. White Cedar		22	Cords		
	Paper Birch		11	Cords		
	Red Oak		9	Cords		
	Red Pine		2	Cords		
9	Basswood	Sawtimber	7.1	MBF	24.8	\$29,304.30
	Mixed Aspen		25.2	MBF		
	<i>B. T. Aspen</i>		14.8	<i>MBF</i>		
	<i>Quaking Aspen</i>		10.4	<i>MBF</i>		
	N. White Cedar		4.7	MBF		
	Paper Birch		4.3	MBF		

**DESCRIPTION OF TIMBER BY PU (PU), CON'T**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
9 con't	Red Maple	Sawtimber	12.6	MBF		
	Red Oak	Pulpwood	5.4	MBF		
	Sugar Maple		18.1	MBF		
	Balsam Fir		29	Cords		
	Basswood		42	Cords		
	Mixed Aspen		230	Cords		
	B. T. Aspen		92	Cords		
	Balsam Poplar		3	Cords		
	Quaking Aspen		135	Cords		
	Mixed Hardwood		254	Cords		
	American Elm		2	Cords		
	Beech		5	Cords		
	Red Maple		112	Cords		
	Sugar Maple		135	Cords		
	N. White Cedar		21	Cords		
	Paper Birch		11	Cords		
	Red Oak		8	Cords		
	Red Pine		1	Cords		
10	Black/Red (Hybrid	Sawtimber	0.1	MBF	3.4	\$2,799.70
	Mixed Aspen	0.6	MBF			
	B. T. Aspen	0.6	MBF			
	Red Oak	0.6	MBF			
	Red Pine	2.8	MBF			
	White Pine	6.4	MBF			
	Jack Pine	33	Cords			
	Mixed Aspen	11	Cords			
	B. T. Aspen	11	Cords			
	Mixed Hardwood	3	Cords			
	Red Maple	3	Cords			
	Mixed Spruce	10	Cords			
	Black Spruce	10	Cords			
	Red Oak	3	Cords			
	Red Pine	3	Cords			
	White Pine	12	Cords			
TOTAL:			638.8	MBF		
TOTAL:			4,434	Cords		



## **Sale Specific Conditions & Requirements**

**Sale Name: Hubert Rd South Mix**

**Sale Number: 54-003-23 Seq#: 1**

### **1 - Sale Area**

#### **1.2 - Boundaries**

##### **1.2.1 - Painted boundaries (9/19)**

The sale boundary and Payment Unit boundaries are marked and identified by red, blue, and yellow paint, along with state forest roads and cover type changes. Exterior sale boundary lines against state are marked with red paint, with the exception of the boundaries in Payment Units 3, 4, & 5 adjacent to the non-forested openings (G0), which are unpainted and identified by the cover type change. No harvesting may occur within G0 non-forested stands. Exterior sale boundary lines against private are marked with blue paint. Interior Payment Unit boundaries are marked with yellow paint, with the exception of the boundaries along Ribble Lake Road and another state road along the northern boundary of Payment Unit 10, which are unpainted and identified by the road (see Timber Sale Map). The painted boundary line trees are not Included Timber and are to be protected. Yellow painted trees are only to be cut when all surrounding Payment Units have been paid. The Ribble Lake Road and the state forest road segments designating an interior Payment Unit boundary are only to be crossed when all surrounding Payment Units have been paid.

### **2 - Timber Specifications**

#### **2.1 - Included Timber**

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

Within Payment Unit(s) 1-10, cut all trees that are two (2) inches or more at DBH, with the following exceptions:

- Within Payment Units 1-4, do not cut white pine.
- Within Payment Units 8 & 9, do not cut white pine or hemlock.
- Within Payment Units 5-7, do not cut any white pine marked with purple paint or hemlock.

