



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7335**

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on December 5, 2023.**

LOCATION: **ESCANABA MGMT UNIT, 6833 HWY'S 2, 41 & M-35, GLADSTONE, MI 49837.**

CONTACT NAME: Eric Thompson

PHONE NUMBER: (906) 789-8231

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

Barren Aspen (33-029-23) / T35N, R28W, SEC. 30, S1/2NW,N1/2SW,SWSW,NWSE.

T35N, R29W, SEC. 25, SENE,NESE.

T35N, R29W, SEC. 36, W1/2NW,NENE,NWSW.

Menominee County, Advertised Price \$50,629.90, 128.1 Acres, Aspen, Hardwood.

SALE NOTE: All Payment Units can be accessed through state land. All Payment Units must be harvested between December 1st and March 31st to minimize soil disturbance.

## TIMBER SALE INFORMATION

Barren Aspen (33-029-23)

T35N, R28W, SEC. 30; T35N, R29W, SEC. 25; T35N, R29W, SEC. 36.

Menominee County (Advertised Price \$50,629.90)

**SALE NOTE:** All Payment Units can be accessed through state land. All Payment Units must be harvested between December 1st and March 31st to minimize soil disturbance.

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		
Northern Pin Oak	24.1 MBF	\$ 114.00 / MBF
Red Maple	11.3 MBF	\$ 126.00 / MBF
Red Oak	2.5 MBF	\$ 93.00 / MBF
Pulpwood		
Balsam Fir	4 Cords	\$ 10.80 / Cord
Jack Pine	12 Cords	\$ 38.40 / Cord
Mixed Aspen	1,222 Cords	\$ 24.10 / Cord
Mixed Hardwood	292 Cords	\$ 17.10 / Cord
Mixed Oak	314 Cords	\$ 19.10 / Cord
Red Pine	48 Cords	\$ 41.70 / Cord
White Pine	124 Cords	\$ 26.45 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 11.39 percent. There are an estimated 2,091 cords on this timber sale, plus or minus 238 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 \$2,531.50 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:

<u>PAYMENT UNIT NUMBER</u>	<u>PERCENT OF TOTAL SALE VALUE</u>
01	16.2%
02	19.1%
03	12.2%
04	13.1%
05	10.2%
06	23.3%
07	5.9%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2026.

### **SALE STATISTICS**

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

## SALE VOLUMES

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

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
165,226	2,091	11.39%	1,853	2,330

