



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7421**

SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on May 22, 2024.

LOCATION: SHINGLETON MGMT UNIT, PO BOX 67, M 28 WEST, SHINGLETON, MI 49884.

CONTACT NAME: Robert Burnham

PHONE NUMBER: (906) 420-1645

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, SHINGLETON MANAGEMENT UNIT, for certain timber on the following described lands:

Million Dollar Hardwood (41-013-23) / T46N, R17W, SEC. 12, SENE,SW,NWSE.

T46N, R17W, SEC. 13, NENW,S1/2NW,NE,SW,N1/2SE.

Alger County, Advertised Price \$175,688.55, 284.6 Acres, Hardwood, Sugar Maple.

SALE NOTE: Within Payment Units 1-9, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15 because of bark slippage.

It is recommended, but not required, that within Payment Units 10 & 11, harvesting occur during dry summer or frozen winter conditions because of the saturated soils.

TIMBER SALE INFORMATION

Million Dollar Hardwood (41-013-23)

T46N, R17W, SEC. 12; T46N, R17W, SEC. 13.

Alger County (Advertised Price \$175,688.55)

SALE NOTE: Within Payment Units 1-9, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15 because of bark slippage.

It is recommended, but not required, that within Payment Units 10 & 11, harvesting occur during dry summer or frozen winter conditions because of the saturated soils.

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	48.7 MBF	\$ 119.00 / MBF
Black Cherry	1.7 MBF	\$ 98.00 / MBF
Red Maple	8.2 MBF	\$ 87.00 / MBF
Sugar Maple	384.5 MBF	\$ 349.00 / MBF
Pulpwood		
Balsam Fir	13 Cords	\$ 13.50 / Cord
Basswood	37 Cords	\$ 8.10 / Cord
Black Spruce	72 Cords	\$ 17.90 / Cord
Mixed Hardwood	1,409 Cords	\$ 22.25 / Cord
N. White Cedar	135 Cords	\$ 6.70 / Cord
Paper Birch	5 Cords	\$ 13.55 / Cord
White Pine	31 Cords	\$ 23.75 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 11.45 percent. There are an estimated 2,884 cords on this timber sale, plus or minus 330 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 \$8,784.43 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	6.0%
02	12.2%
03	9.2%
04	10.4%
05	11.6%
06	8.3%
07	7.3%
08	17.6%
09	13.1%
10	1.1%
11	3.2%

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			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
227,809	2,884	11.45%	2,553	3,214

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
1	178,612	2,261	10.10%	2,032	2,489
2	12,183	154	16.93%	128	180
3	37,014	469	27.00%	342	595
TOTAL:	227,809	2,884		2,503	3,265

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
1	249.2	1	15.6
		2	31.7
		3	24.1
		4	27.1
		5	30.1
		6	21.7
		7	19.0
		8	45.8
		9	34.1
2	13.3	10	13.3
3	22.1	11	22.1
TOTAL:	284.6		284.6

