



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #6985**

**SCHEDULED SALE DATE AND TIME: 3:00 p.m. (local time) on June 29, 2022.**

**LOCATION: BALDWIN OFFICE, 2468 W 24TH STREET, BALDWIN, MI 49304.**

**CONTACT NAME: Joe Ventimglia**

**PHONE NUMBER: (231) 878-0047**

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

North Manton Aspen (63-004-21) / T24N, R09W, SEC. 13, S1/2SW.

T24N, R09W, SEC. 22, NESE.

T24N, R09W, SEC. 23, NENE,SW.

T24N, R09W, SEC. 24, NW,N1/2SW.

Wexford County, Advertised Price \$85,576.75, 144.9 Acres, Aspen, White Pine.

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity.  
Certain restrictions/specifications may be applicable including time restrictions.

## TIMBER SALE INFORMATION

North Manton Aspen (63-004-21)

T24N, R09W, SEC. 13; T24N, R09W, SEC. 22; T24N, R09W, SEC. 23; T24N, R09W, SEC. 24.

Wexford County (Advertised Price \$85,576.75)

**SALE NOTE:** All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.

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		
Mixed Aspen	365.5 MBF	\$ 73.00 / MBF
Red Maple	44.4 MBF	\$ 53.00 / MBF
Red Oak	12.4 MBF	\$ 131.00 / MBF
Red Pine	17.3 MBF	\$ 74.00 / MBF
White Pine	182.5 MBF	\$ 52.00 / MBF
Pulpwood		
Balsam Fir	50 Cords	\$ 7.70 / Cord
Jack Pine	48 Cords	\$ 8.70 / Cord
Mixed Aspen	1,974 Cords	\$ 17.15 / Cord
Mixed Hardwood	206 Cords	\$ 13.75 / Cord
Mixed Oak	49 Cords	\$ 20.25 / Cord
Red Pine	5 Cords	\$ 32.95 / Cord
White Pine	489 Cords	\$ 11.25 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 5.81 percent. There are an estimated 4,210 cords on this timber sale, plus or minus 245 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 \$4,278.84 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	8.8%
02	12.2%
03	36.9%
04	42.1%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 09/30/2024.

### **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
332,590	4,210	5.81%	3,965	4,455

## 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
32	31,598	400	23.39%	306	494
44	44,761	567	15.54%	479	655
65	256,231	3,243	6.42%	3,035	3,452
<b>TOTAL:</b>	<b>332,590</b>	<b>4,210</b>		<b>3,820</b>	<b>4,600</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
32	13.3	1	13.3
44	25.2	2	25.2
65	106.4	3	49.8
		4	56.6
<b>TOTAL:</b>	<b>144.9</b>		<b>144.9</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	26.2	MBF	13.3	\$7,556.55
	B. T. Aspen		26.2	MBF		
	Red Maple		3.9	MBF		
	Red Oak		1.9	MBF		
	Balsam Fir	Pulpwood	30	Cords		
	Mixed Aspen		214	Cords		
	B. T. Aspen		214	Cords		
	Mixed Hardwood		73	Cords		
	Black Cherry		24	Cords		
	Red Maple		49	Cords		
	Mixed Oak		14	Cords		
	White Oak	Sawtimber	2.9	MBF		
	Red Oak	Pulpwood	5	Cords		
	White Oak		3	Cords		
2	Mixed Aspen	Sawtimber	18.5	MBF	25.2	\$10,481.85
	B. T. Aspen		18.5	MBF		
	Balsam Fir	Pulpwood	14	Cords		
	Mixed Aspen		462	Cords		
	B. T. Aspen		462	Cords		
	Mixed Hardwood		36	Cords		
	Red Maple		36	Cords		
	Mixed Oak		11	Cords		
	Red Oak		11	Cords		
	White Pine		34	Cords		
3	Mixed Aspen	Sawtimber	150.1	MBF	49.8	\$31,574.60
	B. T. Aspen		6.4	MBF		
	Quaking Aspen		143.7	MBF		
	Red Maple		19.0	MBF		
	Red Oak		4.9	MBF		
	Red Pine		8.1	MBF		
	White Pine		85.4	MBF		
	Balsam Fir	Pulpwood	3	Cords		
	Jack Pine		22	Cords		
	Jack Pine	Sawtimber	2.2	MBF		
	Jack Pine	Pulpwood	18	Cords		
	Mixed Aspen		607	Cords		
	B. T. Aspen		40	Cords		
	Quaking Aspen		567	Cords		
	Mixed Hardwood		45	Cords		
	Black Cherry		5	Cords		
	Red Maple		40	Cords		
	Mixed Oak		11	Cords		
	Red Oak		8	Cords		
	White Oak		3	Cords		
	Red Pine		2	Cords		
	White Pine		213	Cords		
4	Mixed Aspen	Sawtimber	170.7	MBF	56.6	\$35,963.75
	B. T. Aspen		7.3	MBF		
	Quaking Aspen		163.4	MBF		
	Red Maple		21.5	MBF		
	Red Oak		5.6	MBF		
	Red Pine		9.2	MBF		
	White Pine		97.1	MBF		
	Balsam Fir	Pulpwood	3	Cords		
	Jack Pine		26	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
4 con't	<i>Jack Pine</i>	<i>Sawtimber</i>	2.5	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	21	<i>Cords</i>		
	Mixed Aspen		691	Cords		
	<i>B. T. Aspen</i>		46	<i>Cords</i>		
	<i>Quaking Aspen</i>		645	<i>Cords</i>		
	Mixed Hardwood		52	Cords		
	<i>Black Cherry</i>		6	<i>Cords</i>		
	<i>Red Maple</i>		46	<i>Cords</i>		
	Mixed Oak		13	Cords		
	<i>Red Oak</i>		10	<i>Cords</i>		
	<i>White Oak</i>		3	<i>Cords</i>		
	Red Pine		3	Cords		
	White Pine		242	Cords		
TOTAL:			622.1	MBF		
TOTAL:			2,821	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: North Manton Aspen**

