



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7620**

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on July 23, 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:

Back Side Pine (63-024-24) / T22N, R05W, SEC. 1 , NWNW,SWSW.

T22N, R05W, SEC. 10, SENE,E1/2SE.

T22N, R05W, SEC. 11, NW,W1/2NE,W1/2SW.

T22N, R05W, SEC. 12, NWNW.

T22N, R05W, SEC. 2 , NW,NE,NWSW,S1/2SW,SWSE.

Missaukee County, Advertised Price \$88,969.95, 188.9 Acres, Jack Pine, Red Pine.

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

Back Side Pine (63-024-24)

T22N, R05W, SEC. 1; T22N, R05W, SEC. 10; T22N, R05W, SEC. 11; T22N, R05W, SEC. 12; T22N, R05W, SEC. 2.
Missaukee County (Advertised Price \$88,969.95)

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		
Jack Pine	114.2 MBF	\$ 38.00 / MBF
Red Oak	11.5 MBF	\$ 121.00 / MBF
Red Pine	544.0 MBF	\$ 73.00 / MBF
White Pine	85.6 MBF	\$ 44.00 / MBF
Pulpwood		
Jack Pine	796 Cords	\$ 10.70 / Cord
Mixed Aspen	32 Cords	\$ 16.60 / Cord
Mixed Hardwood	328 Cords	\$ 12.50 / Cord
Mixed Oak	23 Cords	\$ 24.95 / Cord
Norway Spruce	4 Cords	\$ 8.25 / Cord
Red Pine	778 Cords	\$ 31.10 / Cord
Scotch Pine	2 Cords	\$ 11.90 / Cord
White Pine	96 Cords	\$ 18.60 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 13.81 percent. There are an estimated 5,122 cords on this timber sale, plus or minus 708 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 \$8,897.00 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	10.3%
02	60.5%
03	8.2%
04	1.5%
05	19.5%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2028.

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			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
404,602	5,122	13.81%	4,414	5,829

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
15	25,018	317	38.75%	194	439
30	43,639	552	39.41%	335	770
39	52,383	663	27.59%	480	846
41	142,477	1,804	25.30%	1,347	2,260
49	133,375	1,688	27.81%	1,219	2,158
69	7,709	98	69.70%	30	166
TOTAL:	404,602	5,122		3,604	6,639

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
15	59.5	2	59.5
30	31.9	1	31.9
39	35.5	3	35.5
41	40.2	5	40.2
49	16.5	2	16.5
69	5.3	4	5.3
TOTAL:	188.9		188.9

