



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #6984**

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on May 25, 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:

Grass Lake Oak (63-016-21) / T24N, R05W, SEC. 4 , W1/2NW,S1/2SW.

T24N, R05W, SEC. 5 , E1/2NE,E1/2SE.

Missaukee County, Advertised Price \$90,114.30, 101.2 Acres, Hardwood, Red Oak.

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

Grass Lake Oak (63-016-21)

T24N, R05W, SEC. 4; T24N, R05W, SEC. 5.

Missaukee County (Advertised Price \$90,114.30)

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 & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Mixed Aspen	132.7 MBF	\$ 78.00 / MBF
Red Maple	169.9 MBF	\$ 50.00 / MBF
Red Oak	335.0 MBF	\$ 142.00 / MBF
Red Pine	14.0 MBF	\$ 82.00 / MBF
White Pine	14.6 MBF	\$ 56.00 / MBF
Pulpwood		
Black Cherry	15 Cords	\$ 15.15 / Cord
Mixed Aspen	277 Cords	\$ 18.75 / Cord
Red Maple	695 Cords	\$ 15.15 / Cord
Red Oak	227 Cords	\$ 22.15 / Cord
White Pine	68 Cords	\$ 11.10 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 8.08 percent. There are an estimated 2,762 cords on this timber sale, plus or minus 223 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 \$4,505.72 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	37.2%
02	25.0%
03	14.8%
04	23.0%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2025.

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
218,199	2,762	8.08%	2,539	2,985

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
92	74,368	941	9.37%	853	1,030
94	143,831	1,821	11.27%	1,615	2,026
TOTAL:	218,199	2,762		2,469	3,056

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
92	36.1	3	14.1
		4	22.0
94	65.1	1	38.9
		2	26.2
TOTAL:	101.2		101.2

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	69.0	MBF	38.9	\$33,486.15
	B. T. Aspen		69.0	MBF		
	Red Maple		74.1	MBF		
	Red Oak		108.6	MBF		
	Black Cherry		9	Cords		
	Mixed Aspen		117	Cords		
	B. T. Aspen		117	Cords		
	Red Maple		305	Cords		
	Red Oak		84	Cords		
	White Pine		15	Cords		
	White Pine		15	Cords		
2	Mixed Aspen	Sawtimber	46.5	MBF	26.2	\$22,572.85
	B. T. Aspen		46.5	MBF		
	Red Maple		50.0	MBF		
	Red Oak		73.2	MBF		
	Black Cherry		6	Cords		
	Mixed Aspen		79	Cords		
	B. T. Aspen		79	Cords		
	Red Maple		205	Cords		
	Red Oak		57	Cords		
	White Pine		10	Cords		
	White Pine		10	Cords		
3	Mixed Aspen	Sawtimber	6.7	MBF	14.1	\$13,312.00
	B. T. Aspen		6.7	MBF		
	Red Maple		17.9	MBF		
	Red Oak		59.8	MBF		
	Red Pine		5.5	MBF		
	White Pine		5.7	MBF		
	Mixed Aspen		32	Cords		
	B. T. Aspen		32	Cords		
	Red Maple		72	Cords		
	Red Oak		34	Cords		
	White Pine		17	Cords		
	Jack Pine		3	Cords		
	Red Pine		2	Cords		
	White Pine		12	Cords		
4	Mixed Aspen	Sawtimber	10.5	MBF	22.0	\$20,743.30
	B. T. Aspen		10.5	MBF		
	Red Maple		27.9	MBF		
	Red Oak		93.4	MBF		
	Red Pine		8.5	MBF		
	White Pine		8.9	MBF		
	Mixed Aspen		49	Cords		
	B. T. Aspen		49	Cords		
	Red Maple		113	Cords		
	Red Oak		52	Cords		
	White Pine		26	Cords		
	Jack Pine		4	Cords		
	Red Pine		4	Cords		
	White Pine		18	Cords		
TOTAL:			666.2	MBF		
TOTAL:			1,282	Cords		

Sale Specific Conditions & Requirements

Sale Name: Grass Lake Oak

Sale Number: 63-016-21 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 yellow and red paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit lines for Payment Units 1 and 2 are marked in yellow. The snowmobile trail will be considered the interior Payment Unit line for Payment Units 3 and 4. The painted boundary line trees are not Included Timber and are to be protected.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1 and 2, cut all trees which meet minimum piece specifications in 2.2 Utilization, except leave all white/red pine 10 inches in diameter and greater and all white oak.

2.1.5 - Overstory removal unit(s) (8/11)

Within Payment Unit(s) 3 and 4, all trees which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except leave all white oak regardless of size and all white pine 15 inches in diameter or greater.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 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

4.1.12 - 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 and road locations. 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

5.2.2 - 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 the Sale Area, 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.

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

The ORV route enters Payment Units 3 and 4 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.

5.2.41 - Snowmobile trail protection (9/11)

The snowmobile trail enters Payment Units 3 and 4 as 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. 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.

5.4 - 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.

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 timber access roads near landing 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.

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on snowmobile trail(see Timber Sale Map) 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 ORV route on south end of Payment Unit 3 and 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.

Forest Management Unit		County	Mapped By	Ventimiglia	Date	Page	of
Cadillac		Missaukee	Cruised By	Ventimiglia	08/06/21	1	1
Township	Range	Section(s) and Subdivision(s)			Scale		
24N	05W	Section 4 and 5			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	38.9	4	22
2	26.2		
3	14.1		

Grass Lake Oak

Compartment 80
101.2 Acres