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	3.0	MBF	15.6	\$10,506.15
	Black Cherry		0.1	MBF		
	Red Maple		0.5	MBF		
	Sugar Maple		24.1	MBF		
	Basswood	Pulpwood	2	Cords		
	Mixed Hardwood		75	Cords		
	<i>Beech</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		3	<i>Cords</i>		
	<i>Sugar Maple</i>		71	<i>Cords</i>		
2	Basswood	Sawtimber	6.2	MBF	31.7	\$21,377.50
	Black Cherry		0.2	MBF		
	Red Maple		1.0	MBF		
	Sugar Maple		48.9	MBF		
	Basswood	Pulpwood	5	Cords		
	Mixed Hardwood		154	Cords		
	<i>American Elm</i>		1	<i>Cords</i>		
	<i>Beech</i>		3	<i>Cords</i>		
	<i>Black Cherry</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		5	<i>Cords</i>		
	<i>Sugar Maple</i>		144	<i>Cords</i>		
3	Basswood	Sawtimber	4.7	MBF	24.1	\$16,222.45
	Black Cherry		0.2	MBF		
	Red Maple		0.8	MBF		
	Sugar Maple		37.2	MBF		
	Basswood	Pulpwood	4	Cords		
	Mixed Hardwood		115	Cords		
	<i>Beech</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		4	<i>Cords</i>		
	<i>Sugar Maple</i>		109	<i>Cords</i>		
4	Basswood	Sawtimber	5.3	MBF	27.1	\$18,286.20
	Black Cherry		0.2	MBF		
	Red Maple		0.9	MBF		
	Sugar Maple		41.8	MBF		
	Basswood	Pulpwood	4	Cords		
	Mixed Hardwood		132	Cords		
	<i>American Elm</i>		1	<i>Cords</i>		
	<i>Beech</i>		2	<i>Cords</i>		
	<i>Black Cherry</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		5	<i>Cords</i>		
	<i>Sugar Maple</i>		123	<i>Cords</i>		
5	Basswood	Sawtimber	5.9	MBF	30.1	\$20,305.45
	Black Cherry		0.2	MBF		
	Red Maple		1.0	MBF		
	Sugar Maple		46.4	MBF		
	Basswood	Pulpwood	4	Cords		
	Mixed Hardwood		147	Cords		
	<i>American Elm</i>		1	<i>Cords</i>		
	<i>Beech</i>		3	<i>Cords</i>		
	<i>Black Cherry</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		5	<i>Cords</i>		
	<i>Sugar Maple</i>		137	<i>Cords</i>		
6	Basswood	Sawtimber	4.2	MBF	21.7	\$14,600.30
	Black Cherry		0.1	MBF		
	Red Maple		0.7	MBF		
	Sugar Maple		33.5	MBF		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
6 con't	Basswood Mixed Hardwood <i>Beech</i> <i>Red Maple</i> <i>Sugar Maple</i>	Pulpwood	3 104 2 4 98	Cords Cords <i>Cords</i> <i>Cords</i> <i>Cords</i>		
7	Basswood Black Cherry Red Maple Sugar Maple Basswood Mixed Hardwood <i>Beech</i> <i>Red Maple</i> <i>Sugar Maple</i>	Sawtimber Pulpwood	3.7 0.1 0.6 29.3 3 91 2 3 86	MBF MBF MBF MBF Cords Cords <i>Cords</i> <i>Cords</i> <i>Cords</i>	19.0	\$12,777.05
8	Basswood Black Cherry Red Maple Sugar Maple Basswood Mixed Hardwood <i>American Elm</i> <i>Beech</i> <i>Black Cherry</i> <i>Red Maple</i> <i>Sugar Maple</i>	Sawtimber Pulpwood	9.0 0.4 1.6 70.7 7 222 1 4 1 8 208	MBF MBF MBF MBF Cords Cords <i>Cords</i> <i>Cords</i> <i>Cords</i> <i>Cords</i> <i>Cords</i>	45.8	\$30,919.90
9	Basswood Black Cherry Red Maple Sugar Maple Basswood Mixed Hardwood <i>American Elm</i> <i>Beech</i> <i>Black Cherry</i> <i>Red Maple</i> <i>Sugar Maple</i>	Sawtimber Pulpwood	6.7 0.2 1.1 52.6 5 166 1 3 1 6 155	MBF MBF MBF MBF Cords Cords <i>Cords</i> <i>Cords</i> <i>Cords</i> <i>Cords</i> <i>Cords</i>	34.1	\$23,004.00
10	Balsam Fir Mixed Hardwood <i>Red Maple</i> N. White Cedar Paper Birch	Pulpwood	6 60 60 80 5	Cords Cords <i>Cords</i> Cords Cords	13.3	\$2,019.75
11	Balsam Fir Black Spruce Mixed Hardwood <i>Red Maple</i> <i>Yellow Birch</i> N. White Cedar White Pine	Pulpwood	7 72 143 123 20 55 31	Cords Cords Cords <i>Cords</i> <i>Cords</i> Cords Cords	22.1	\$5,669.80
TOTAL:			443.1	MBF		
TOTAL:			1,702	Cords		

Sale Specific Conditions & Requirements

Sale Name: Million Dollar Hardwood

Sale Number: 41-013-23 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 blue, red and yellow paint. Exterior sale boundary lines against private property are marked with blue 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

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

Within Payment Unit(s) 10 & 11, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut any hemlock, trees marked with green paint or areas excluded with green paint. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

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

Within Payment Unit(s) 1-9, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) that are \$20,000 or greater in value 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.

3.4 - Damaged Timber

3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are hemlock. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$100 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

4 - Transportation

4.1 - Construction

4.1.3 - Slash and earthen piles (8/04)

Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road maintenance or construction, including stumps, shall be dispersed throughout the sale.

4.1.6 - Road construction (1/09)

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. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. 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. Contact the Sale Administrator for specific details of design and placement.

4.2 - Maintenance

4.2.2 - Fill material (4/07)

To maintain roads, fill material may be needed in areas where "holes" exist or may be expected to develop. This fill material should be placed before trucking begins.

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

5 - Operations

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

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1-9, 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.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 10 & 11, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because of the saturated soils present within the Payment Units.

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.

5.8 - Protection of Endangered Species

5.8.3 - Red shoulder hawk or goshawk (1) (2/16)

In the event that an active red shoulder hawk or goshawk nest is found, the contract may be amended to protect the nest site until the nest is determined to be inactive. The value of the trees in this excluded area will be refunded or credited to the Purchaser. The nest will be buffered with a five-chain radius (eight acre) protection area, centered on the nest tree, in which there will be no cutting or new roads constructed. Avoid human disturbance, including loading and skidding, in the protection area.

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from April 1 to July 30. Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests

determined to be inactive will be protected with a one-chain no-harvest buffer.

**TIMBER SALE MAP**

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

Forest Management Unit		County	Mapped By: Kentner	Scale 1:20,000	Page 1	Of 1
Shingleton Mgt Unit		Alger	Cruised By: UMLM			
Township 46N	Range 17W	Section(s) and Subdivision(s) Sec. 12 SENE,SW,NWSE; Sec. 13 NENW,S1/2NW,NE,SW,N1/2SE;				

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

Million Dollar Hardwood**284.6 Acres**