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Jack Pine	Sawtimber	46.2	MBF	31.9	\$9,199.15
	Red Oak		11.5	MBF		
	Red Pine		12.1	MBF		
	White Pine		6.5	MBF		
	Jack Pine	Pulpwood	208	Cords		
	<i>Jack Pine</i>		208	<i>Cords</i>		
	Mixed Hardwood		109	Cords		
	<i>Black Cherry</i>	<i>Sawtimber</i>	5.4	<i>MBF</i>		
	<i>Red Maple</i>		13.1	<i>MBF</i>		
	<i>Black Cherry</i>	<i>Pulpwood</i>	5	<i>Cords</i>		
	<i>Red Maple</i>		67	<i>Cords</i>		
	Mixed Oak		23	Cords		
	<i>/Red (Hybrid) Oak</i>		6	<i>Cords</i>		
	<i>Red Oak</i>		17	<i>Cords</i>		
	Red Pine		16	Cords		
	<i>Red Pine</i>		16	<i>Cords</i>		
	White Pine		12	Cords		
	<i>White Pine</i>		12	<i>Cords</i>		
2	Jack Pine	Pulpwood	129	Cords	76.0	\$48,568.40
	<i>Jack Pine</i>	<i>Sawtimber</i>	6.1	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	117	<i>Cords</i>		
	Mixed Aspen		10	Cords		
	<i>Quaking Aspen</i>	<i>Sawtimber</i>	1.3	<i>MBF</i>		
	<i>Quaking Aspen</i>	<i>Pulpwood</i>	7	<i>Cords</i>		
	Mixed Hardwood		113	Cords		
	<i>Black Cherry</i>	<i>Sawtimber</i>	16.5	<i>MBF</i>		
	<i>Black Cherry</i>	<i>Pulpwood</i>	78	<i>Cords</i>		
	<i>Red Maple</i>		2	<i>Cords</i>		
	Red Pine		1,326	Cords		
	<i>Red Pine</i>	<i>Sawtimber</i>	440.6	<i>MBF</i>		
	<i>Red Pine</i>	<i>Pulpwood</i>	445	<i>Cords</i>		
	White Pine		235	Cords		
	<i>White Pine</i>	<i>Sawtimber</i>	91.1	<i>MBF</i>		
	<i>White Pine</i>	<i>Pulpwood</i>	53	<i>Cords</i>		
3	Jack Pine	Sawtimber	48.8	MBF	35.5	\$7,252.80
	Jack Pine	Pulpwood	426	Cords		
	<i>Jack Pine</i>		426	<i>Cords</i>		
	Mixed Aspen		22	Cords		
	<i>Quaking Aspen</i>	<i>Sawtimber</i>	7.9	<i>MBF</i>		
	<i>Quaking Aspen</i>	<i>Pulpwood</i>	6	<i>Cords</i>		
	Mixed Hardwood		38	Cords		
	<i>Black Cherry</i>	<i>Sawtimber</i>	1.9	<i>MBF</i>		
	<i>Black Cherry</i>	<i>Pulpwood</i>	9	<i>Cords</i>		
	<i>Red Maple</i>		25	<i>Cords</i>		
4	Jack Pine	Sawtimber	19.2	MBF	5.3	\$1,331.00
	Jack Pine	Pulpwood	27	Cords		
	<i>Jack Pine</i>		27	<i>Cords</i>		
	Mixed Hardwood		25	Cords		
	<i>Red Maple</i>		25	<i>Cords</i>		
5	Red Pine	Sawtimber	94.0	MBF	40.2	\$17,352.90
	White Pine		0.4	MBF		
	Jack Pine	Pulpwood	6	Cords		
	<i>Jack Pine</i>		6	<i>Cords</i>		
	Mixed Hardwood		43	Cords		
	<i>Black Cherry</i>	<i>Sawtimber</i>	6.2	<i>MBF</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	<i>Black Cherry</i>	<i>Pulpwood</i>	<i>31</i>	<i>Cords</i>		
	Norway Spruce		4	Cords		
	<i>Norway Spruce</i>	<i>Sawtimber</i>	<i>1.3</i>	<i>MBF</i>		
	<i>Norway Spruce</i>	<i>Pulpwood</i>	<i>1</i>	<i>Cords</i>		
	Red Pine		312	Cords		
	<i>Red Pine</i>		<i>312</i>	<i>Cords</i>		
	Scotch Pine		2	Cords		
	<i>Scotch Pine</i>	<i>Sawtimber</i>	<i>0.3</i>	<i>MBF</i>		
	<i>Scotch Pine</i>	<i>Pulpwood</i>	<i>1</i>	<i>Cords</i>		
	White Pine		6	Cords		
	<i>White Pine</i>		<i>6</i>	<i>Cords</i>		
TOTAL:			238.7	MBF		
TOTAL:			3,092	Cords		

Sale Specific Conditions & Requirements

Sale Name: Back Side Pine

Sale Number: 63-024-24 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 green paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with green paint. The painted boundary line trees are not Included Timber and are to be protected. Green 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) 1-4, cut all trees that are two (2) inches or more at DBH. Within Payment Unit 4, do not cut red or white pine that are 13 inches or more at DBH.

2.1.8 - Designated Plantation Row Unit(s) (12/08)

Within Payment Unit(s) 5, all trees which meet minimum piece specifications in 2.2 Utilization, within designated plantation rows are designated for cutting. Designated plantation rows are every third row. Begin with the third row in from the outside of the plantation, then continue every third row. Because of the variability of row direction, it shall be the responsibility of the Purchaser to maintain the third-row sequence.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing Payment Units (7/14)

Payment Unit(s) 1-5 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

4.1.1 - Stream crossings, general (3/11)

All stream crossing structures will be temporary and therefore, shall be provided by the Purchaser, and must be removed upon completion of the sale. All permits for stream crossings will be provided by the DNR.