**Sale Number: 63-004-21   Seq#: 2**

### **1 - Sale Area**

#### **1.2 - Boundaries**

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

The sale boundary and Payment Unit boundaries are marked with red and blue paint. Timber type edge will be used for interior portion of Payment Units 3 and 4 where mature aspen meets recent aspen regeneration (Marked as A3 on Timber Sale Map). 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 separating Payment Unit 3 and 4 will be 47 1/2 road. Retention patches are marked with red paint; no harvesting activities may occur within these areas (See Timber Sale Map for locations). The painted boundary line trees are not Included Timber and are to be protected.

### **2 - Timber Specifications**

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

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

Within Payment Unit(s) 2-4, cut all trees that are three (3) inches or more at DBH, except white pine that is 3 inches or less at DBH which should be protected as much as practical during sale operations. In addition, leave any green marked trees if present in these Payment Units. A retention island is present in Payment Unit 2 and is marked in red paint as shown on the Timber Sale Map.

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

Within Payment Unit(s) 1, cut all trees which meet minimum piece specifications in 2.2 Utilization, except leave all white pine regardless of merchantability. As well leave retention island marked in red and shown on Timber Sale Map.

### **3 - Payments**

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

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

Payment Unit(s) 3 and 4 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**

##### **4.1.1 - Stream crossings, general (3/11)**

All stream crossing structures will be temporary and therefore, shall be provided by the Purchaser, and must be removed upon completion of the sale. All permits for stream crossings will be provided by the DNR. In Payment Unit 2, the DNR has current plans to build new bridges over small streams on the snowmobile trail in upcoming years, but the exact timeframe is not known. If not in place by time of the sale, temporary crossings will be required to cross small streams as current bridges are too weak to support log trucks or skidder traffic.

##### **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**

##### **4.2.5 - 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

### 5.1 - Notification

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

A pre-sale conference on site 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 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 3 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 the maintained wildlife opening which is indicated by G0 on the Timber Sale Map. This applies to Payment Units 1 and 3. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

#### 5.2.3 - Operating Restrictions

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

Timber harvesting in any Payment Unit must be completed before significant aspen sprouting occurs in that Payment Unit to minimize damage to the new regeneration.

#### 5.2.4 - Dead and Down Creation

##### 5.2.4.4 - Dead and down creation, grouse (6/18)

To encourage grouse and other wildlife, in Payment Unit(s) 1-4, leave one, 10" diameter or larger log-length (8 foot minimum) piece on the ground for every 4 acres. These trees will be evenly scattered throughout the Payment Unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles.

#### 5.2.39 - ORV trail/route protection (4/18)

The ORV trail or route runs through Payment Unit 4 and is shown on the Timber Sale Map. Do not cut trees or damage posts with yellow ORV markers. All stumps within 5 feet of the trail must be cut flush with the ground. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the ORV trail or route as the centerline. Do not run equipment down the ORV trail or route. Skidding across the trail or route may only occur in locations approved by the sale administrator.

#### 5.2.41 - Snowmobile trail protection (9/11)

The snowmobile trail runs through all Payment Units of this sale and is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. If the trail road is to be used for hauling during the snowmobile season, then a snow-covered base must be left on the trail. The snowmobile trail may only be crossed at right angles. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 20 feet of the snowmobile trail must be cut at ground level. In addition, any trees cut within 5 feet of the trail must have the stumps removed and be disposed of according to the direction of the Unit Manager or his/her representative.

#### 5.2.43 - Opening protection (2/21)

No activities are permitted in openings marked on the Timber Sale Map with the letter "G". Any damage to the openings shall be repaired according to specifications of the Unit Manager or his/her representative. This spec refers to wildlife opening in Payment Unit 1 and edge of Payment Unit 3.

## 6 - Safety and Fire Prevention

### 6.2 - Signing

#### 6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on snowmobile trail prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail 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.

