



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7543**

SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on December 18, 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:

February Marking Mix (41-009-24) / T43N, R14W, SEC. 33, E1/2NW,SWNE,N1/2SW,SWSW.

T43N, R14W, SEC. 33, N1/2SE,SWSE.

T43N, R14W, SEC. 34, NWSW.

Schoolcraft County, Advertised Price \$44,176.75, 73.0 Acres, Hardwood, Sugar Maple.

SALE NOTE: Note that cedar & hemlock may need to be cut for operability in Unit 3. See Sale Spec 2.1.11 for additional information.

Roads may require the installation of culverts for cross drainage or at natural drainage-ways. If culverts are needed, their placement will be specified by the Sale Administrator, and they shall be installed prior to hauling. See Sale Spec 4.1.5 for details.

The County must be contacted prior to crossing or harvesting in the County Road R-O-W. This applies to Payment Units 3 & 4 and River Road.

It is the Purchaser's responsibility to obtain access across private land for any routes other than the route shown on the Timber Sale Map.

Within Payment Unit(s) 1, 2, and 3, harvesting is limited to the period of December 1 to April 30. Payment Unit 4 will be limited to the period of October 1 to April 30. These Units are located with a deer yard.

Some roads or skid trails may require extra protection such as timber mats. See Sale spec 5.2.17 for info.

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

February Marking Mix (41-009-24)
T43N, R14W, SEC. 33; T43N, R14W, SEC. 34.
Schoolcraft County (Advertised Price \$44,176.75)

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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		
American Elm	1.3 MBF	\$ 41.00 / MBF
Paper Birch	3.0 MBF	\$ 27.00 / MBF
Red Maple	75.5 MBF	\$ 70.00 / MBF
Sugar Maple	88.7 MBF	\$ 242.00 / MBF
Yellow Birch	10.6 MBF	\$ 49.00 / MBF
Pulpwood		
Balsam Fir	36 Cords	\$ 7.65 / Cord
Mixed Aspen	14 Cords	\$ 17.85 / Cord
Mixed Hardwood	1,094 Cords	\$ 14.80 / Cord
Mixed Spruce	1 Cords	\$ 9.25 / Cord
Paper Birch	7 Cords	\$ 6.70 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 29.35 percent. There are an estimated 1,572 cords on this timber sale, plus or minus 461 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 \$2,208.84 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	17.3%
02	46.5%
03	26.9%
04	9.3%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2029.

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
124,191	1,572	29.35%	1,111	2,033

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.

VDU	VOLUME		PERCENT ERROR	RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
1	62,630	793	26.80%	580	1,005
3	49,176	622	29.30%	440	805
4	12,385	157	36.26%	100	214
TOTAL:	124,191	1,572		1,120	2,024

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	39.7	1	10.8
		2	28.9
3	18.5	3	18.5
4	14.8	4	14.8
TOTAL:	73.0		73.0

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	American Elm	Sawtimber	0.4	MBF	10.8	\$7,645.35
	Red Maple		2.1	MBF		
	Sugar Maple		21.4	MBF		
	Balsam Fir	Pulpwood	7	Cords		
	Mixed Hardwood		152	Cords		
	<i>American Elm</i>		4	<i>Cords</i>		
	<i>Red Maple</i>		43	<i>Cords</i>		
	<i>Sugar Maple</i>		105	<i>Cords</i>		
2	American Elm	Sawtimber	0.9	MBF	28.9	\$20,539.40
	Red Maple		5.8	MBF		
	Sugar Maple		57.4	MBF		
	Balsam Fir	Pulpwood	18	Cords		
	Mixed Hardwood		410	Cords		
	<i>American Elm</i>		12	<i>Cords</i>		
	<i>Red Maple</i>		116	<i>Cords</i>		
	<i>Sugar Maple</i>		282	<i>Cords</i>		
3	Paper Birch	Sawtimber	3.0	MBF	18.5	\$11,863.70
	Red Maple		67.6	MBF		
	Sugar Maple		1.2	MBF		
	Yellow Birch		10.6	MBF		
	Balsam Fir	Pulpwood	9	Cords		
	Mixed Aspen		6	Cords		
	<i>B. T. Aspen</i>		6	<i>Cords</i>		
	Mixed Hardwood		406	Cords		
	<i>Red Maple</i>		330	<i>Cords</i>		
	<i>Sugar Maple</i>		1	<i>Cords</i>		
	<i>Yellow Birch</i>		75	<i>Cords</i>		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	<i>Cords</i>		
	Paper Birch		7	Cords		
4	Sugar Maple	Sawtimber	8.7	MBF	14.8	\$4,128.30
	Balsam Fir	Pulpwood	2	Cords		
	Mixed Aspen		8	Cords		
	<i>B. T. Aspen</i>		8	<i>Cords</i>		
	Mixed Hardwood		126	Cords		
	<i>Red Maple</i>		15	<i>Cords</i>		
	<i>Sugar Maple</i>		100	<i>Cords</i>		
	<i>White Ash</i>		4	<i>Cords</i>		
	<i>Yellow Birch</i>		7	<i>Cords</i>		
TOTAL:			179.1	MBF		
TOTAL:			1,152	Cords		

