



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7420**

SCHEDULED SALE DATE AND TIME: **2:00 p.m. (local time) on April 17, 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:

Red Hot Pine 3 (41-002-23) / T41N, R17W, SEC. 33, E1/2SW,SE.

T41N, R17W, SEC. 33, NENW,S1/2NW,N1/2NE,SENE.

Schoolcraft County, Advertised Price \$211,254.90, 216.4 Acres, Red Pine, White Pine.

SALE NOTE: 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.

TIMBER SALE INFORMATION

Red Hot Pine 3 (41-002-23)

T41N, R17W, SEC. 33.

Schoolcraft County (Advertised Price \$211,254.90)

SALE NOTE: 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.

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>
Pulpwood		
Balsam Fir	13 Cords	\$ 13.75 / Cord
Jack Pine	37 Cords	\$ 23.85 / Cord
Mixed Aspen	61 Cords	\$ 29.40 / Cord
Mixed Hardwood	8 Cords	\$ 22.35 / Cord
Red Pine	2,350 Cords	\$ 87.75 / Cord
White Pine	70 Cords	\$ 28.70 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 9.65 percent. There are an estimated 2,526 cords on this timber sale, plus or minus 244 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 \$10,562.75 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	2.1%
02	3.5%
03	6.4%
04	16.1%
05	14.4%
06	11.2%
07	8.2%
08	14.9%
09	14.5%
10	8.7%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2027.

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.

<u>VOLUME</u>		<u>STATISTICAL RANGE IN CORDS</u>		
<u>TOTAL CUBIC FEET</u>	<u>TOTAL CORDS</u>	<u>PERCENT ERROR</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>
199,576	2,526	9.65%	2,282	2,770

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	20,313	257	14.48%	220	294
2	12,359	156	41.57%	91	221
3	166,904	2,113	11.70%	1,866	2,360
TOTAL:	199,576	2,526		2,177	2,876

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	17.8	2	6.3
		3	11.5
		1	9.0
2	9.0	4	34.8
3	189.6	5	30.9
		6	24.2
		7	17.6
		8	32.2
		9	31.3
		10	18.6
TOTAL:	216.4		216.4

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Balsam Fir Mixed Aspen <i>Quaking Aspen</i> Mixed Hardwood <i>Paper Birch</i> <i>Red Maple</i> Red Pine White Pine	Pulpwood	13 54 54 8 3 5 5 70	Cords Cords Cords Cords Cords Cords Cords Cords	9.0	\$4,392.90
2	Jack Pine Red Pine	Pulpwood	11 81	Cords Cords	6.3	\$7,370.10
3	Jack Pine Red Pine	Pulpwood	19 148	Cords Cords	11.5	\$13,440.15
4	Jack Pine Mixed Aspen <i>B. T. Aspen</i> Red Pine	Pulpwood	1 1 1 389	Cords Cords Cords Cords	34.8	\$34,188.00
5	Jack Pine Mixed Aspen <i>B. T. Aspen</i> Red Pine	Pulpwood	1 1 1 345	Cords Cords Cords Cords	30.9	\$30,327.00
6	Jack Pine Mixed Aspen <i>B. T. Aspen</i> Red Pine	Pulpwood	1 1 1 270	Cords Cords Cords Cords	24.2	\$23,745.75
7	Jack Pine Mixed Aspen <i>B. T. Aspen</i> Red Pine	Pulpwood	1 1 1 196	Cords Cords Cords Cords	17.6	\$17,252.25
8	Jack Pine Mixed Aspen <i>B. T. Aspen</i> Red Pine	Pulpwood	1 1 1 359	Cords Cords Cords Cords	32.2	\$31,555.50
9	Jack Pine Mixed Aspen <i>B. T. Aspen</i> Red Pine	Pulpwood	1 1 1 349	Cords Cords Cords Cords	31.3	\$30,678.00
10	Jack Pine Mixed Aspen <i>B. T. Aspen</i> Red Pine	Pulpwood	1 1 1 208	Cords Cords Cords Cords	18.6	\$18,305.25
TOTAL:			2,539	Cords		

Sale Specific Conditions & Requirements

Sale Name: Red Hot Pine 3

Sale Number: 41-002-23 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

2.1.1 - Clearcut unit(s) with unmerchantable trees (6/14)

Within Payment Unit(s) 1, cut all maple, birch and aspen trees that are two (2) inches or more at DBH. In addition, cut all other trees that meet minimum piece specifications in 2.2 Utilization except cedar, hemlock, oak and trees marked in 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) 2 - 10, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within Payment Units 2 - 10 shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches DBH.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 4-10 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

3.4.2 - 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. 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 bull dozer 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.

