



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7582**

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on March 13, 2025.**

LOCATION: **BARAGA MGMT UNIT, 427 US 41 NORTH, BARAGA, MI 49908.**

CONTACT NAME: Brad Carlson

PHONE NUMBER: (906) 353-6651

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

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

Airplane Pine (12-051-25) / T42N, R32W, SEC. 23, SESE.

T42N, R32W, SEC. 24, SWSW.

T42N, R32W, SEC. 26, SESW, SWSE.

T42N, R32W, SEC. 27, SE.

T42N, R32W, SEC. 35, N1/2NW, NWNE.

Iron County, Advertised Price \$69,393.60, 70.3 Acres, Aspen, Red Pine.

SALE NOTE: Payment Unit 2 is best accessed through private from the north. If private access can not be obtained, contact the sale administrator for alternative routes.

Access may be through private land.

## TIMBER SALE INFORMATION

### Airplane Pine (12-051-25)

T42N, R32W, SEC. 23; T42N, R32W, SEC. 24; T42N, R32W, SEC. 26; T42N, R32W, SEC. 27; T42N, R32W, SEC. 35.  
Iron County (Advertised Price \$69,393.60)

SALE NOTE: Payment Unit 2 is best accessed through private from the north. If private access can not be obtained, contact the sale administrator for alternative routes.

Access may be through private land.

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

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Pulpwood		
Balsam Fir	19 Cords	\$ 4.80 / Cord
Jack Pine	143 Cords	\$ 22.60 / Cord
Mixed Aspen	659 Cords	\$ 18.80 / Cord
Mixed Hardwood	69 Cords	\$ 13.80 / Cord
Red Pine	647 Cords	\$ 81.45 / Cord
White Spruce	3 Cords	\$ 10.35 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 20.91 percent. There are an estimated 1,540 cords on this timber sale, plus or minus 322 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 \$7,000.00 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	19.1%
02	38.9%
03	14.6%
04	27.4%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2028.

### **SALE STATISTICS**

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

### **SALE VOLUMES**

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

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
121,640	1,540	20.91%	1,218	1,862

**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
1	58,162	736	38.45%	453	1,019
2	26,204	332	22.38%	257	406
3	15,689	199	55.07%	89	308
4	21,585	273	42.86%	156	390
<b>TOTAL:</b>	<b>121,640</b>	<b>1,540</b>		<b>956</b>	<b>2,124</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
1	15.6	1	15.6
2	25.6	2	25.6
3	16.4	3	16.4
4	12.7	4	12.7
<b>TOTAL:</b>	<b>70.3</b>		<b>70.3</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Balsam Fir	Pulpwood	19	Cords	15.6	\$13,244.60
	Mixed Aspen		649	Cords		
	<i>B. T. Aspen</i>		91	<i>Cords</i>		
	<i>Quaking Aspen</i>		558	<i>Cords</i>		
	Mixed Hardwood		69	Cords		
	<i>Paper Birch</i>		6	<i>Cords</i>		
	<i>Red Maple</i>		58	<i>Cords</i>		
	<i>Sugar Maple</i>		5	<i>Cords</i>		
2	Red Pine	Pulpwood	332	Cords	25.6	\$27,041.40
3	Jack Pine	Pulpwood	102	Cords	16.4	\$10,124.40
	Red Pine		96	Cords		
4	Jack Pine	Pulpwood	41	Cords	12.7	\$18,983.20
	Mixed Aspen		10	Cords		
	<i>Quaking Aspen</i>		10	<i>Cords</i>		
	Red Pine		219	Cords		
	White Spruce		3	Cords		
<b>TOTAL:</b>			1,540	Cords		

## Sale Specific Conditions & Requirements

Sale Name: Airplane Pine

Sale Number: 12-051-25 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 blue, red, and yellow paint. Exterior sale boundary lines against private are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

### 2 - Timber Specifications

#### 2.1 - Included Timber

##### 2.1.1 - Clearcut Unit(s) with Unmerchantable Trees (6/14)

Within Payment Unit(s) 1, cut all trees that are two (2) inches or more at DBH, except do not cut cedar, hemlock, pine, or oak. Only cut balsam fir and spruce that contain three or more pulpwood sticks.