Sale Specific Conditions & Requirements

Sale Name: February Marking Mix

Sale Number: 41-009-24 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 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) 3, cut all trees which meet minimum piece specifications in 2.2 Utilization except do not cut hemlock, cedar or trees marked with green paint.

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

Within Payment Unit(s) 4, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.1.7 - Leave tree marked unit(s) (6/14)

Within Payment Unit(s) 1 and 2, all trees which meet minimum piece specifications in 2.2 Utilization, are designated for cutting except do not cut cedar, hemlock, oak or trees marked with green paint above and below stump height.

2.1.11 - Description of timber note (2/04)

Note that cedar and hemlock may need to be cut for operability in Payment Unit 3. If cedar and hemlock must be cut, they need to be decked separately for scaling and will be billed at \$70 per cord.

2.2 - Utilization

2.2.10 - No chipping tops and limbs (8/16)

Within Payment Unit(s) 1 - 4, chipping of limbs or tops is not permitted. Limbs and the remaining top must be left on site and scattered.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) with a value greater than \$20,000 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

4.1.3 - 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.

4.1.5 - Culverts (5/14)

Roads may require the installation of culverts for cross drainage or at natural drainage-ways. If culverts are needed in these locations, their placement will be specified by the Sale Administrator and they shall be installed prior to hauling. The culverts

shall be new, corrugated metal. Culverts will be a minimum of 18 inches in diameter and 24 feet in length. If culverts are removed, fill shall be removed from wetland soils as specified. Soils shall be maintained and left in a non-erodible condition, with water bars, seed, fertilizer, mulch, and slash installed as directed by the Sale Administrator and as specified in the BMP manual. Stream crossing permits, if needed, will be obtained by the DNR.

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. 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.

4.3 - Public Right-of-Way

4.3.2 - County R-O-W (12/06)

The county must be contacted prior to crossing or harvesting in the county road R-O-W. This applies to Payment Units 3 and 4, and River Road.

4.4 - Access

4.4.2 - Alternate route on private property (2/04)

It is the Purchaser's responsibility to obtain access across private land for any routes other than the route shown on the Timber Sale Map.

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

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1, 2, and 3, unless changed by written agreement, cutting, skidding, and hauling are limited to the period of December 1 to April 30. Payment Unit 4 will be limited to the period of October 1 to April 30. This restriction is because these Payment Units are within a deer yard.

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. 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.

5.4 - Soil Protection

5.4.6 - Wet area protection (5/10)

No harvesting operations, including skidding and felling, are to take place within drainages or vernal ponds. When harvesting occurs, there should be no disturbance to vernal pond depressions. All equipment, trees and tops should be kept out of this area. Care must be taken by the Purchaser to identify and avoid operating in these areas of the timber sale.

5.4.7 - Rutting restriction, Riparian Management Zone (RMZ) (1/09)

Within the Riparian Management Zone (RMZ) which are adjacent rivers and streams, operations are to cease immediately if equipment and weather conditions result in rutting of roads and skid trails which is 6 inches or greater in depth and 25 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

5.8.3 - 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.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Trail 421 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.



TIMBER SALE MAP

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

Sale Number
41-009-24

Date
03/22/2024

Forest Management Unit
Shingleton Mgt Unit

County
Schoolcraft

Mapped By: S.Clark
Cruised By: Burnis, Clark, Petrelus

Scale
1:15,840

Page
1

Of
1

Township 43N Range 14W Section(s) and Subdivision(s) Sec. 33 E1/2NW,SWNE,N1/2SW,SWSW; Sec. 33 N1/2SE,SWSE; Sec. 34 NWSW;