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

### **3 - Payments**

#### **3.3 - Pre-measured Sales**

##### **3.3.4 - Dividing payment units (7/14)**

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

#### **3.4 - Damaged Timber**

##### **3.4.1 - Damaged timber (7/16)**

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

### **4 - Transportation**

#### **4.1 - Construction**

##### **4.1.3 - Slash and earthen piles (8/04)**

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

##### **4.1.6 - Road construction (1/09)**

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

A new road through a narrow lowland conifer stand in Payment Unit 5 will need to be created and protected according to specification 5.2.17, if access through private is not possible. The improved roads and constructed roads must not be unreasonably widened beyond 15 feet. Narrow access into some Payment Units will require widening and blading on lengths of state forest roads. Additional access timber must be piled separately for scaling by the Sale Administrator.

#### 4.1.7 - Road closure (10/11)

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

### 4.2 - Maintenance

#### 4.2.5 - Two wheel drive condition (2/04)

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

### 4.4 - Access

#### 4.4.1 - Private property access (3/11)

Permission for access across private land is the responsibility of the Purchaser. This applies to Payment Units 5-7 where skidding and trucking access will be difficult through lowland conifer stands. Should the Purchaser desire to cross private land, a copy of the written permission from the private landowner may be required by the DNR. A copy of the written permission from the private landowner must be given to the Unit Manager within 30 days of the bid opening and prior to the beginning of operations.

## 5 - Operations

### 5.1 - Notification

#### 5.1.1 - Pre-sale conference (10/16)

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

#### 5.1.4 - Post-sale conference (10/16)

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

### 5.2 - Conduct of Operations

#### 5.2.1 - Slash

##### 5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in maintained wildlife openings which are 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) 10, it is recommended, but not required that cutting and skidding be conducted during July 15 to December 1 with snow-off and unfrozen ground conditions. This restriction is to increase scarification and conifer regeneration.

#### 5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Units 1-4, unless changed by written agreement, cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. Operations may be allowed if specific steps are taken to prevent damaging uncut oak during the high risk period. Those steps may include completing all road brushing before April 15th and clearing a tree-length buffer along uncut oak cover before April 15th. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

#### 5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in Payment Units must be completed within 30 days of severing/cutting stem(s) to minimize damage to deciduous regeneration. Any post harvest operations, such as chipping, must be completed before sprouting of regeneration occurs. If it is anticipated that chipping will be delayed, then tops shall be carried to one central location or left unchipped. The Unit Manager or his/her representative may cease such operations if sprouting occurs before the operation is complete.

### 5.2.4 - Dead and Down Creation

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

To improve horizontal cover habitat for snowshoe hare, grouse, deer, and other species, the Purchaser is to push over all orange painted trees in Payment Units 1-4 & 7. These trees should be tipped over with the root ball still attached so the base of the tree is suspended off the ground. The crown of the fallen tree should be at or near ground level after it is pushed over. If it is impractical to push the trees over, they may be cut or partially cut and pushed over.

#### 5.2.17 - Timber Mats and Interlocking Composite Mats (5/23)

Some skid trails will require extra protection through lowland conifer crossings such as that afforded by timber mats, interlocking composite mats, corduroy, or another approved system. Approximately 200-300 feet of skid trails (total length for 3 locations) will need extra protection at locations shown on the Timber Sale Map. Timber cut within the Sale Administrator approved new skid trail (15 feet access width) locations may be used as corduroy at no cost to the Purchaser. If available, mats may be borrowed from the DNR. A Timber Sale Contract Amendment will be used to document the Purchaser's use of the DNR's mats. Contact the Sale Administrator regarding availability and pick-up. Timber mats are available from various field offices. Composite mats are only available from the Grayling field office and the Marquette ICC. The Purchaser is responsible for picking up and hauling the mats to and from the site. The composite mats will require DNR staff onsite for installation and removal. Contact the Sale Administrator to schedule at least 30 days before desired install/removal date. All mats must be cleaned prior to drop off. This may include, but is not limited to, power washing and brushing to remove mud and debris. A charge of \$700.00 per timber mat and \$2,000.00 per composite mat will be assessed for all damaged or non-returned mats. Damage for the crane/timber mats is defined as three or more broken cants. Damage for the composite mats is defined as cracked or broken mats.

