



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7440**

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on June 26, 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:

Hognose Hardwoods (63-020-23) / T24N, R07W, SEC. 29, SESW,S1/2SE.

T24N, R07W, SEC. 32, N1/2NW,SENW,NE,E1/2SW,N1/2SE.

T24N, R07W, SEC. 32, SWSE.

T24N, R07W, SEC. 33, W1/2NW.

Missaukee County, Advertised Price \$401,816.85, 321.2 Acres, Hardwood, Sugar Maple.

TIMBER SALE INFORMATION

Hognose Hardwoods (63-020-23)
 T24N, R07W, SEC. 29; T24N, R07W, SEC. 32; T24N, R07W, SEC. 33.
 Missaukee County (Advertised Price \$401,816.85)

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		
Basswood	642.9 MBF	\$ 126.00 / MBF
Beech	106.5 MBF	\$ 134.00 / MBF
Black Cherry	42.7 MBF	\$ 233.00 / MBF
Quaking Aspen	14.1 MBF	\$ 85.00 / MBF
Red Maple	20.2 MBF	\$ 90.00 / MBF
Red Oak	77.8 MBF	\$ 167.00 / MBF
Sugar Maple	795.3 MBF	\$ 252.00 / MBF
Pulpwood		
Basswood	1,117 Cords	\$ 16.20 / Cord
Mixed Hardwood	2,718 Cords	\$ 21.70 / Cord
Quaking Aspen	15 Cords	\$ 25.35 / Cord
Red Oak	88 Cords	\$ 30.80 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 7.78 percent. There are an estimated 8,128 cords on this timber sale, plus or minus 633 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 \$40,181.69 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	34.8%
02	28.5%
03	17.3%
04	19.4%
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
642,090	8,128	7.78%	7,495	8,761

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
47	642,090	8,128	7.79%	7,495	8,761
TOTAL:	642,090	8,128		7,495	8,761

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
47	321.2	1	111.8
		2	91.5
		3	55.5
		4	62.4
TOTAL:	321.2		321.2

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood Beech Black Cherry Quaking Aspen Red Maple Red Oak Sugar Maple	Sawtimber	223.8	MBF	111.8	\$139,886.15
			37.1	MBF		
			14.8	MBF		
			5.0	MBF		
			7.0	MBF		
			27.1	MBF		
			276.8	MBF		
			389	Cords		
	Basswood Mixed Hardwood <i>Beech</i> <i>Black Cherry</i> <i>Ironwood</i> <i>Red Maple</i> <i>Sugar Maple</i>	Pulpwood	947	Cords		
			137	Cords		
			25	Cords		
			24	Cords		
			13	Cords		
			748	Cords		
			5	Cords		
			31	Cords		
2	Basswood Beech Black Cherry Quaking Aspen Red Maple Red Oak Sugar Maple	Sawtimber	183.1	MBF	91.5	\$114,464.80
			30.3	MBF		
			12.2	MBF		
			4.0	MBF		
			5.8	MBF		
			22.2	MBF		
			226.6	MBF		
			318	Cords		
	Basswood Mixed Hardwood <i>Beech</i> <i>Black Cherry</i> <i>Ironwood</i> <i>Red Maple</i> <i>Sugar Maple</i>	Pulpwood	774	Cords		
			113	Cords		
			20	Cords		
			19	Cords		
			10	Cords		
			612	Cords		
			4	Cords		
			25	Cords		
3	Basswood Beech Black Cherry Quaking Aspen Red Maple Red Oak Sugar Maple	Sawtimber	111.1	MBF	55.5	\$69,411.95
			18.4	MBF		
			7.4	MBF		
			2.4	MBF		
			3.5	MBF		
			13.4	MBF		
			137.4	MBF		
			193	Cords		
	Basswood Mixed Hardwood <i>Beech</i> <i>Black Cherry</i> <i>Ironwood</i> <i>Red Maple</i> <i>Sugar Maple</i>	Pulpwood	469	Cords		
			68	Cords		
			12	Cords		
			12	Cords		
			6	Cords		
			371	Cords		
			3	Cords		
			15	Cords		
4	Basswood Beech Black Cherry Quaking Aspen Red Maple Red Oak Sugar Maple	Sawtimber	124.9	MBF	62.4	\$78,053.95
			20.7	MBF		
			8.3	MBF		
			2.7	MBF		
			3.9	MBF		
			15.1	MBF		
			154.5	MBF		

DESCRIPTION OF TIMBER BY PU (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
4 con't	Basswood	Pulpwood	217	Cords		
	Mixed Hardwood		528	Cords		
	<i>Beech</i>		77	<i>Cords</i>		
	<i>Black Cherry</i>		14	<i>Cords</i>		
	<i>Ironwood</i>		13	<i>Cords</i>		
	<i>Red Maple</i>		7	<i>Cords</i>		
	<i>Sugar Maple</i>		417	<i>Cords</i>		
	Quaking Aspen		3	Cords		
	Red Oak		17	Cords		
TOTAL:			1,699.5	MBF		
TOTAL:			3,938	Cords		

Sale Specific Conditions & Requirements

Sale Name: Hognose Hardwoods

Sale Number: 63-020-23 Seq#: 2

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

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

Within Payment Unit(s) 1-4, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within the regen gaps marked with green paint, cut all trees which meet minimum piece specifications in 2.2 Utilization - Gap locations are shown on the Timber Sale Map.

2.2 - Utilization

2.2.7 - Uncut designated trees (2/04)

Liquidated damages of \$50.00 per tree will be assessed for every marked tree not cut.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 1-4, 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

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic within 30 days of completion of hauling. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Stumps and brush must be placed along the remainder of the trail. These roads must be rendered impassable to cars and trucks. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. These stumps must be scattered along the road system to prohibit vehicular movement. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the Sale Administrator for specific details of design and placement.

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 Unit(s) 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 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.

5.2.32 - 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.

5.4 - 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 on-site 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 Rhoby Rd 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.

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	Year
63 - 20	23

Forest Management Unit	County	Mapped By	Date	Page	of
Cadillac Management Unit	Missaukee	Krugh	09/11/2023	1	1
		Cruised By			
		UMLM			

Township	Range	Section(s) and Subdivision(s)	Scale
24N	07W	29: SESW,S1/2SE 32: SWSE N1/2NW,SENW,NE,E1/2SW,N1/2SE 33: W1/2NW	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	111.8	4	62.4
2	91.5		
3	55.5		

Hognose Hardwoods

Compartment 117

321.2 Acres



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Gaps (Green)
- Recreational Trails
- Primary Forest Road
- == Secondary Forest Road
- == Forest Access Route
- - Gravel Road
- Private
- Temporary Management Access
- Stand Boundaries
- Section Corners

