



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN**

**TIMBER SALE PROSPECTUS #6978**

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on December 27, 2021.**

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

CONTACT NAME: Joe Ventinglia

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:

Hawk Hills Red Pine (63-006-21) / T23N, R09W, SEC. 25, S1/2NW, N1/2SW, SWSW.

T23N, R09W, SEC. 26, SENE, SW, SE.

T23N, R09W, SEC. 27, E1/2SE.

T23N, R09W, SEC. 35, N1/2NE.

Wexford County, Advertised Price \$116,350.40, 139.3 Acres, Red Oak, Red 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

### Hawk Hills Red Pine (63-006-21)

T23N, R09W, SEC. 25; T23N, R09W, SEC. 26; T23N, R09W, SEC. 27; T23N, R09W, SEC. 35.

Wexford County (Advertised Price \$116,350.40)

**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		
Red Oak	14.9 MBF	\$ 160.00 / MBF
Red Pine	182.4 MBF	\$ 82.00 / MBF
Pulpwood		
Quaking Aspen	18 Cords	\$ 14.45 / Cord
Red Oak	31 Cords	\$ 15.05 / Cord
Red Pine	2,875 Cords	\$ 34.00 / Cord
White Pine	51 Cords	\$ 10.45 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 6.28 percent. There are an estimated 3,431 cords on this timber sale, plus or minus 216 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 \$5,817.52 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	12.5%
02	13.5%
03	7.7%
04	2.9%
05	15.5%
06	33.3%
07	14.6%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2023.

### **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
271,081	3,431	6.28%	3,216	3,647

## 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
10	33,485	424	13.64%	366	482
33	36,144	458	12.16%	402	513
37	20,316	257	6.68%	240	274
51	8,797	111	25.09%	83	139
60	41,291	523	16.07%	439	607
62	87,590	1,109	13.95%	954	1,263
78	38,459	487	15.96%	409	565
<b>TOTAL:</b>	<b>266,081</b>	<b>3,368</b>		<b>2,893</b>	<b>3,843</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
10	21.5	1	21.5
33	17.0	2	17.0
37	7.5	3	7.5
51	6.9	4	6.9
60	22.6	5	22.6
62	47.5	6	47.5
78	16.3	7	16.3
<b>TOTAL:</b>	<b>139.3</b>		<b>139.3</b>

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Sawtimber	22.3	MBF	21.5	\$14,538.65
	Quaking Aspen	Pulpwood	9	Cords		
	Red Pine		370	Cords		
2	Red Pine	Sawtimber	11.0	MBF	17.0	\$15,726.00
	Red Pine	Pulpwood	436	Cords		
3	Red Pine	Sawtimber	13.6	MBF	7.5	\$8,935.20
	Red Pine	Pulpwood	230	Cords		
4	Red Oak	Sawtimber	14.9	MBF	6.9	\$3,383.50
	Red Oak	Pulpwood	31	Cords		
	White Pine		51	Cords		
	White Pine	Sawtimber	5.4	MBF		
	White Pine	Pulpwood	40	Cords		
5	Red Pine	Sawtimber	15.0	MBF	22.6	\$17,992.00
	Red Pine	Pulpwood	493	Cords		
6	Red Pine	Sawtimber	93.1	MBF	47.5	\$38,840.25
	Quaking Aspen	Pulpwood	9	Cords		
	Red Pine		914	Cords		
7	Red Pine	Sawtimber	27.4	MBF	16.3	\$16,934.80
	Red Pine	Pulpwood	432	Cords		
TOTAL:			197.3	MBF		
TOTAL:			2,975	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Hawk Hills Red Pine**

**Sale Number: 63-006-21   Seq#: 1**

### **1 - Sale Area**

#### **1.2 - Boundaries**

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

The sale boundary is marked in red and blue paint. Exterior sale boundary lines against state are marked with red paint. Hawk buffer is marked with blue paint. This buffer only exists in Payment Unit 6. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint.

### **2 - Timber Specifications**

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

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

Within Payment Unit(s) 1,2, and 5-7, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

##### **2.1.4 - Designated timber unit(s) (6/17)**

Within Payment Unit(s) 4, all oak is designated for cutting which is 12" at DBH and greater. In addition, cut all orange marked trees.

##### **2.1.8 - Designated plantation row unit(s) (12/08)**

Within Payment Unit(s) 3, all trees which meet minimum piece specifications in 2.2 Utilization, within designated plantation rows are designated for cutting. Designated plantation rows are take two leave four pattern, begin with the second row in from the outside of the plantation, then take two leave four pattern. Because of the variability of row direction, it shall be the responsibility of the Purchaser to maintain the third-row sequence.

#### **2.2 - Utilization**

##### **2.2.6 - Roundwood operation required (3/21)**

The skidding of whole trees or tree segments with limbs attached is prohibited. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

### **4 - Transportation**

#### **4.1 - Construction**

##### **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 a Payment Unit to determine landing. The Unit Manager or his/her representative must be contacted at least 3 days in advance to schedule the conference.

#### **5.2 - Conduct of Operations**

### 5.2.3 - Operating Restrictions

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

Within Payment Unit(s) 1-3 and 5-7, 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.

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

ORV trails run throughout sale as shown on 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.

