



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7619**

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on May 14, 2025.**

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

CONTACT NAME: David Fisher

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:

X-ray Oak (63-019-24) / T24N, R07W, SEC. 3 , NW,SWNE,E1/2SW,W1/2SE.

T24N, R07W, SEC. 4 , NESW,S1/2SW,W1/2SE.

Missaukee County, Advertised Price \$105,521.20, 137.7 Acres, Aspen, Hardwood.

SALE NOTE: 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

X-ray Oak (63-019-24)

T24N, R07W, SEC. 3; T24N, R07W, SEC. 4.
Missaukee County (Advertised Price \$105,521.20)

SALE NOTE: 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		
B. T. Aspen	96.6 MBF	\$ 76.00 / MBF
Mixed Oak	582.7 MBF	\$ 96.00 / MBF
Red Maple	38.1 MBF	\$ 75.00 / MBF
Pulpwood		
B. T. Aspen	156 Cords	\$ 19.60 / Cord
Mixed Hardwood	376 Cords	\$ 14.60 / Cord
Mixed Oak	969 Cords	\$ 31.00 / Cord
Red Pine	6 Cords	\$ 38.10 / Cord
White Pine	26 Cords	\$ 21.85 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.07 percent. There are an estimated 3,218 cords on this timber sale, plus or minus 389 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 \$10,552.12 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	34.0%
02	12.8%
03	34.3%
04	18.9%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2028.

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		PERCENT ERROR	STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
254,220	3,218	12.07%	2,829	3,607

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
42	38,158	483	27.36%	351	615
58	36,255	459	24.68%	346	572
65	134,920	1,708	18.72%	1,388	2,028
87	44,888	568	26.28%	419	718
TOTAL:	254,220	3,218		2,504	3,932

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
42	14.3	1	14.3
58	30.2	2	30.2
65	75.2	3	48.4
65	75.2	4	26.8
87	18.0	1	18.0
TOTAL:	212.9		137.7

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	4.8	MBF	32.3	\$35,874.20
	Mixed Oak		262.8	MBF		
	/Red (Hybrid) Oak		262.8	MBF		
	Red Maple		3.5	MBF		
	B. T. Aspen	Pulpwood	16	Cords		
	Mixed Hardwood		143	Cords		
	Sugar Maple	Sawtimber	6.6	MBF		
	Beech	Pulpwood	4	Cords		
	Ironwood		3	Cords		
	Red Maple		77	Cords		
	Sugar Maple		46	Cords		
	Mixed Oak		220	Cords		
	/Red (Hybrid) Oak		220	Cords		
	Red Pine		6	Cords		
	Red Pine	Sawtimber	1.5	MBF		
	Red Pine	Pulpwood	3	Cords		
	White Pine		26	Cords		
	White Pine	Sawtimber	4.1	MBF		
	White Pine	Pulpwood	18	Cords		
2	B. T. Aspen	Sawtimber	4.0	MBF	30.2	\$13,552.80
	Mixed Oak		6.0	MBF		
	Red Oak		6.0	MBF		
	B. T. Aspen	Pulpwood	38	Cords		
	Mixed Hardwood		25	Cords		
	Red Maple		25	Cords		
	Mixed Oak		373	Cords		
	Red Oak		373	Cords		
3	B. T. Aspen	Sawtimber	56.5	MBF	48.4	\$36,120.10
	Mixed Oak		202.1	MBF		
	/Red (Hybrid) Oak		115.5	MBF		
	Red Oak		86.6	MBF		
	Red Maple		22.3	MBF		
	B. T. Aspen	Pulpwood	66	Cords		
	Mixed Hardwood		134	Cords		
	Red Maple		134	Cords		
	Mixed Oak		242	Cords		
	/Red (Hybrid) Oak		106	Cords		
	Red Oak		136	Cords		
4	B. T. Aspen	Sawtimber	31.3	MBF	26.8	\$19,974.10
	Mixed Oak		111.8	MBF		
	/Red (Hybrid) Oak		63.9	MBF		
	Red Oak		47.9	MBF		
	Red Maple		12.3	MBF		
	B. T. Aspen	Pulpwood	36	Cords		
	Mixed Hardwood		74	Cords		
	Red Maple		74	Cords		
	Mixed Oak		134	Cords		
	/Red (Hybrid) Oak		59	Cords		
	Red Oak		75	Cords		
TOTAL:			717.4	MBF		
TOTAL:			1,533	Cords		

Sale Specific Conditions & Requirements

Sale Name: X-ray Oak

Sale Number: 63-019-24 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 and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

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 oak and other deciduous trees that are two (2) inches or more at DBH. Do not cut any red or white pine, except those needed for operational considerations. This is to be discussed with Sale Administrator prior to cutting any pine.

Within Payment Unit 1, cut all trees that are two (2) inches or more at DBH, regardless of merchantability.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing Payment Units (7/14)

Payment Unit(s) 2-4 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

4.1.12 - 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

5.2 - 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.

5.2.2 - 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 Units 1-4, 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 15 and clearing a tree-length buffer along uncut oak cover before April 15. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

5.2.32 - Decking/Landing Restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

5.2.38 - No Decking Against Live Trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

5.2.39 - ORV Trail/Route Protection (4/18)

There is an ORV trail or route within and around the sale and is shown on the Timber Sale Map. Do not cut trees or damage posts with 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)

There is a snowmobile trail within the Sale Area 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 for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1. 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.

5.4 - 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.

5.8 - Protection of Endangered Species

5.8.5 - Protection of Raptor Nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an onsite evaluation and recommendation can be made, if necessary.

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.

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 ORV Trails and Routes within and associated with Timber Sale 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.

7 - Other Conditions

7.3 - Contract Modifications

7.3.2 - Modification for Oak Wilt (2/05)

Within the Sale Area, there may be patches of oak wilt. If oak wilt is identified within the Sale Area, this contract may be modified. The following modifications could occur: time of cutting, species to cut, volume to harvest, or various others dealing with the treatment of oak wilt. If a species is not specified in this contract, it shall be paid for at the average price received for that species and product.



TIMBER SALE MAP

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

Sale Number
63-019-24

Date
09/18/2024

Forest Management Unit
Cadillac

County
Missaukee

Mapped By: Krugh

Cruised By: Edison/Taylor

Scale
1:20,000

Page
1

Of
1

Township
24N

Range
7W

Section(s) and
Subdivision(s) 3 NW,SWNE,E1/2SW,W1/2SE 4 NESW,S1/2SW,W1/2SE

Cover Type

A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous		Z = Water
H = Hemlock	N = Marsh		

Density

0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

PU # Acres

1	32.2
2	30.2
3	48.4
4	26.9

X-ray Oak

Acres 137.7



Legend

- Against State (Red)
- Stand
- Retention Areas
- Payment Unit (Yellow)
- Recreational Trail
- Paved Road
- Gravel Road
- County Road - Seasonal
- Private Road
- Highway
- Pipeline
- Field Grade Corner
- Survey Grade Corner