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		

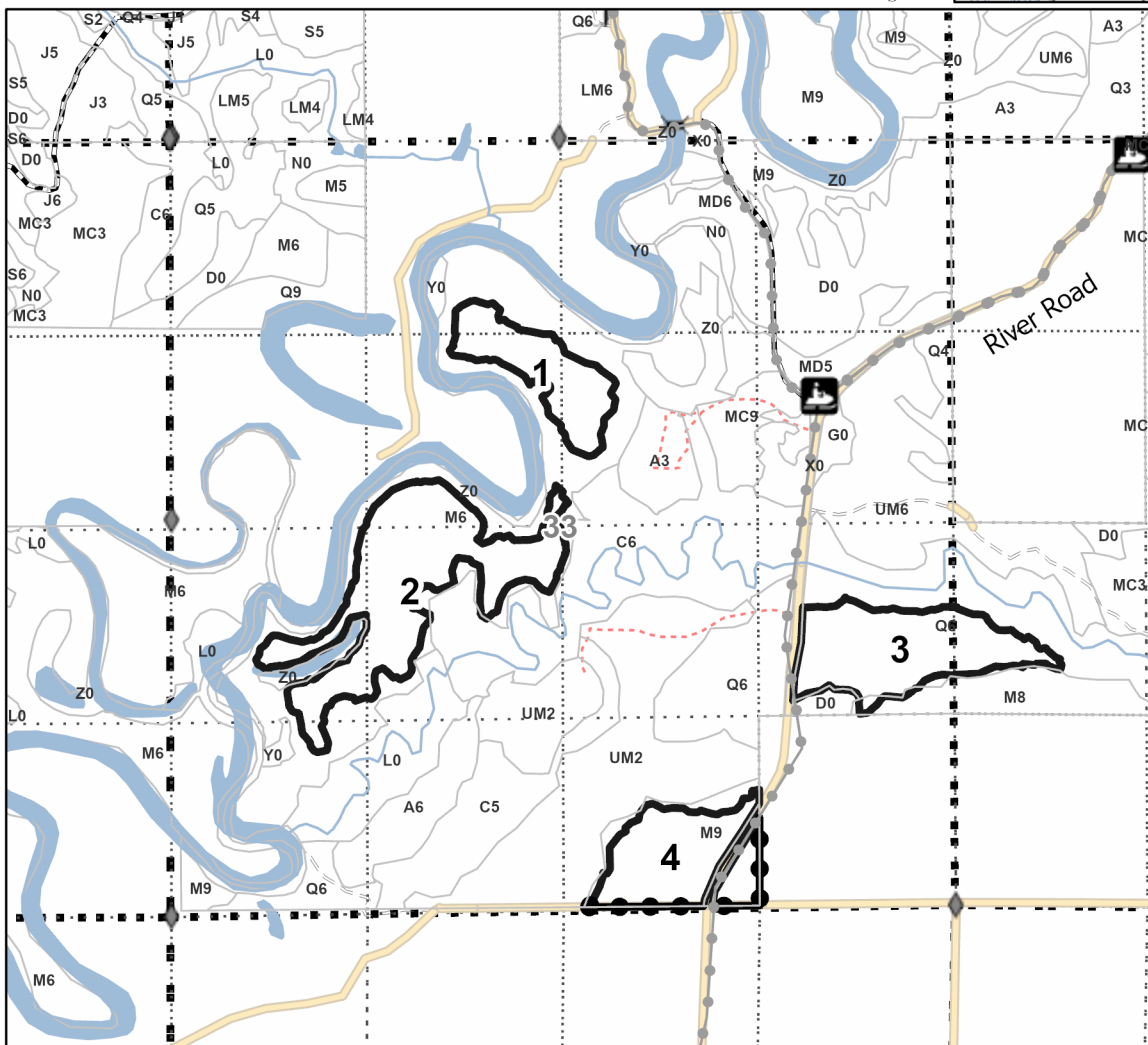
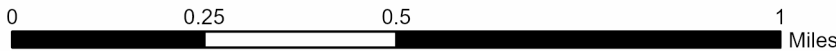
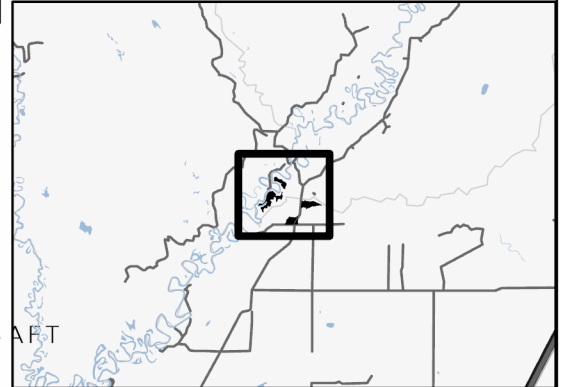
Density

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	10.8
2	28.9
3	18.5
4	14.8

February Marking Mix 73.0 Acres

Locator Map (1:200,000)



Legend

- Against State (Red)
- Private Line (Blue)
- Sections
- Stand
- Recreational Trail
- Primary Forest Road
- Forest Access Route
- Administrative Access Only
- Non-DNR Road
- Survey Corner
- Bridge
- Culvert

Use QR Code to open Map in App