### 5.8 - Protection of Endangered Species

#### 5.8.3 - Red shoulder hawk or goshawk (2/16)

In the event that an active red shoulder hawk or goshawk nest is found, the contract may be amended to protect the nest site until the nest is determined to be inactive. The value of the trees in this excluded area will be refunded or credited to the Purchaser. The nest will be buffered with a five-chain radius (eight acre) protection area, centered on the nest tree, in which there will be no cutting or new roads constructed. Avoid human disturbance, including loading and skidding, in the protection area.

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from March 15 to July 15 (NLP). A red shoulder hawk nest was found and excluded with blue paint in Payment Unit 6 as shown on Timber Sale Map. As a result, no cutting or hauling can occur in Payment Unit 6 from March 15 to July 15. Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.

## 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 access roads 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.

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

The Purchaser is responsible for posting and maintaining caution signs on ORV trails 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
63-006-21-01	21

Forest Management Unit Cadillac	County Wexford	Mapped By Ventimiglia	Date 06/22/2021	Page 1	of 1
Township 23N	Range 09W	Section(s) and Subdivision(s) Section 25, 26, 27, 35	Scale 1:15,840		

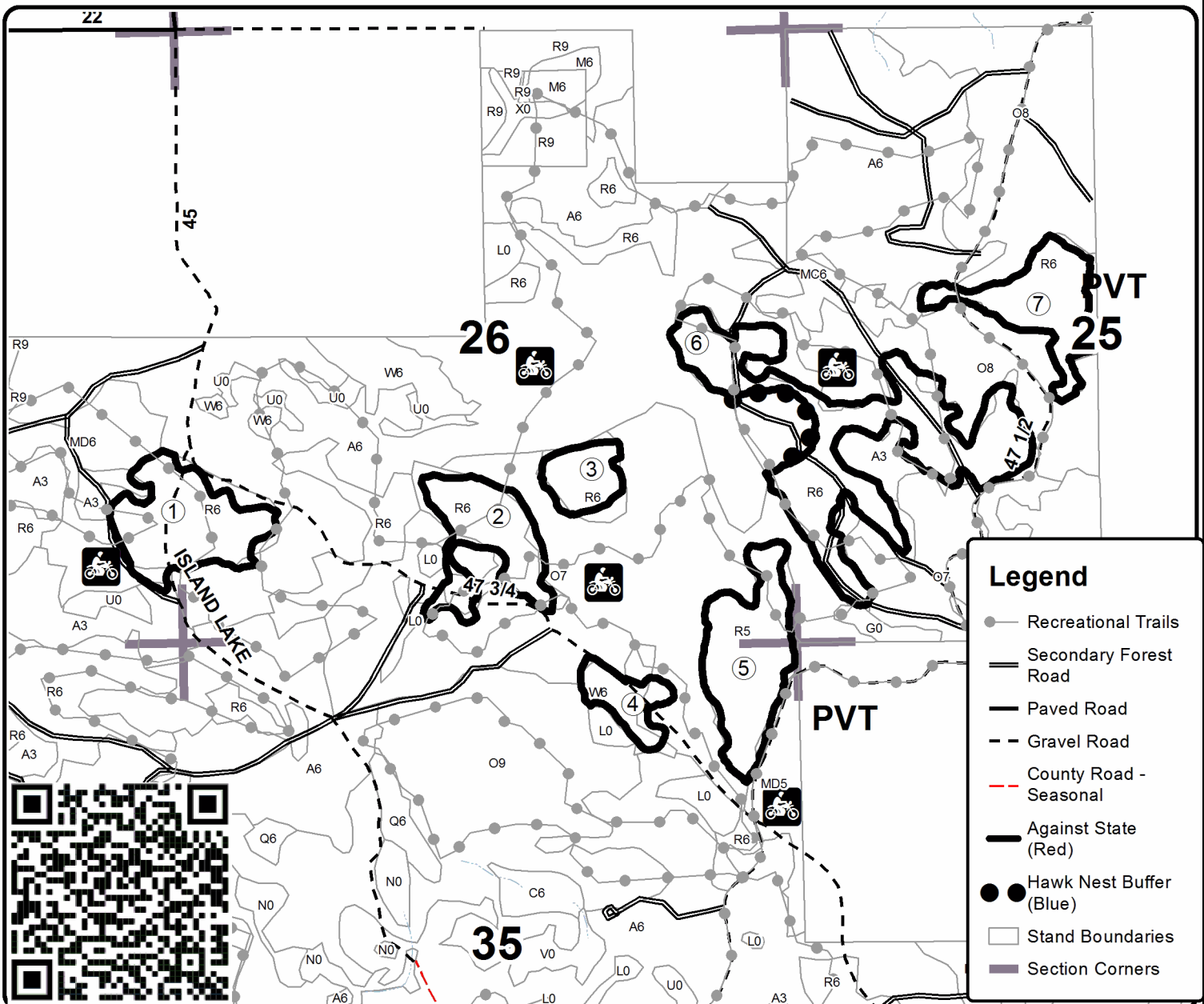
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	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			

1	21.5	5	22.6
2	17	6	47.5
3	7.5	7	16.3
4	6.9		

## Hawk Hills Red Pine

### Compartment 140

139.2 Acres



0 0.125 0.25 0.5 0.75 1 Miles