4.1.6 - Road Construction (4/24)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge.

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 six (6') foot high berm of stumps and logs covered with earth. Stumps and brush must be placed along the remainder of the trail. Berms may also be placed at intervals of not over 50 feet and at all junctions. 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.

4.1.8 - Road Work (1) (8/07)

The following road work is required: Fill and 12a stone (cap) within large blowout areas are required to access Payment Units 3 and 4.

4.1.9 - Road Work (2) (12/08)

On the Payment Unit 3 and 4 access road, the Purchaser must ditch and crown a half (1/2) mile portion of this road as designated by the Sale Administrator, before any gravel is placed. A final grading on this portion of the road must be done when hauling is complete. The Purchaser is required to purchase and spread 20 cu. yards of pit run gravel with maximum stone size of 6 inches in diameter. The Purchaser is required to purchase and spread 10 cu. yards of 23A crushed gravel. Gravel placement will be as designated by the Sale Administrator.

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 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

5.2.3.1 - Operating Restrictions (9/11)

Within Payment Unit(s) 1-5, unless changed by agreement with Unit Manager or their representative, cutting, skidding, and hauling are limited to frozen winter ground or dry summer. This restriction is wet ground conditions.

5.2.3.3 - Bark Slippage Restriction (3/09)

Within Payment Unit(s) 5, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

5.2.4 - Dead and Down Creation

5.2.4.5 - Dead and Down Creation, Reptiles and Amphibians (2/05)

To encourage reptiles and amphibians, within Payment Unit(s) 4, leave one, 14-inch DBH or more full-length tree on the ground, with the top still intact, for every 5 acres. These trees shall be evenly scattered throughout the Payment Unit(s) and identified by blue flagging.

5.2.17 - Timber Mats and Interlocking Composite Mats (5/23)

Some roads or skid trails may require extra protection such as that afforded by timber mats, interlocking composite mats, or another approved system. Approximately 40 feet of road or trail will need extra protection at locations shown on the Timber Sale Map. If available, mats may be borrowed from the DNR. A Timber Sale Contract Amendment will be used to document the Purchaser's use of the DNR's mats. Contact the Sale Administrator regarding availability and pick-up. Timber mats are available from various field offices. Composite mats are only available from the Grayling field office and the Marquette ICC. The Purchaser is responsible for picking up and hauling the mats to and from the site. The composite mats will require DNR staff onsite for installation and removal. Contact the Sale Administrator to schedule at least 30 days before desired install/removal date. All mats must be cleaned prior to drop off. This may include, but is not limited to, power washing and brushing to remove mud and debris. A charge of \$700.00 per timber mat and \$2,000.00 per composite mat will be assessed for all damaged or non-returned mats. Damage for the crane/timber mats is defined as three or more broken cants. Damage for the composite mats is defined as cracked or broken mats.

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.

5.2.41 - Snowmobile Trail Protection (9/11)

A snowmobile trail 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, it must be maintained and restored to a condition equal to or better than before the sale. The road maintenance/restoration must be done prior to December 1. 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. 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.

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 forest and county or state roads adjoining any Payment Unit 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 the 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.

7 - Other Conditions

7.2 - Extensions

7.2.5 - Weather-Related Extension (1/13)

If weather conditions during the operating period of this contract prevent harvesting, this sale may qualify for a weather-related extension. If approved, the normal extension fee would be waived. To qualify, there must be a documented attempt each year to harvest in the difficult portion of the sale.



TIMBER SALE MAP

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

Sale Number
63-024-24

Date
09/13/2024

Forest Management Unit
Cadillac

County
Missaukee

Mapped By: Krugh

Cruised By: Manton FO

Scale
1:20,000

Page
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Of
1

Township 22N Range 5W Section(s) and Subdivision(s) 1 NWNW,SWSW 2 NW,NE,NWSW,S1/2SW,SWSE 10 SENE,E1/2SE 11 NW,W1/2NE,W1/2SW 12 NWNW

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

Backside Pine
Acres 188.9