#### 5.2.31 - Landing locations (9/13)

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

#### 5.2.32 - Decking/landing restoration (9/13)

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

#### 5.2.38 - 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.

## 5.8 - 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**

54 - 003

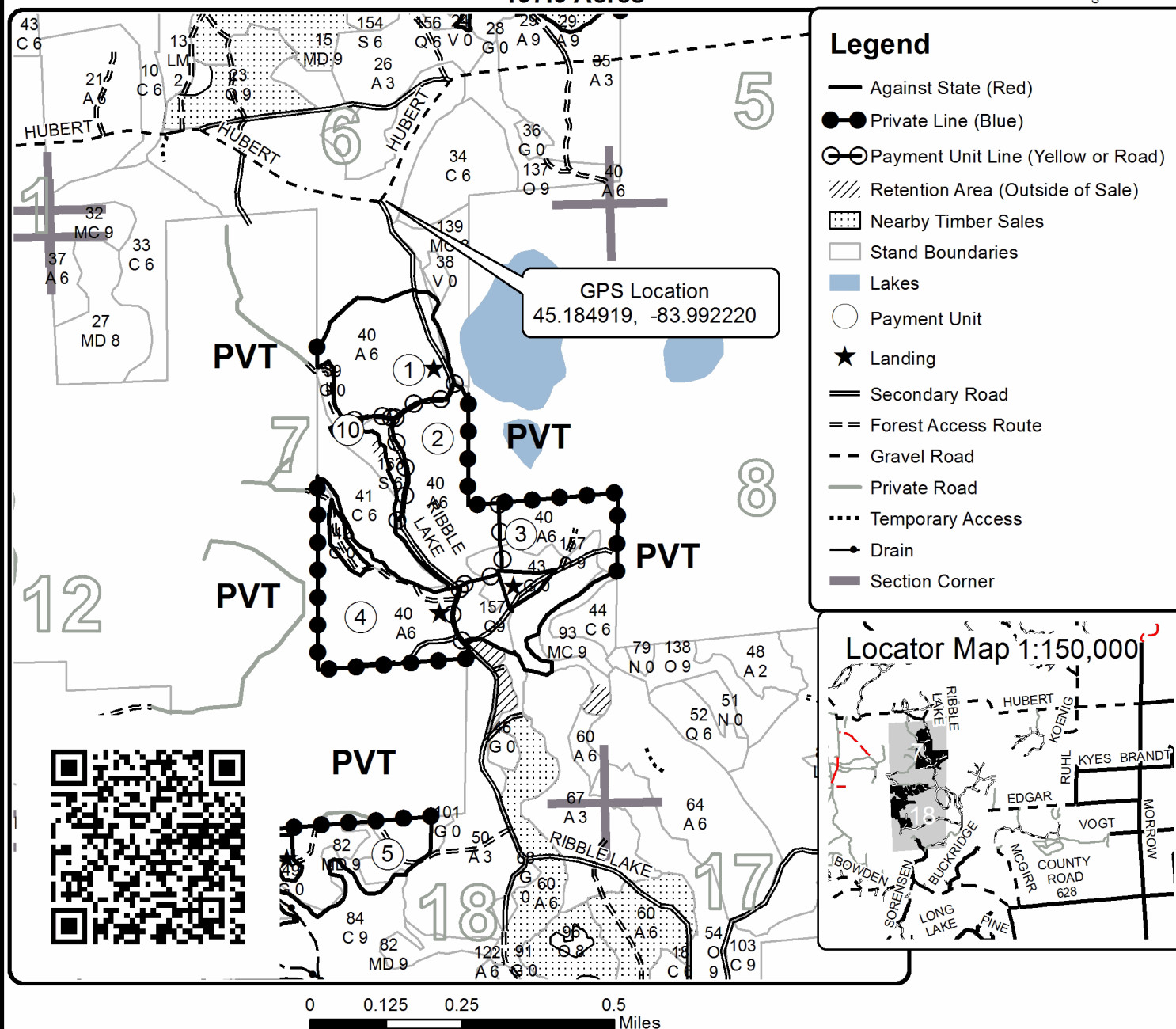
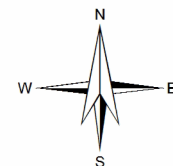
2023