##### 2.1.3 - Cut Tree Marked Unit(s) (12/08)

Within Payment Unit(s) 2-4, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within Payment Units 3 and 4, cut all merchantable balsam fir, spruce, jack pine, aspen, and maple.

#### 2.2 - Utilization

##### 2.2.4 - Skidding Length (12/24)

Skidding of unlimbed tops or lengths over 17 feet is not permissible within Payment Units 2, 3, and 4, unless approved by the Unit Manager or his/her representative.

### 3 - Payments

#### 3.4 - Damaged Timber

##### 3.4.1 - Damaged Timber (12/24)

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

### 4 - Transportation

#### 4.1 - Construction

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

Road construction or shaping of 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 spread out and not left in the roadway. Stumps shall be set upright, not left on edge, and be moved at least 10 feet from the road edge.

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

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

#### 4.2 - Maintenance

##### 4.2.4 - Grading (10/16)

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

#### 4.4 - Access

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

Permission for access across private land is the responsibility of the Purchaser. Should the Purchaser desire to cross private land, a copy of the written permission from the private landowner will be required by the DNR.

### 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. The Unit Manager or his/her representative must be contacted at least 3 business days in advance to schedule the conference.

#### 5.2 - Conduct of Operations

##### 5.2.1 - Slash

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

To facilitate reforestation, Payment Unit 1 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. Processing sites shall not be left with a compacted layer of slash; tops from these sites shall be hauled back into the cut area and scattered.

##### 5.2.2 - Hazard Trees/Snags

###### 5.2.2.1 - Den Trees (10/16)

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

##### 5.2.3 - Operating Restrictions

###### 5.2.3.3 - Bark Slippage Restriction (3/09)

Within Payment Unit(s) 2, 3, and 4, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

###### 5.2.3.4 - Oak Wilt Restriction, No Exceptions (1/18)

Within Payment Unit(s) 1, cutting, skidding, hauling within the unit, and brushing of access roads 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.

###### 5.2.3.15 - Oak Wilt Restriction, Access Roads (11/23)

Brushing of access roads to any active Payment Unit must be completed prior to April 15 in order to use these roads for hauling timber or moving machinery between April 15 and July 15. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

##### 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 are 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may

return to the area when the risk of rutting has decreased.

## 5.8 - Protection of Endangered Species

### 5.8.5 - Protection of Raptor Nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an onsite 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 County Airport Road / Horseshoe Rapids Road prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.



**TIMBER SALE MAP**

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

Sale Number	Date	
<b>12-051-25</b>	01/14/2025	
Scale	Page	Of
1:24,000	1	1

Forest Management Unit	County	Mapped By: Brolin
Crystal Falls Mgt Unit	Iron	Cruised By: Brolin

Township	Range	Section(s) and Subdivision(s)
42N	32W	Sec. 23 SESE; Sec. 24 SWSW; Sec. 26 SESW,SWSE; Sec. 27 SE; Sec. 35 N1/2NW,NWNE;