## 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
27	20,133	255	29.52%	180	330
29	56,947	721	17.06%	598	844
32	23,194	294	34.56%	192	395
48	16,426	208	44.57%	115	301
60	37,629	476	16.87%	396	557
63	10,897	138	44.53%	77	199
<b>TOTAL:</b>	<b>165,226</b>	<b>2,091</b>		<b>1,557</b>	<b>2,626</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
27	26.8	3	26.8
29	43.7	1	20.0
		2	23.7
32	18.1	4	18.1
48	9.3	5	9.3
60	19.1	6	19.1
63	11.1	7	11.1
<b>TOTAL:</b>	<b>128.1</b>		<b>128.1</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Northern Pin Oak	Sawtimber	4.7	MBF	20.0	\$8,177.60
	Mixed Aspen	Pulpwood	281	Cords		
	<i>B. T. Aspen</i>		14	Cords		
	<i>Quaking Aspen</i>		267	Cords		
	Mixed Hardwood		14	Cords		
	<i>Black Cherry</i>		10	Cords		
	<i>Red Maple</i>		4	Cords		
	Mixed Oak		33	Cords		
	<i>Northern Pin Oak</i>		33	Cords		
2	Northern Pin Oak	Sawtimber	5.6	MBF	23.7	\$9,682.20
	Mixed Aspen	Pulpwood	333	Cords		
	<i>B. T. Aspen</i>		17	Cords		
	<i>Quaking Aspen</i>		316	Cords		
	Mixed Hardwood		16	Cords		
	<i>Black Cherry</i>		12	Cords		
	<i>Red Maple</i>		4	Cords		
	Mixed Oak		39	Cords		
	<i>Northern Pin Oak</i>		39	Cords		
3	Northern Pin Oak	Sawtimber	6.4	MBF	26.8	\$6,162.50
	Jack Pine	Pulpwood	4	Cords		
	Mixed Aspen		157	Cords		
	<i>B. T. Aspen</i>		3	Cords		
	<i>Quaking Aspen</i>		154	Cords		
	Mixed Hardwood		14	Cords		
	<i>Black Cherry</i>		3	Cords		
	<i>Paper Birch</i>		1	Cords		
	<i>Red Maple</i>		10	Cords		
	Mixed Oak		63	Cords		
	<i>Northern Pin Oak</i>		63	Cords		
	White Pine		2	Cords		
4	Northern Pin Oak	Sawtimber	1.9	MBF	18.1	\$6,627.80
	Red Maple		7.5	MBF		
	Jack Pine	Pulpwood	6	Cords		
	Mixed Aspen		18	Cords		
	<i>B. T. Aspen</i>		5	Cords		
	<i>Quaking Aspen</i>		13	Cords		
	Mixed Hardwood		119	Cords		
	<i>Black Cherry</i>		4	Cords		
	<i>Paper Birch</i>		4	Cords		
	<i>Red Maple</i>		111	Cords		
	Mixed Oak		35	Cords		
	<i>Northern Pin Oak</i>		35	Cords		
	Red Pine		11	Cords		
	White Pine		62	Cords		
5	Northern Pin Oak	Sawtimber	4.1	MBF	9.3	\$5,166.40
	Red Maple		2.8	MBF		
	Red Oak		0.4	MBF		
	Mixed Aspen	Pulpwood	107	Cords		
	<i>B. T. Aspen</i>		80	Cords		
	<i>Quaking Aspen</i>		27	Cords		
	Mixed Hardwood		37	Cords		
	<i>Paper Birch</i>		22	Cords		
	<i>Red Maple</i>		15	Cords		
	Mixed Oak		40	Cords		
	<i>Northern Pin Oak</i>		37	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	<i>Red Oak</i>	<i>Pulpwood</i>	3	<i>Cords</i>		
	Red Pine		8	Cords		
6	Northern Pin Oak	Sawtimber	1.4	MBF	19.1	\$11,842.60
	Red Maple		1.0	MBF		
	Red Oak		2.1	MBF		
	Jack Pine	Pulpwood	2	Cords		
	Mixed Aspen		269	Cords		
	<i>B. T. Aspen</i>		169	<i>Cords</i>		
	<i>Quaking Aspen</i>		100	<i>Cords</i>		
	Mixed Hardwood		78	Cords		
	<i>Red Maple</i>		78	<i>Cords</i>		
	Mixed Oak		56	Cords		
	<i>Northern Pin Oak</i>		53	<i>Cords</i>		
	<i>Red Oak</i>		3	<i>Cords</i>		
	Red Pine		22	Cords		
	White Pine		56	Cords		
7	Balsam Fir	Pulpwood	4	Cords	11.1	\$2,970.80
	Mixed Aspen		57	Cords		
	<i>B. T. Aspen</i>		24	<i>Cords</i>		
	<i>Quaking Aspen</i>		33	<i>Cords</i>		
	Mixed Hardwood		14	Cords		
	<i>Red Maple</i>		14	<i>Cords</i>		
	Mixed Oak		48	Cords		
	<i>Northern Pin Oak</i>		48	<i>Cords</i>		
	Red Pine		7	Cords		
	White Pine		4	Cords		
TOTAL:			37.9	MBF		
TOTAL:			2,016	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Barren Aspen**

**Sale Number: 33-029-23 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 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. 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 for.

### **2 - Timber Specifications**

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

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

Within Payment Unit(s) 1, 2, 3, 5, & 6, cut all trees that are three (3) inches or more at DBH, except do not cut trees marked with green paint.

##### **2.1.2 - Clearcut unit(s) w/o unmerchantable trees (8/11)**

Within Payment Unit(s) 4 & 7, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut trees marked with green paint.

#### **2.2 - Utilization**

##### **2.2.3 - Stump heights (4/07)**

Stump heights within Payment Unit(s) 1, 2, 3, 5, & 6, shall not exceed 8 inches for all trees. This is in order to facilitate planting operations.

### **3 - Payments**

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

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

Payment Unit(s) \$18,000 in value or greater may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

### **4 - Transportation**

#### **4.1 - Construction**

##### **4.1.8 - Road work (1) (8/07)**

The following road work is required: the Purchaser must haul and spread a minimum of 100 cubic feet of gravel onto the Oak Hill Road. The exact locations will be identified during the pre-sale meeting. The roadwork must be completed prior to any hauling from Payment Units 6 & 7. Gravel is available from a state pit just west of Payment Unit 7 along the Oak Hill Road.

##### **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**

##### **4.2.1 - Hauling restriction (12/08)**

Hauling may be restricted on forest roads by the Unit Manager or his/her representative. The restriction may occur during spring breakup or during other wet weather conditions.

#### 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 bull dozer 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.

### 5 - Operations

#### 5.2 - Conduct of Operations

##### 5.2.3 - Operating Restrictions

###### 5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1 - 7 cutting and skidding are limited to the period of December 1st to March 31st, unless there is snow cover or an extended frozen period and the sale administrator allows harvesting activities during that period of time. This restriction is to minimize soil disturbance.

### 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 Sturgeon Landing Road and the Oak Hill 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.

### 7 - Other Conditions

#### 7.3 - Contract Modifications

##### 7.3.2 - Modification for oak wilt (2/05)

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

**TIMBER SALE MAP**

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

Sale Number		Year	
33-029		23	
Date	Page	of	
9/14/2023	1	1	

1:15.840

Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor
D = Tread Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium
E = Swamp Hdwoods	M = Mpl, Bch, Bach	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			

