



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7473**

**SCHEDULED SALE DATE AND TIME: 12:00 p.m. (local time) on September 24, 2024.**

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

**CONTACT NAME: Daniel Racine**

**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:

Biting Wetness (33-024-24) / T37N, R27W, SEC. 17, N1/2NW.

T37N, R27W, SEC. 18, NW,SWNE,NESW,N1/2SE,SESE.

T37N, R27W, SEC. 7 , SWSW.

Menominee County, Advertised Price \$15,105.45, 71.6 Acres, Hardwood, Spruce/Fir/Tamarack.

**SALE NOTE:** All Payment Units will be accessed through state land. Road work is required on this sale, before the wood in Payment Units 1 and 2 may be hauled (see spec 4.1.8).

## TIMBER SALE INFORMATION

Biting Wetness (33-024-24)

T37N, R27W, SEC. 17; T37N, R27W, SEC. 18; T37N, R27W, SEC. 7.

Menominee County (Advertised Price \$15,105.45)

SALE NOTE: All Payment Units will be accessed through state land. Road work is required on this sale, before the wood in Payment Units 1 and 2 may be hauled (see spec 4.1.8).

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	16.7 MBF	\$ 94.00 / MBF
Red Maple	2.4 MBF	\$ 112.00 / MBF
Red Oak	2.0 MBF	\$ 97.00 / MBF
Sugar Maple	2.4 MBF	\$ 191.00 / MBF
Pulpwood		
Balsam Fir	79 Cords	\$ 9.80 / Cord
Balsam Poplar	66 Cords	\$ 30.20 / Cord
Basswood	117 Cords	\$ 8.20 / Cord
Mixed Aspen	20 Cords	\$ 30.20 / Cord
Mixed Hardwood	267 Cords	\$ 14.85 / Cord
Mixed Spruce	52 Cords	\$ 15.60 / Cord
N. White Cedar	242 Cords	\$ 5.70 / Cord
Red Oak	3 Cords	\$ 15.80 / Cord
Tamarack	163 Cords	\$ 10.70 / Cord
White Pine	17 Cords	\$ 19.80 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 14.77 percent. There are an estimated 1,077 cords on this timber sale, plus or minus 159 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 \$755.27 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	32.1%
02	24.2%
03	17.7%
04	9.7%
05	9.7%
06	6.6%

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
85,116	1,077	14.77%	918	1,237

## 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
1	21,821	276	26.66%	203	350
4	29,825	378	28.97%	268	487
14	11,730	148	40.19%	89	208
21	6,562	83	53.95%	38	128
32	9,836	125	43.81%	70	179
33	5,341	68	35.11%	44	91
<b>TOTAL:</b>	<b>85,116</b>	<b>1,077</b>		<b>712</b>	<b>1,443</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	27.7	1	27.7
4	9.3	2	9.3
14	13.3	3	13.3
21	3.2	4	3.2
32	9.1	5	9.1
33	9.0	6	9.0
<b>TOTAL:</b>	<b>71.6</b>		<b>71.6</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	16.0	MBF	27.7	\$4,844.50
	Red Oak		2.0	MBF		
	Sugar Maple		2.4	MBF		
	Balsam Fir	Pulpwood	9	Cords		
	Basswood		106	Cords		
	Mixed Aspen		3	Cords		
	<i>B. T. Aspen</i>		3	Cords		
	Mixed Hardwood		102	Cords		
	<i>Beech</i>		2	Cords		
	<i>Ironwood</i>		3	Cords		
	<i>Red Maple</i>		4	Cords		
	<i>Sugar Maple</i>		29	Cords		
	<i>White Ash</i>		64	Cords		
	Mixed Spruce		5	Cords		
	<i>White Spruce</i>		5	Cords		
	Red Oak		3	Cords		
2	Balsam Poplar	Pulpwood	11	Cords	9.3	\$3,656.75
	Mixed Hardwood		25	Cords		
	<i>Black Ash</i>		25	Cords		
	Mixed Spruce		12	Cords		
	<i>Black Spruce</i>		12	Cords		
	N. White Cedar		173	Cords		
	Tamarack		146	Cords		
	White Pine		11	Cords		
3	Balsam Fir	Pulpwood	20	Cords	13.3	\$2,673.45
	Balsam Poplar		50	Cords		
	Basswood		2	Cords		
	Mixed Aspen		5	Cords		
	<i>Quaking Aspen</i>		5	Cords		
	Mixed Hardwood		7	Cords		
	<i>Black Ash</i>		2	Cords		
	<i>Green Ash</i>		3	Cords		
	<i>Yellow Birch</i>		2	Cords		
	Mixed Spruce		24	Cords		
	<i>Black Spruce</i>		6	Cords		
	<i>White Spruce</i>		18	Cords		
	N. White Cedar		31	Cords		
	Tamarack		8	Cords		
	White Pine		3	Cords		
4	Red Maple	Sawtimber	1.8	MBF	3.2	\$1,463.35
	Balsam Fir	Pulpwood	5	Cords		
	Basswood		6	Cords		
	Mixed Aspen		9	Cords		
	<i>B. T. Aspen</i>		2	Cords		
	<i>Quaking Aspen</i>		7	Cords		
	Mixed Hardwood		59	Cords		
	<i>Black Cherry</i>		2	Cords		
	<i>Red Maple</i>		44	Cords		
	<i>Sugar Maple</i>		11	Cords		
	<i>White Ash</i>		2	Cords		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	Cords		
5	Basswood	Sawtimber	0.7	MBF	9.1	\$1,466.85
	Red Maple		0.6	MBF		
	Balsam Fir	Pulpwood	19	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	Basswood	Pulpwood	1	Cords		
	Mixed Hardwood		51	Cords		
	Black Ash		14	Cords		
	Red Maple		33	Cords		
	Sugar Maple		3	Cords		
	Yellow Birch		1	Cords		
	Mixed Spruce		2	Cords		
	Black Spruce		2	Cords		
	N. White Cedar		38	Cords		
	Tamarack		7	Cords		
White Pine	3	Cords				
6	Balsam Fir	Pulpwood	26	Cords	9.0	\$1,000.55
	Balsam Poplar		5	Cords		
	Basswood		2	Cords		
	Mixed Aspen		3	Cords		
	Quaking Aspen		3	Cords		
	Mixed Hardwood		23	Cords		
	Black Cherry		1	Cords		
	Red Maple		8	Cords		
	Sugar Maple		12	Cords		
	White Ash		2	Cords		
	Mixed Spruce		8	Cords		
	White Spruce		8	Cords		
	Tamarack		2	Cords		
	TOTAL:			23.5		
TOTAL:			1,026	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Biting Wetness**