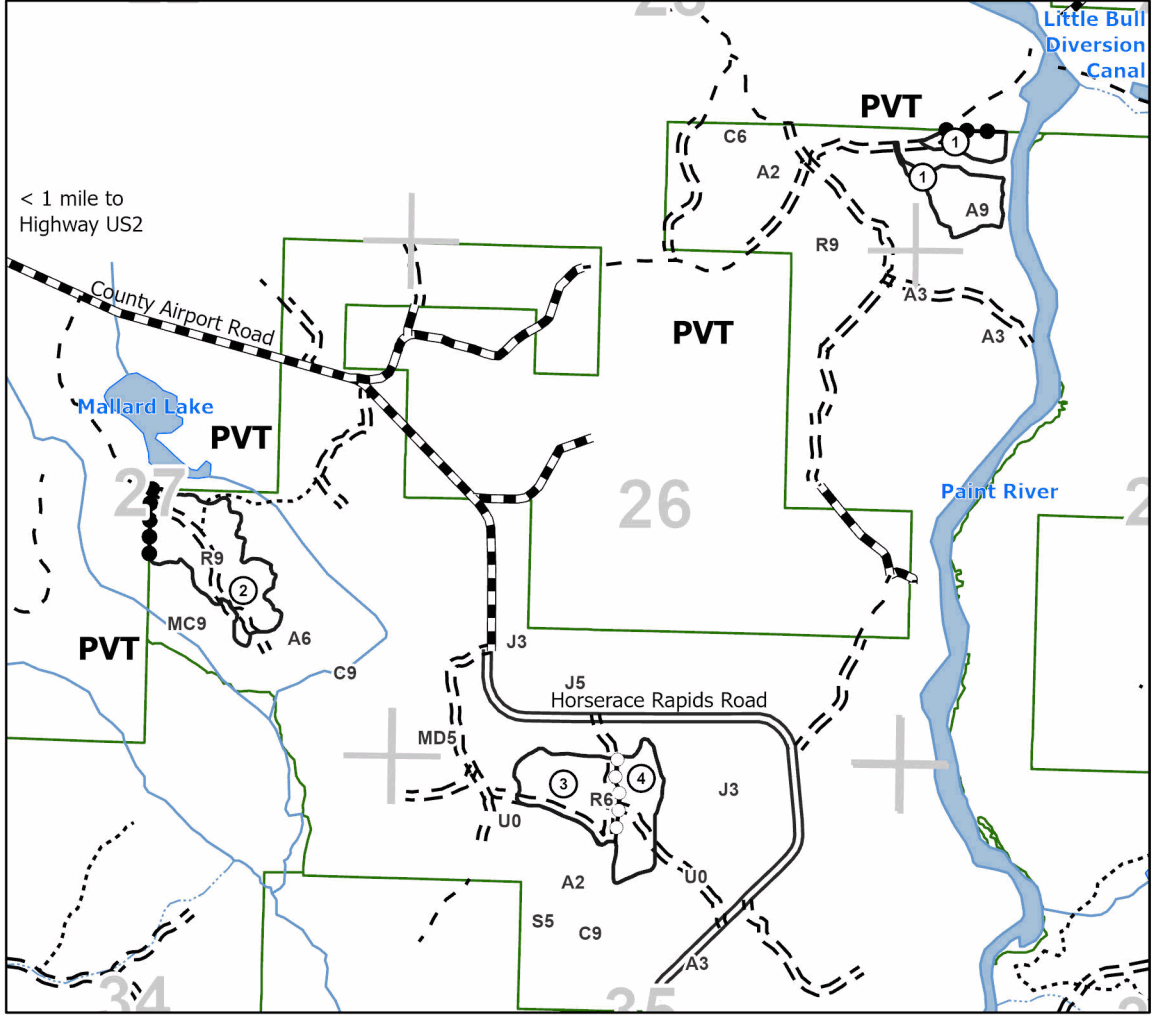
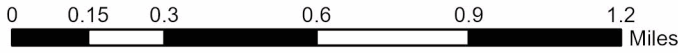
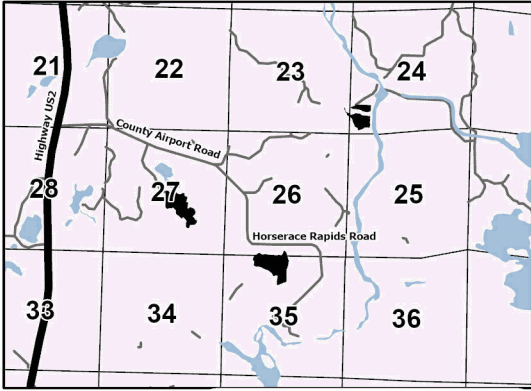
Cover Type			
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, 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

Payment Unit Number	Acres
1	15.6
2	25.6
3	16.4
4	12.7

**Airplane Pine**  
**Compartment 12162**  
**70.3 Acres**

**Locator Map 1:100,000**



Legend	
	Against State (Red)
	Private Line (Blue)
	Payment Unit (Yellow)
	Primary Forest Road
	Forest Access Route
	Administrative Access Only
	Government Gravel/Dirt
	Private Gravel/Dirt
	Intermittent Stream
	Perennial River
	MIRIS Section Corner

Use QR Code to open Map in App

