



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7550**

**SCHEDULED SALE DATE AND TIME: 3:00 p.m. (local time) on January 7, 2025.**

**LOCATION: NAUBINWAY DNR FIELD OFFICE, PO BOX 287, W11569 US2, NAUBINWAY, MI 49762.**

**CONTACT NAME: Josh Brinks**

**PHONE NUMBER: (906) 203-0210**

**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, SAULT STE MARIE MANAGEMENT UNIT, for certain timber on the following described lands:

Hemlock Bottom (45-124-25) / T43N, R06W, SEC. 33, S1/2NE, E1/2SW, N1/2SE, SWSE.  
T43N, R06W, SEC. 34, SWNW, NWSW.

Mackinac County, Advertised Price \$24,797.70, 76.1 Acres, Hardwood, White Pine.

## TIMBER SALE INFORMATION

Hemlock Bottom (45-124-25)  
T43N, R06W, SEC. 33; T43N, R06W, SEC. 34.  
Mackinac County (Advertised Price \$24,797.70)

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 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>
Pulpwood		
Balsam Fir	6 Cords	\$ 10.50 / Cord
Black Spruce	91 Cords	\$ 10.80 / Cord
Hemlock	1,243 Cords	\$ 3.60 / Cord
Mixed Hardwood	456 Cords	\$ 12.45 / Cord
N. White Cedar	60 Cords	\$ 3.30 / Cord
Paper Birch	82 Cords	\$ 4.80 / Cord
White Pine	786 Cords	\$ 16.55 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 14.76 percent. There are an estimated 2,724 cords on this timber sale, plus or minus 402 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

### **BOND AND PAYMENT SCHEDULE:**

1. A bond in the amount of \$2,479.77 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	49.3%
02	50.7%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2027.

### **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
215,185	2,724	14.76%	2,322	3,126

**VDU VOLUMES**

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

VDU	VOLUME		PERCENT ERROR	RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
18	215,185	2,724	14.77%	2,322	3,126
<b>TOTAL:</b>	<b>215,185</b>	<b>2,724</b>		<b>2,322</b>	<b>3,126</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
18	76.1	1	37.5
		2	38.6
<b>TOTAL:</b>	<b>76.1</b>		<b>76.1</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Balsam Fir	Pulpwood	3	Cords	37.5	\$12,221.40
	Black Spruce		45	Cords		
	Hemlock		613	Cords		
	Mixed Hardwood		225	Cords		
	<i>Red Maple</i>		219	<i>Cords</i>		
	<i>Yellow Birch</i>		6	<i>Cords</i>		
	N. White Cedar		30	Cords		
	Paper Birch		40	Cords		
	White Pine		387	Cords		
	2		Balsam Fir	Pulpwood		
Black Spruce		46	Cords			
Hemlock		630	Cords			
Mixed Hardwood		231	Cords			
<i>Red Maple</i>		225	<i>Cords</i>			
<i>Yellow Birch</i>		6	<i>Cords</i>			
N. White Cedar		30	Cords			
Paper Birch		42	Cords			
White Pine		399	Cords			
<b>TOTAL:</b>			2,724		Cords	

## Sale Specific Conditions & Requirements

Sale Name: Hemlock Bottom

Sale Number: 45-124-25 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 and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. 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

##### 2.1.7 - Leave tree marked unit(s) (6/14)

Within Payment Unit(s) 1 and 2, cut all deciduous trees that are two (2) inches or more at DBH and all conifers that are four (4) inches or more at DBH, except do not cut trees marked with green or blue paint above and below stump height. In addition, do not cut oak in Payment Units 1 and 2.

##### 2.1.11 - Description of timber note (2/04)

Note that mixed hardwood includes red maple and yellow birch.

### 3 - Payments

#### 3.3 - Pre-measured Sales

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

Payment Unit(s) 1 and 2 may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

#### 3.4 - Damaged Timber

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

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to hemlock seedlings and saplings.

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

### 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 (3/23)

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 contract prices or average prices, if not on the contract.

##### 4.1.6 - Road construction (4/24)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental

and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 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

#### 4.2.3 - Road maintenance (8/13)

The following road maintenance is required: Within 60 days of completion of hauling, or if no hauling occurs for 60 days, the road must be maintained and graded. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. Damages will be assessed if grading/repair does not occur.

#### 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

### 5.2 - Conduct of Operations

#### 5.2.1 - Slash

##### 5.2.1.8 - Slash height (12/08)

No slash or treetops may exceed 24 inches in height.

##### 5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation, the Sale Area shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. Stumps shall be cut low to the ground.

#### 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 and 2, unless changed by written agreement, cutting, skidding, and hauling are limited to the period April 1 to November 30. This restriction is because scarification is needed for hemlock regeneration.

#### 5.2.4 - Dead and Down Creation

##### 5.2.4.3 - Dead and down creation, dead trees (6/07)

Except as provided for in General Condition and Requirement 5.2.2, no dead trees, standing or down, are to be cut, skidded, or processed.

#### 5.2.18 - Equipment requirements (1/09)

Harvesting and skidding equipment must use tracks if not already equipped. This is to achieve scarification throughout the Sale Area.

#### 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.

#### 5.2.37 - No decking areas (12/08)

No decking is allowed in any non-forested wetlands within or adjacent to the Sale Area.