*This information provided by authority of Part 525, 1994 PA 451, as amended.*Forest Management Unit  
Atlanta Management UnitCounty  
MontmorencyMapped By Coy  
Cruised By CoyDate  
04/14/2023Page  
1 of  
2Township  
32NRange  
04ESection(s) and Subdivision(s)  
7- W1/2NE,SWSW,N1/2SE,SESE 18- NW,W1/2NE,N1/2SW

1:15,840

**Cover Type**A = Aspen  
B = Paper Birch  
C = Cedar  
D = Treed Bog  
E = Swamp Hardwoods  
F = Spruce/Fir  
G = Grass  
H = HemlockJ = Jack Pine  
K = Rock  
L = Lowland Brush  
LM = Lowland Mix Forest  
M = Maple, Beech, Birch  
MC = Mixed Conifer  
MD = Mixed Deciduous  
N = MarshO = Oak  
P = Lowland Poplar  
Q = Mixed Swamp Conifer  
R = Red Pine  
S = Black Spruce  
T = TamarackU = Upland Brush  
UM = Upland Mix Forest  
V = Bog or Marsh  
W = White Pine  
X = Non Stocked  
Y = Sand  
Z = Water**Density**0 = Non Stocked  
1 = Seedling Sapling Poor  
2 = Seedling Sapling Medium  
3 = Seedling Sapling Well  
4 = Pole Timber Poor5 = Pole Timber Medium  
6 = Pole Timber Well  
7 = Saw Timber Poor  
8 = Saw Timber Medium  
9 = Saw Timber Well**PU Acres**

