



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7544**

SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on January 8, 2025.

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:

Four Buck No Luck 2 (41-005-24) / T41N, R17W, SEC. 1 , SW,W1/2SE.
T41N, R17W, SEC. 12, NENW,NWNE.

Schoolcraft County, Advertised Price \$80,884.50, 72.0 Acres, Aspen, Hardwood.

SALE NOTE: Within Payment Unit(s) 1-3, all wood must be removed by whole tree, tree segment, or roundwood. No chipping is permitted.

Within Payment Unit(s) 1-3, harvesting is limited to the period of October 1 to March 31 to enhance the deer wintering complex.

Within Payment Unit 1, specialized equipment may be required to satisfy cutting specification of beech greater than 10 feet tall.

Snowmobile Trail 7 is shown on the Timber Sale Map. See Sale Spec 5.2.41 for restrictions.

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

Four Buck No Luck 2 (41-005-24)
T41N, R17W, SEC. 1; T41N, R17W, SEC. 12.
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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		
Black Cherry	20.1 MBF	\$ 74.00 / MBF
Paper Birch	4.0 MBF	\$ 37.00 / MBF
Red Maple	102.5 MBF	\$ 95.00 / MBF
Sugar Maple	79.9 MBF	\$ 330.00 / MBF
Pulpwood		
Balsam Fir	56 Cords	\$ 10.45 / Cord
Mixed Aspen	1,044 Cords	\$ 24.30 / Cord
Mixed Hardwood	851 Cords	\$ 20.20 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 22.90 percent. There are an estimated 2,433 cords on this timber sale, plus or minus 557 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 \$4,044.23 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	43.4%
02	37.0%
03	19.6%
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
192,201	2,433	22.90%	1,876	2,990

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	48,367	612	25.20%	458	767
2	53,338	675	30.74%	468	883
3	73,931	936	25.29%	699	1,173
4	16,564	210	63.48%	77	343
TOTAL:	192,201	2,433		1,701	3,165

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	23.4	1	23.2
		3	0.2
2	18.6	2	18.2
		3	0.4
3	22.9	1	0.1
		2	9.9
		3	12.9
4	7.1	2	4.0
		3	3.1
TOTAL:	72.0		72.0

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black Cherry	Sawtimber	1.9	MBF	23.3	\$35,080.20
	Red Maple		27.3	MBF		
	Sugar Maple		75.7	MBF		
	Mixed Aspen	Pulpwood	3	Cords		
	<i>Quaking Aspen</i>		3	<i>Cords</i>		
	Mixed Hardwood		361	Cords		
	<i>Beech</i>		37	<i>Cords</i>		
	<i>Black Cherry</i>		10	<i>Cords</i>		
	<i>Red Maple</i>		83	<i>Cords</i>		
	<i>Sugar Maple</i>		231	<i>Cords</i>		
	2		Black Cherry	Sawtimber		
Paper Birch		3.9	MBF			
Red Maple		66.8	MBF			
Sugar Maple		1.9	MBF			
Balsam Fir		Pulpwood	48	Cords		
Mixed Aspen			590	Cords		
<i>B. T. Aspen</i>			7	<i>Cords</i>		
<i>Balsam Poplar</i>			4	<i>Cords</i>		
<i>Quaking Aspen</i>			579	<i>Cords</i>		
Mixed Hardwood			350	Cords		
<i>Black Cherry</i>			58	<i>Cords</i>		
<i>Paper Birch</i>			7	<i>Cords</i>		
<i>Red Maple</i>			242	<i>Cords</i>		
<i>Sugar Maple</i>			36	<i>Cords</i>		
<i>Yellow Birch</i>			7	<i>Cords</i>		
3	Black Cherry		Sawtimber	6.1	MBF	16.6
	Paper Birch	0.1		MBF		
	Red Maple	8.4		MBF		
	Sugar Maple	2.3	MBF			
	Balsam Fir	Pulpwood	8	Cords		
	Mixed Aspen		451	Cords		
	<i>B. T. Aspen</i>		10	<i>Cords</i>		
	<i>Quaking Aspen</i>		441	<i>Cords</i>		
	Mixed Hardwood		140	Cords		
	<i>Black Cherry</i>		52	<i>Cords</i>		
	<i>Red Maple</i>		52	<i>Cords</i>		
<i>Sugar Maple</i>	34		<i>Cords</i>			
<i>Yellow Birch</i>	2	<i>Cords</i>				
TOTAL:			206.5	MBF		
TOTAL:			1,951	Cords		

Sale Specific Conditions & Requirements

Sale Name: Four Buck No Luck 2

Sale Number: 41-005-24 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. 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 and 3, cut all hardwood trees that are two (2) inches or more at DBH, except do not cut oak. In addition, cut all conifer species that meet minimum merchantability requirements in General Specification 2.2 Utilization, except do not cut cedar or hemlock. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

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

Within Payment Unit(s) 1, all trees, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except do not cut hemlock, oak, cedar, or trees marked with green paint above and below stump height. In addition, all beech greater than 10 feet in height must be harvested, regardless of merchantability. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

2.2 - Utilization

2.2.9 - No chipping permitted (12/08)

Within Payment Unit(s) 1-3, all wood must be removed by whole tree, tree segment, or roundwood. No chipping is permitted.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) with a value over \$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. There will be only one division per Payment Unit.

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, equipment operation within previously designated regeneration gaps located within Payment Units 1 and 2 should be avoided. For details on these specific locations contact Sale Administrator.

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 and oak. 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. Berms must also be placed at intervals of not over 100 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. Contact the Sale Administrator for specific details of design and placement.

4.2 - Maintenance

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. 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

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1-3, unless changed by written agreement, cutting, skidding, and hauling are limited to the period of October 1 to March 31. This restriction is to enhance the deer wintering complex.

5.2.4 - Dead and Down Creation

5.2.4.4 - Dead and down creation, grouse (6/18)

To encourage grouse and other wildlife, in Payment Unit(s) 2 and 3, leave one, 8" diameter or larger log-length (8 foot minimum) piece on the ground for every 1 acre. These will be evenly scattered throughout the Payment Unit.

5.2.18 - Equipment requirements (1/09)

Within Payment Unit 1, specialized equipment may be required to satisfy cutting specification of beech greater than 10 feet tall.

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.

5.2.41 - Snowmobile trail protection (9/11)

Snowmobile Trail 7 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 between October 1 and December 1, it must be graded to the satisfaction of the Unit

Manager or his/her representative prior to December 1st. The snowmobile trail may not be used for any timber sale operations from December 1 to March 31.

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.

Sale Number

41-005-24

Date

10/26/2023

Forest Management Unit

County

Mapped By: Petrelius

Scale

Page

Of

Shingleton Mgt Unit

Schoolcraft

Cruised By: Petrelius

1:15,840

1

1

Township
41N

Range
17W

Section(s) and
Subdivision(s) Sec. 1 SW,W1/2SE; Sec. 12 NENW,NWNE;

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

Four Buck No Luck 2

72.0 Acres