**Sale Number: 33-024-24 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. Retention patches are marked with red paint; no harvesting activities may occur within these areas. 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) 2-5, cut all trees that are three (3) inches or more at DBH, with the following exceptions:

- Within Payment Units 3 & 5, do not cut white oak or trees marked with green paint.
- Within Payment Unit 4, do not cut white oak.

Within Payment Unit(s) 6, cut all spruce and fir that are greater than three (3) inches at DBH. In addition, cut all other species that are greater than four (4) inches at DBH, except do not cut trees marked with green paint.

##### **2.1.3 - Cut tree marked unit(s) (12/08)**

Within Payment Unit(s) 1, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, cut all aspen, balm, tamarack, spruce, fir, and ironwood that are greater than three (3) inches at DBH.

#### **2.2 - Utilization**

##### **2.2.4 - Skidding length (2/14)**

Skidding of unlimbed tops or lengths over 17 feet is not permissible within Payment Unit 1.

### **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 purchase and install a new corrugated steel culvert, 18 inches in diameter and 24 feet in length. This culvert will be installed on the access road going back to Payment Units 1 and 2. The Purchaser must also haul and spread a minimum of 100 cubic yards of gravel over the culvert and a few low spots on the access road. A minimum of twelve (12) inches of gravel must be placed over the culvert. All road work must be completed prior to any hauling from Payment Units 1 and 2. Gravel is available from a state pit about five miles from the sale.

#### **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 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.

### 5 - Operations

#### 5.2 - Conduct of Operations

##### 5.2.3 - Operating Restrictions

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

Within Payment Unit(s) 2, 3 and 5, cutting and skidding are limited to the period of December 1 to March 31, unless there is an extended dry or frozen period, and the Sale Administrator allows harvesting during that period of time. This restriction is because of low wet ground within each of the Payment Units.

###### 5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

##### 5.2.22 - Operating Caution

###### 5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 4 and 6, cutting and skidding occur during dry summer or frozen winter conditions. The reason for the recommendation is because of some low ground within each Payment Unit.

### 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 DeTemple 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

#### 7.5 - Loss

##### 7.5.1 - Deteriorating timber (7/09)

The sale area has received damage from the spruce budworm, eastern larch beetle and the emerald ash borer. The Purchaser should harvest the wood as soon as possible. The Department of Natural Resources is held free of responsibility of any further damage or deterioration due to delay in harvesting.

**TIMBER SALE MAP**

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

Sale Number  
**33-024-24**Date  
**07/08/2024**

Forest Management Unit

County

Mapped By: Beaudou

Scale

Page

Of

Escanaba Mgt Unit

Menominee

Cruised By: Salter, Beaudou

1:15,840

1

1

Township

Range

Section(s) and

37N

27W

Subdivision(s) Sec. 17 N1/2NW; Sec. 18 NW,SWNE,NESW,N1/2SE,SESE; Sec. 7 SWSW;

**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

Use QR Code to open Map in App

**PU # Acres PU # Acres**

1	27.7	4	3.2
2	9.3	5	9.1
3	13.3	6	9

**Biting Wetness  
Compartment 3  
71.6 Acres**