1	22.4	6	14.2
2	24.3	7	12.2
3	26.6	8	26.9
4	24.6	9	24.8
5	18.5	10	3.4

**Hubert Rd South Mix**  
**Compartment 76**  
**197.9 Acres**



## TIMBER SALE MAP

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

Sale Number

54 - 003

Year

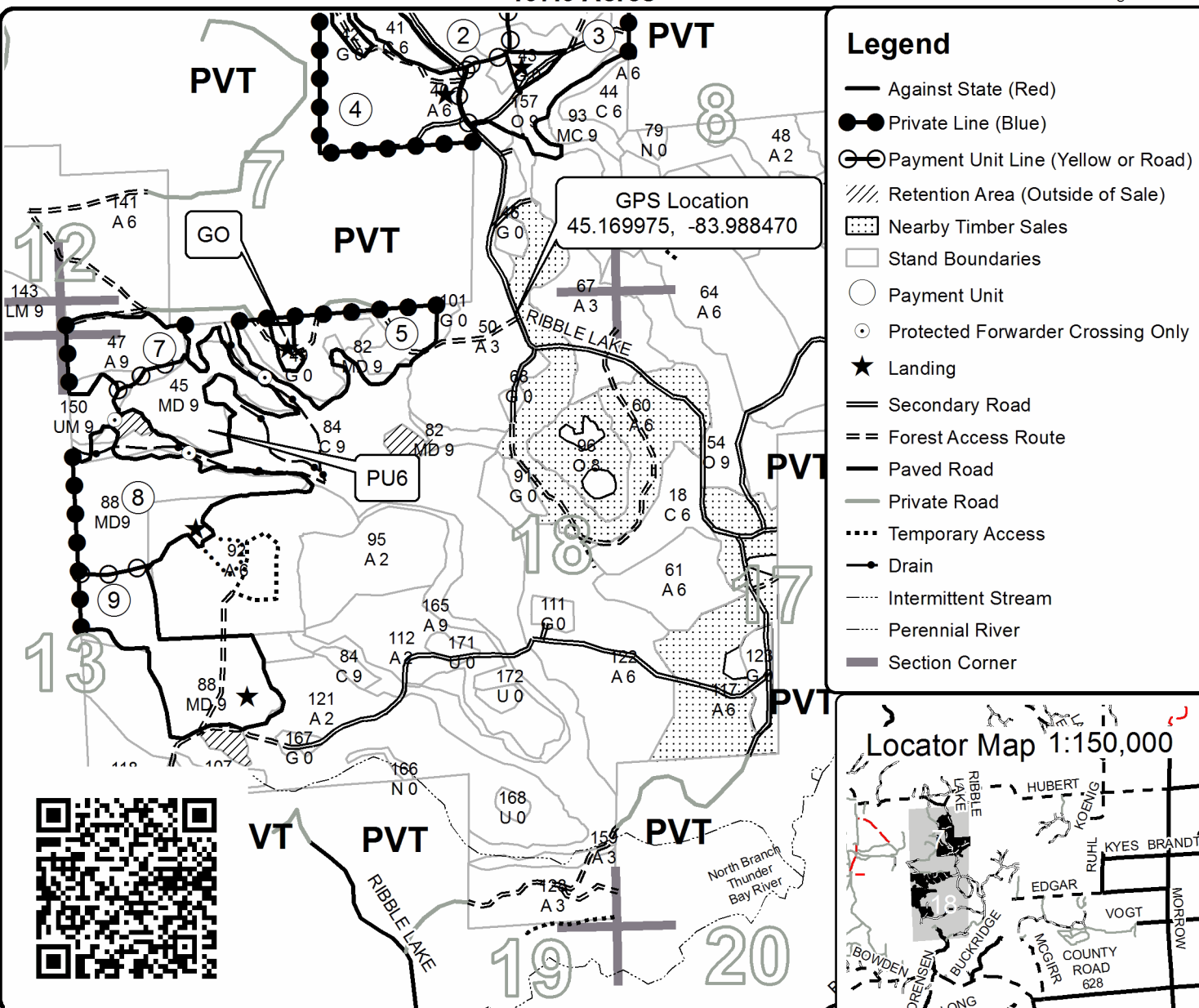
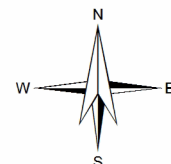
2023

Forest Management Unit  
Atlanta Management UnitCounty  
MontmorencyMapped By Coy  
Cruised By CoyDate  
04/14/2023Page  
2 of  
2Township  
32NRange  
04ESection(s) and Subdivision(s)  
7- W1/2NE,SWSW,N1/2SE,SESE 18- NW,W1/2NE,N1/2SW

1:15,840

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

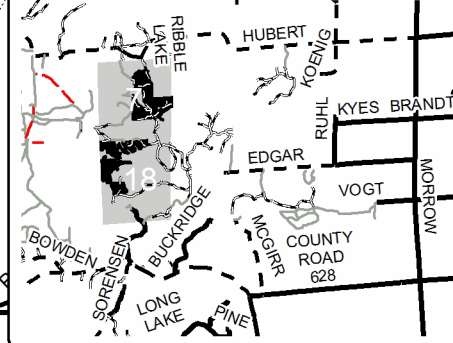
PU	Acres	PU	Acres
1	22.4	6	14.2
2	24.3	7	12.2
3	26.6	8	26.9
4	24.6	9	24.8
5	18.5	10	3.4

Hubert Rd South Mix  
Compartment 76  
197.9 Acres

## Legend

- Against State (Red)
- Private Line (Blue)
- Payment Unit Line (Yellow or Road)
- /// Retention Area (Outside of Sale)
- ▤ Nearby Timber Sales
- Stand Boundaries
- Payment Unit
- Protected Forwarder Crossing Only
- ★ Landing
- == Secondary Road
- == Forest Access Route
- Paved Road
- Private Road
- .... Temporary Access
- Drain
- Intermittent Stream
- Perennial River
- Section Corner

## Locator Map 1:150,000



0 0.125 0.25 0.5 Miles