



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6958

SCHEDULED SALE DATE AND TIME: 3:00 p.m. (local time) on November 24, 2021.

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

CONTACT NAME: Joe Ventinglia

PHONE NUMBER: (231) 824-3591

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:

Backwoods Mix (63-029-21) / T23N, R09W, SEC. 36, E1/2NE.

Wexford County, Advertised Price \$34,810.55, 25.2 Acres, Aspen, Hardwood.

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

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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 & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
B. T. Aspen	102.4 MBF	\$ 85.00 / MBF
Red Maple	72.2 MBF	\$ 55.00 / MBF
Red Oak	70.6 MBF	\$ 136.00 / MBF
White Oak	20.5 MBF	\$ 62.00 / MBF
Pulpwood		
B. T. Aspen	538 Cords	\$ 14.25 / Cord
Mixed Hardwood	277 Cords	\$ 10.75 / Cord
Mixed Oak	46 Cords	\$ 13.45 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 8.01 percent. There are an estimated 1,414 cords on this timber sale, plus or minus 113 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 \$1,740.53 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 remainder is due before cutting begins.
 - (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	100.0%
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
111,668	1,414	8.01%	1,300	1,527

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
93	32,307	409	16.90%	340	478
96	77,552	982	8.79%	895	1,068
TOTAL:	109,859	1,391		1,235	1,546

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
93	7.4	1	7.4
96	17.8	1	17.8
TOTAL:	25.2		25.2

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	102.4	MBF	25.2	\$34,810.55
	Red Maple		72.2	MBF		
	Red Oak		70.6	MBF		
	White Oak		20.5	MBF		
	B. T. Aspen	Pulpwood	538	Cords		
	Mixed Hardwood		277	Cords		
	<i>Beech</i>	<i>Sawtimber</i>	6.3	<i>MBF</i>		
	<i>Beech</i>	<i>Pulpwood</i>	3	<i>Cords</i>		
	<i>Red Maple</i>		238	<i>Cords</i>		
	<i>Sugar Maple</i>		23	<i>Cords</i>		
	Mixed Oak		46	Cords		
	<i>Red Oak</i>		33	<i>Cords</i>		
	<i>White Oak</i>		13	<i>Cords</i>		
	TOTAL:			265.7		
TOTAL:			861	Cords		

Sale Specific Conditions & Requirements

Sale Name: Backwoods Mix

Sale Number: 63-029-21 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 red paint. Exterior sale boundary lines against state are marked with red paint. 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

2.1.2 - 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.

4 - Transportation

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 5 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 5 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

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 24 inches in height.

5.2.3 - Operating Restrictions

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 1, unless changed by written agreement, cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. Operations may be allowed if specific steps are taken to prevent damaging uncut oak during the high risk period. Those steps may include completing all road brushing before April 15th and clearing a tree-length buffer along uncut oak cover before April 15th. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

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, leave one, 12" diameter or larger log-length (8 foot

minimum) piece on the ground for every 2 acres. These will be evenly distributed across the Sale Area.

5.2.22 - Operating Caution

5.2.22.2 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 1, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because of slopes and seasonal wet depressions.

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 is 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.

5.4.4 - Slope protection (9/19)

Skid trails and roads on slopes shall be water barred with slash and stumps as soon as use is complete to prevent erosion.

5.4.6 - Wet area protection (5/10)

No harvesting operations, including skidding and felling, are to take place within low sensitive areas. Care must be taken by the Purchaser to identify and avoid operating in these areas of the timber sale.



TIMBER SALE MAP

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

Sale Number	Year
63-029	21

Forest Management Unit	County	Mapped By	Date	Page	of
Cadillac Management Unit	Wexford	Tweeddale	09/15/2021	1	1
Township	Range	Section(s) and Subdivision(s)	Scale		
23N	09W	Sec. 36 NENE, SENE	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 = Seeding Sapling Poor	6 = Pole Timber Well		
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seeding Sapling Medium	7 = Saw Timber Poor		
D = Tired Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seeding Sapling Well	8 = Saw Timber Medium		
E = Swamp Hardwoods	M = Mpl. Ech. Birch	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 = Cress	MD = Mixed Deciduous	T = Tamarack					

PU Acres
1 25.2

Backwoods Mix Compartment 140 25.2 Acres



Lat: 44.359956
Lon: -85.334600

Legend

- Recreational Trails
- Secondary Forest Road
- Forest Access Route
- Paved Road
- Gravel Road
- Temporary Management Access
- Retention Area
- Against State (Red)
- Private Line (Blue)
- Stand Boundaries
- Section Corners
- Lakes and Rivers All

