



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7278**

SCHEDULED SALE DATE AND TIME: **2:00 p.m. (local time) on September 6, 2023.**

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:

Cooks Breakup (41-001-23) / T41N, R17W, SEC. 31, SWNW,S1/2NE,NWSW.

Schoolcraft County, Advertised Price \$12,095.25, 29.3 Acres, Hardwood, Spruce/Fir/ Tamarack.

SALE NOTE: Permission for access across private land is the responsibility of the Purchaser. If purchaser decides to access Payment Unit 1 from the west, access from the USFS will also be needed.

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the power line R.O.W. for operations.

It is recommended, within Payment Unit(s) 1 and 2, harvesting occur during dry summer or frozen winter conditions because Payment Units 1 and 2 have some lowland areas.

Access may be through other public land.

TIMBER SALE INFORMATION

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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		
Paper Birch	0.7 MBF	\$ 121.00 / MBF
Pulpwood		
B. T. Aspen	2 Cords	\$ 32.95 / Cord
Balsam Fir	14 Cords	\$ 15.75 / Cord
Mixed Spruce	435 Cords	\$ 21.85 / Cord
N. White Cedar	46 Cords	\$ 5.45 / Cord
Paper Birch	12 Cords	\$ 18.50 / Cord
Red Maple	52 Cords	\$ 20.30 / Cord
Red Pine	3 Cords	\$ 92.35 / Cord
White Pine	13 Cords	\$ 31.85 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 25.15 percent. There are an estimated 601 cords on this timber sale, plus or minus 151 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 \$604.76 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	62.3%
02	37.7%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2026.

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
47,478	601	25.15%	450	752

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	27,251	345	35.79%	221	468
2	20,227	256	42.54%	147	365
TOTAL:	47,478	601		369	833

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	16.1	1	16.1
2	13.2	2	13.2
TOTAL:	29.3		29.3

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Balsam Fir	Pulpwood	3	Cords	16.1	\$7,536.70
	Mixed Spruce		308	Cords		
	<i>Black Spruce</i>		308	<i>Cords</i>		
	Paper Birch		11	Cords		
	Red Maple		7	Cords		
	White Pine		13	Cords		
2	Paper Birch	Sawtimber	0.7	MBF	13.2	\$4,558.55
	B. T. Aspen	Pulpwood	2	Cords		
	Balsam Fir	11	Cords			
	Mixed Spruce	127	Cords			
	<i>Black Spruce</i>	33	<i>Cords</i>			
	<i>White Spruce</i>	94	<i>Cords</i>			
	N. White Cedar	46	Cords			
	Paper Birch	1	Cords			
	Red Maple	45	Cords			
	Red Pine	3	Cords			
TOTAL:			0.7	MBF		
TOTAL:			577	Cords		

Sale Specific Conditions & Requirements

Sale Name: Cooks Breakup

Sale Number: 41-001-23 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 red paint. Exterior sale boundary lines against state are marked with red paint.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1 & 2, cut all trees which meet minimum piece specifications in 2.2 Utilization, except hemlock. In addition, do not cut cedar in Payment Unit 1. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

3 - Payments

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. Berms must 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. 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 if harvesting occurs during non-frozen conditions. In general,

this will require a road grader or bull dozer 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.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land is the responsibility of the Purchaser. If purchaser decides to access Payment Unit 1 from the west, access from the USFS will also be needed.

5 - Operations

5.1 - Notification

5.1.6 - Utility R.O.W. (4/19)

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the power line R.O.W. for 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.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 1 & 2, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because Payment Units 1 & 2 have some lowland areas.

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.

5.8 - Protection of Endangered Species

5.8.3 - Red shoulder hawk or goshawk (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 5, 1994 PA 451, as amended.

Sale Number 001 Year 23

Forest Management Unit Shingleton	County Schoolcraft	Mapped By Petrelus	Date 1-6	Page 1	of 1
Compartment Number 87	Township 41N	Range 17W	Section(s) and Subdivision(s) 31: S 1/2 NE, SWNW, NWSW		
Scale: 1" = 1 mile					

Cover Type

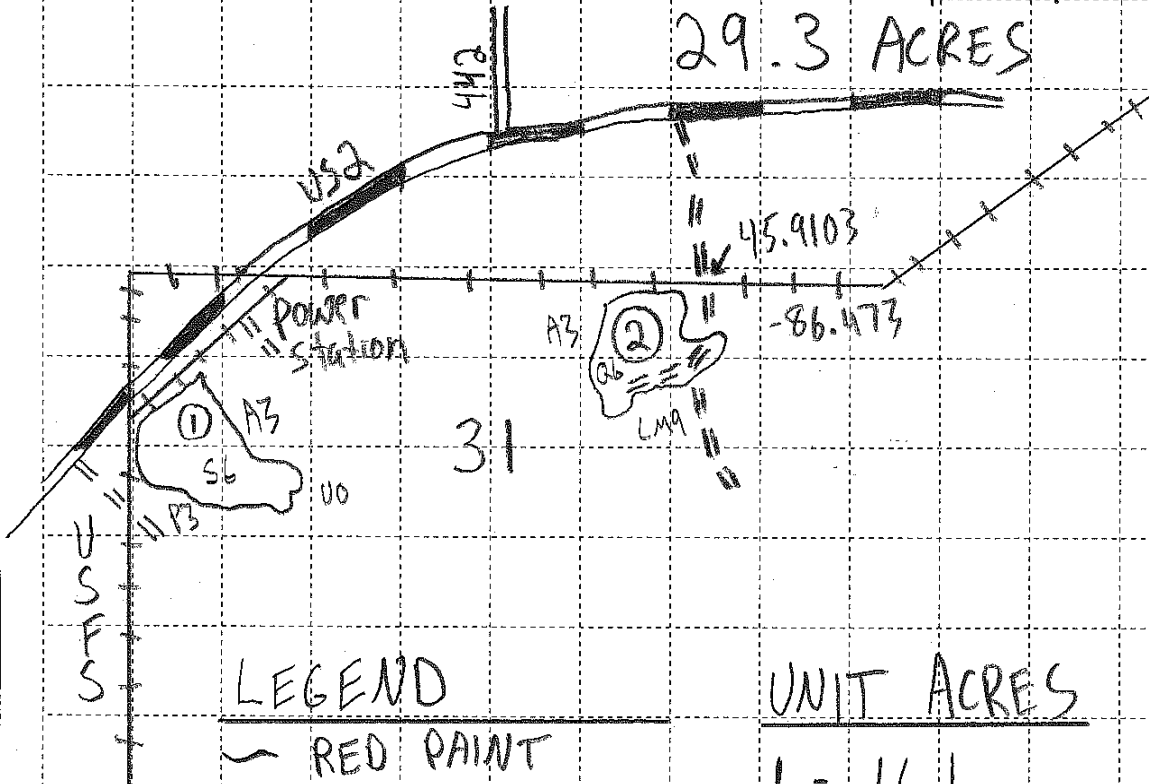
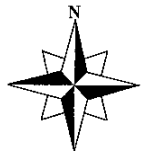
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix	R = Red Pine	W = White Pine
E = Swamp Hardwoods	Forest	S = Black Spruce	X = Non Stocked
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		

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

COOKS BREAKUP

29.3 ACRES



LEGEND

— RED PAINT

① UNIT #

+++ POWER LINE

== WOODS ROAD

UNIT ACRES

1 - 16.1

2 - 13.2