#### 6.2.3 - Recreational trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the ORV trails in Payment Unit 4 prior to beginning operations. The trail must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic at both ends of the trail. 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	Year
63-004-21-01	21

Forest Management Unit	County	Mapped By	Date	Page	of
Cadillac	Wexford	Ventimiglia	05/17/21	1	1
Township	Range	Section(s) and Subdivision(s)	Scale		
24N	09W	Section 23 and 24 various	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 = Treed 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, Brch	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			

PU	Acres	PU	Acres
1	13.3	4	56.6
2	25.2		
3	49.8		

## North Manton Aspen

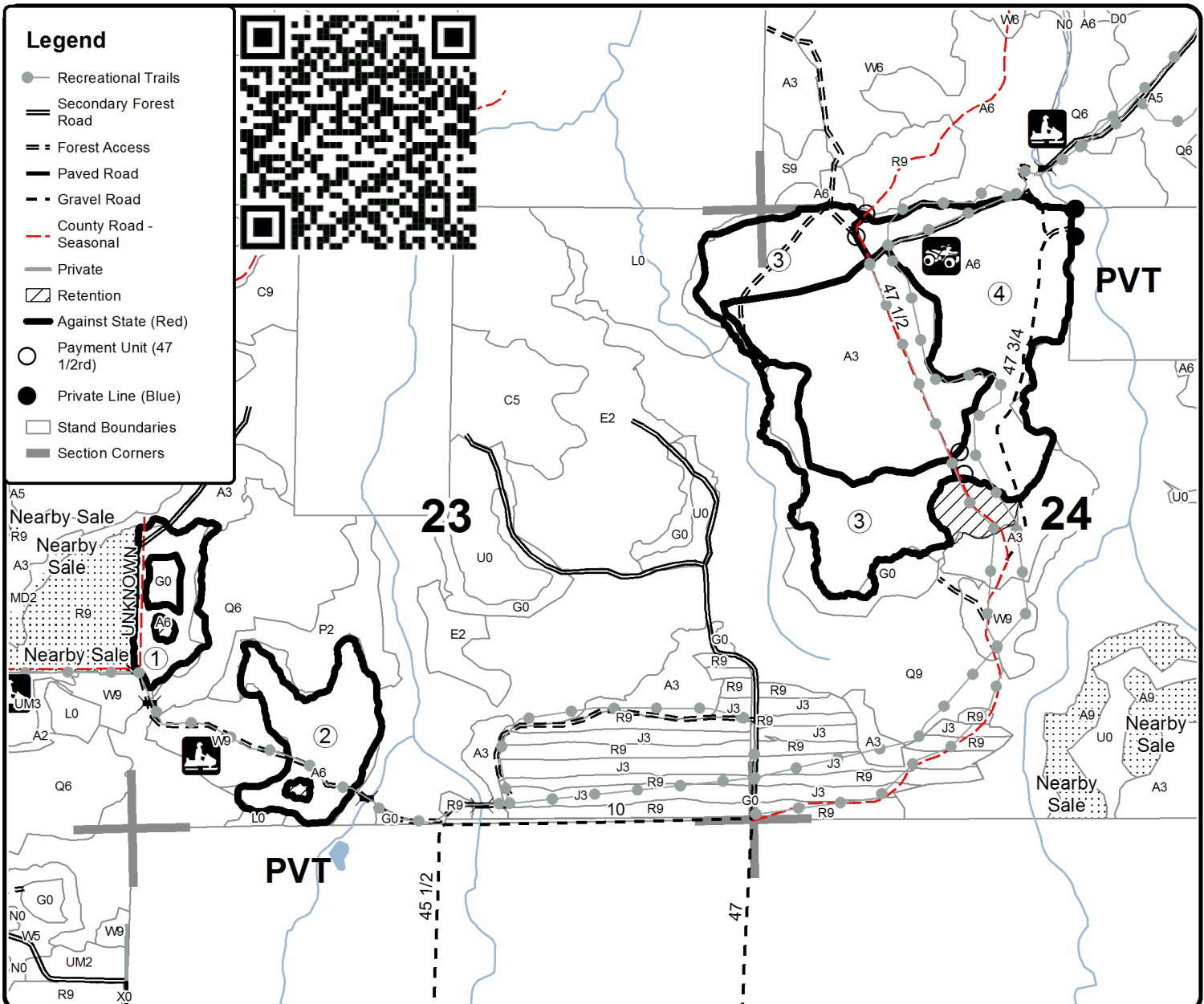
### Compartment 138

144.9 Acres



## Legend

- Recreational Trails
- Secondary Forest Road
- Forest Access
- Paved Road
- Gravel Road
- County Road - Seasonal
- Private
- Retention
- Against State (Red)
- Payment Unit (47 1/2rd)
- Private Line (Blue)
- Stand Boundaries
- Section Corners



0 0.125 0.25 0.5 0.75 1 Miles