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

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

### 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

#### 6.2.1 - Road posting (10/20)

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

**TIMBER SALE MAP**

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

Sale Number <b>45-124-25</b>	Date <b>09/30/2024</b>	
Scale <b>1:15,840</b>	Page <b>1</b>	Of <b>1</b>

Forest Management Unit <b>Sault Ste Marie Mgt Unit</b>	County <b>Mackinac</b>	Mapped By: Plato Cruised By: Soo Unit Staff
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Township <b>43N</b>	Range <b>06W</b>	Section(s) and Subdivision(s) <b>Sec. 33 S1/2NE,E1/2SW,N1/2SE,SWSE; Sec. 34 SWNW,NWSW;</b>
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Cover Type			
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous	Z = Water	
H = Hemlock	N = Marsh		

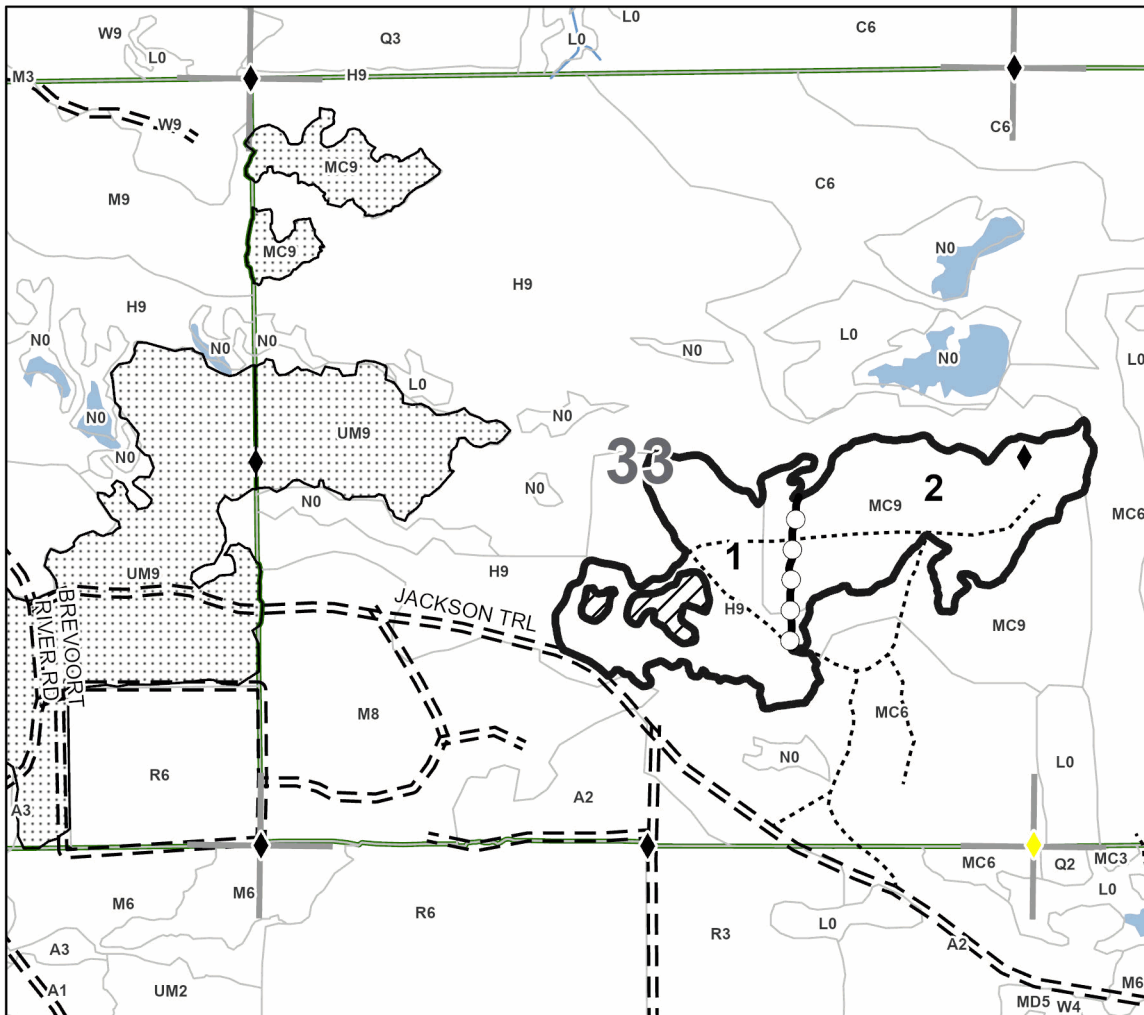
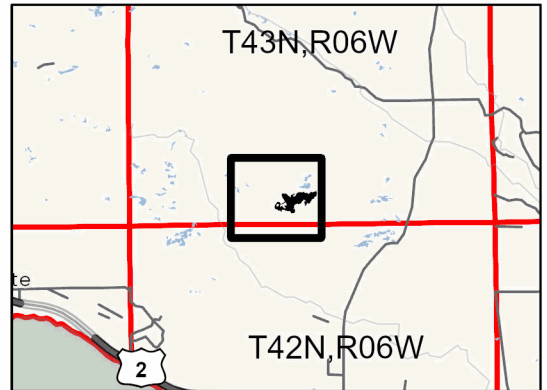
Density	
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

PU #	Acres
1	37.5
2	38.7

**Hemlock Bottom**

**76.1 Acres**

**Locator Map 1:200,000**



**Legend**

- Sale Boundary (Red)
- Payment Unit (Yellow)
- Forest Access Route
- Administrative Access Only
- Field Grade Corner
- Survey Grade Corner
- Nearby Timber Sales
- Section Corners
- Retention Areas

Use QR Code to open Map in App

