



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7417**

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on May 15, 2024.**

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

CONTACT NAME: David Flsher

PHONE NUMBER: (231) 745-4651

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:

Rainy Aspen (63-108-23) / T21N, R05W, SEC. 34, W1/2NW, NENE, S1/2NE.

Missaukee County, Advertised Price \$35,196.65, 33.3 Acres, Aspen, Hardwood.

SALE NOTE: Sale contains area of variable stocking and volume

TIMBER SALE INFORMATION

Rainy Aspen (63-108-23)

T21N, R05W, SEC. 34.

Missaukee County (Advertised Price \$35,196.65)

SALE NOTE: Sale contains area of variable stocking and volume

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		
Black/Red (Hybrid) Oak	3.3 MBF	\$ 99.00 / MBF
Quaking Aspen	64.7 MBF	\$ 89.00 / MBF
Red Oak	2.8 MBF	\$ 168.00 / MBF
White Oak	7.3 MBF	\$ 106.00 / MBF
Pulpwood		
Mixed Aspen	824 Cords	\$ 25.85 / Cord
Mixed Oak	118 Cords	\$ 30.80 / Cord
Red Maple	133 Cords	\$ 22.05 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 63.31 percent. There are an estimated 1,273 cords on this timber sale, plus or minus 806 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 \$3,519.67 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	36.2%
02	63.8%
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
100,588	1,273	63.31%	467	2,079

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
36	36,784	466	48.73%	239	692
70	63,804	808	47.51%	424	1,191
TOTAL:	100,588	1,273		663	1,884

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
36	10.5	1	10.5
70	22.8	2	22.8
TOTAL:	33.3		33.3

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black/Red (Hybrid	Sawtimber	3.3	MBF	10.5	\$12,728.25
	Quaking Aspen		13.3	MBF		
	Red Oak		2.8	MBF		
	White Oak		1.1	MBF		
	Mixed Aspen	Pulpwood	295	Cords		
	<i>B. T. Aspen</i>		284	Cords		
	<i>Quaking Aspen</i>		11	Cords		
	Mixed Oak		36	Cords		
	<i>/Red (Hybrid) Oak</i>		2	Cords		
	<i>Red Oak</i>		29	Cords		
	<i>White Oak</i>		5	Cords		
	Red Maple		86	Cords		
	<i>Red Maple</i>		86	Cords		
2	Quaking Aspen	Sawtimber	51.4	MBF	22.8	\$22,468.40
	White Oak		6.2	MBF		
	Mixed Aspen		529	Cords		
	<i>B. T. Aspen</i>		307	Cords		
	<i>Quaking Aspen</i>	Pulpwood	222	Cords		
	Mixed Oak		82	Cords		
	<i>/Red (Hybrid) Oak</i>		50	Cords		
	<i>Red Oak</i>		23	Cords		
	<i>White Oak</i>		9	Cords		
	Red Maple		47	Cords		
	<i>Red Maple</i>	<i>Sawtimber</i>	2.7	MBF		
	<i>Red Maple</i>	<i>Pulpwood</i>	42	Cords		
	TOTAL:		78.1	MBF		
	TOTAL:		1,075	Cords		

Sale Specific Conditions & Requirements

Sale Name: Rainy Aspen

Sale Number: 63-108-23 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 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.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1 & 2, cut all deciduous trees trees that are two (2) inches or more at DBH, except do not cut any paper birch or black cherry trees.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 1 & 2, 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.

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 will only 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 between the Purchaser and sale administrator is required prior to beginning any operations, to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 10 days in advance to schedule the conference.

5.2 - Conduct of Operations

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

5.2.3 - Operating Restrictions

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 1 & 2, 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.

5.2.38 - 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 are 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.

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 sale associated 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.



TIMBER SALE MAP

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

Sale Number	Year
63-108	23

Forest Management Unit Cadillac Management Unit	County Missaukee	Mapped By Krugh	Date 08/18/2023	Page 1	of 1
Township 21N	Range 05W	Section(s) and Subdivision(s) Sec 34: W1/2NW,NENE,S1/2NE	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			

PU	Acres
1	10.5
2	22.8

Rainy Aspen

Compartment 103

33.3 Acres