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

5.2.3.6 - Bark beetle restriction (12/08)

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4 mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

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 (UP). 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 5, 1994 PA 451, as amended.

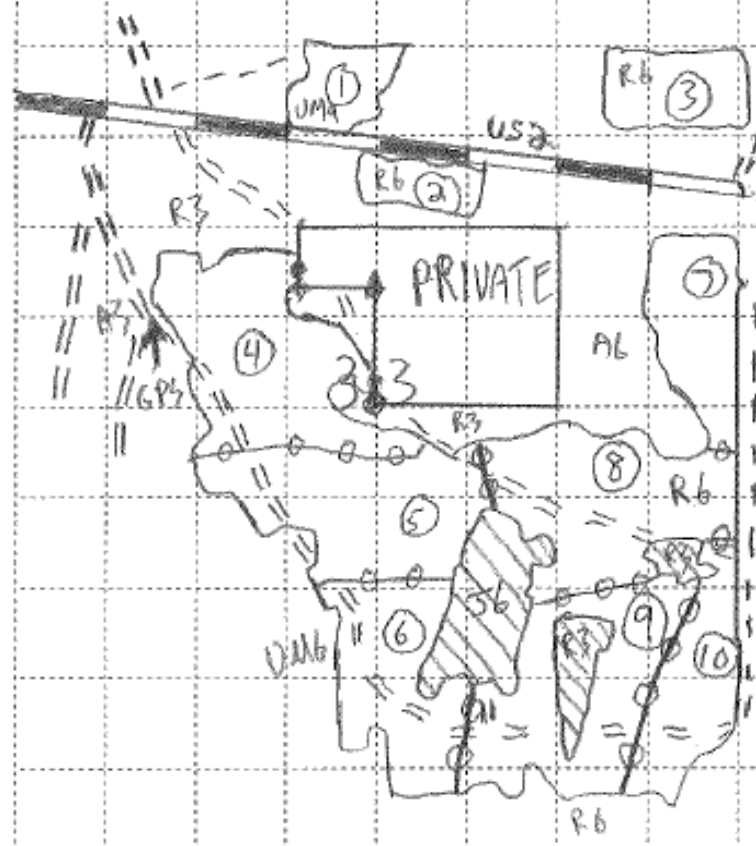
Sale Number	Year
002	23

Forest Management Unit SHINGLETON	County SCHOOLCRAFT	Mapped By PETRELIUS	Date 8-24-23	Page 1	of 1
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Compartment Number 41087	Township 41N	Range 17W	Section(s) and Subdivision(s) 33: SE, E1/2 NE, NW1/4, E1/2 SW	Scale: 4" = 1 mile
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Cover Type				Density	
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor
D = Treed Bog	LM = Lowland Mix	R = Red Pine	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium
E = Swamp Hardwoods	Forest	S = Black Spruce	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well
F = Spruce/Fir	M = Maple, Beech, Birch	T = Tamarack	Y = Sand		
G = Grass	MC = Mixed Conifer		Z = Water		
H = Hemlock	MD = Mixed Deciduous				
	N = Marsh				

RED HOT PINE 3
216.4 ACRES



LEGEND

- RED PAINT
- YELLOW PAINT
- BLUE PAINT
- EXCLUSION
- SURVEY CORNER
- PAYMENT UNIT
- WOODS ROAD

GPS: 45.9055, -86.4443

PAYMENT UNIT ACRES	
1	9.0
2	6.3
3	11.5
4	34.8
5	30.9
6	24.2
7	17.6
8	32.2
9	31.3
10	18.6