



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7236**

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on May 16, 2023.**

LOCATION: **NAUBINWAY DNR FIELD OFFICE, PO BOX 287, US 2 W11569, NAUBINWAY, MI 49762.**

CONTACT NAME: Karen Rodock

PHONE NUMBER: (906) 477-6048

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, SAULT STE MARIE MANAGEMENT UNIT, for certain timber on the following described lands:

Hemlock and Roll (45-117-22) / T43N, R06W, SEC. 32, E1/2NE, SE.

T43N, R06W, SEC. 33, NWNW, S1/2NW, NWSW.

Mackinac County, Advertised Price \$55,952.90, 121.3 Acres, Hardwood, White Pine.

TIMBER SALE INFORMATION

Hemlock and Roll (45-117-22)
 T43N, R06W, SEC. 32; T43N, R06W, SEC. 33.
 Mackinac County (Advertised Price \$55,952.90)

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	3.6 MBF	\$ 46.00 / MBF
Red Maple	110.5 MBF	\$ 125.00 / MBF
Pulpwood		
Balsam Fir	23 Cords	\$ 11.35 / Cord
Beech	22 Cords	\$ 10.70 / Cord
Hemlock	1,910 Cords	\$ 6.75 / Cord
Mixed Spruce	70 Cords	\$ 10.85 / Cord
N. White Cedar	27 Cords	\$ 3.45 / Cord
Paper Birch	121 Cords	\$ 6.65 / Cord
Quaking Aspen	50 Cords	\$ 26.10 / Cord
Red Maple	1,337 Cords	\$ 10.70 / Cord
White Pine	591 Cords	\$ 19.15 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 8.67 percent. There are an estimated 4,504 cords on this timber sale, plus or minus 391 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 \$5,595.29 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:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	5.6%
02	1.9%
03	22.3%
04	29.4%
05	40.8%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2026.

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
355,853	4,504	8.67%	4,114	4,895

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	33,992	430	21.75%	337	524
68	321,860	4,074	9.39%	3,691	4,457
TOTAL:	355,853	4,504		4,028	4,981

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	14.2	1	10.5
		2	3.7
68	107.1	3	25.8
		4	34.1
		5	47.2
TOTAL:	121.3		121.3

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Sawtimber	2.3	MBF	10.5	\$3,141.25
	Balsam Fir	Pulpwood	11	Cords		
	Hemlock		138	Cords		
	<i>Hemlock</i>	<i>Sawtimber</i>	1.3	<i>MBF</i>		
	<i>Hemlock</i>	<i>Pulpwood</i>	135	<i>Cords</i>		
	Mixed Spruce		33	Cords		
	<i>Black Spruce</i>		12	<i>Cords</i>		
	<i>White Spruce</i>		21	<i>Cords</i>		
	Paper Birch		12	Cords		
	Red Maple		68	Cords		
	White Pine		33	Cords		
	2	Red Maple	Sawtimber	0.8		
Balsam Fir		Pulpwood	3	Cords		
Hemlock			49	Cords		
<i>Hemlock</i>		<i>Sawtimber</i>	0.5	<i>MBF</i>		
<i>Hemlock</i>		<i>Pulpwood</i>	48	<i>Cords</i>		
Mixed Spruce			11	Cords		
<i>Black Spruce</i>			4	<i>Cords</i>		
<i>White Spruce</i>			7	<i>Cords</i>		
Paper Birch			4	Cords		
Red Maple			24	Cords		
White Pine			11	Cords		
3		Paper Birch	Sawtimber	0.9	MBF	25.8
	Red Maple		25.9	MBF		
	Balsam Fir	Pulpwood	2	Cords		
	Beech		5	Cords		
	Hemlock		415	Cords		
	<i>Hemlock</i>		415	<i>Cords</i>		
	Mixed Spruce		6	Cords		
	<i>Black Spruce</i>		1	<i>Cords</i>		
	<i>White Spruce</i>		5	<i>Cords</i>		
	N. White Cedar		7	Cords		
	Paper Birch		25	Cords		
	Quaking Aspen		12	Cords		
	Red Maple		300	Cords		
	White Pine		132	Cords		
	4	Paper Birch	Sawtimber	1.1	MBF	
Red Maple			34.2	MBF		
Balsam Fir		Pulpwood	3	Cords		
Beech			7	Cords		
Hemlock			549	Cords		
<i>Hemlock</i>			549	<i>Cords</i>		
Mixed Spruce			8	Cords		
<i>Black Spruce</i>			2	<i>Cords</i>		
<i>White Spruce</i>			6	<i>Cords</i>		
N. White Cedar			9	Cords		
Paper Birch			33	Cords		
Quaking Aspen			16	Cords		
Red Maple			396	Cords		
White Pine			174	Cords		
5	Paper Birch	Sawtimber	1.6	MBF	47.2	\$22,806.10
	Red Maple		47.3	MBF		
	Balsam Fir	Pulpwood	4	Cords		
	Beech		10	Cords		
	Hemlock		759	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	<i>Hemlock</i>	<i>Pulpwood</i>	759	<i>Cords</i>		
	Mixed Spruce		12	Cords		
	<i>Black Spruce</i>		3	<i>Cords</i>		
	<i>White Spruce</i>		9	<i>Cords</i>		
	N. White Cedar		11	Cords		
	Paper Birch		47	Cords		
	Quaking Aspen		22	Cords		
	Red Maple		549	Cords		
	White Pine		241	Cords		
TOTAL:			114.1	MBF		
TOTAL:			4,151	Cords		

Sale Specific Conditions & Requirements

Sale Name: Hemlock and Roll

Sale Number: 45-117-22 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

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

Within Payment Unit(s) 1-5, all trees which meet minimum piece specifications in 2.2 Utilization, are designated for cutting except trees marked with green paint above and below stump height. Additionally, in Payment Units 3-5, no yellow birch is to be cut. No oak is to be cut within Payment Units 1-5. 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

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 3-5 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. Hemlock regen present should also be protected during harvesting operations. Green paint on unmerchantable trees is present throughout sale area.

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 marked with green paint or designated species. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$20.00/cord 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

4.1.4 - Timber removed for construction (12/09)

Trees cut or damaged in the process of pre-approved road, landing or skid trail construction will be decked in an area separate from other Designated Timber and not removed until measured by the sale administrator. Payment will be made at the specified Purchase Unit Price.

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 double earthen berms at strategic locations. These roads must be rendered impassable to cars and trucks. Contact the sale administrator for specific details of design and placement.

4.2 - Maintenance

4.2.3 - Road maintenance (8/13)

The following road maintenance is required: Within 60 days of completion of hauling, or if no hauling occurs for 60 days, the road must be maintained and graded. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. Damages will be assessed if grading/repair does not occur.

4.2.5 - Two wheel drive condition (2/04)

All existing trail roads on and adjacent to the sale area must be passable by two-wheel drive traffic for the duration of the sale.

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 24 inches in height.

5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation, the Sale Area shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. While scattering, tops should be dragged as much as possible to promote scarification throughout the sale area.

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) 1-5, unless changed by written agreement, cutting, skidding, and hauling are limited to the period of 04/01 to 11/30. This restriction is to promote scarification for desired regeneration throughout the sale area.

5.2.18 - Equipment requirements (1/09)

Tracks will be required on all harvesting equipment. This is to promote scarification of soil for desired regeneration throughout the sale area.

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 the vernal pond areas or drainages. When harvesting occurs, there should be no disturbance to the vernal pond depression. All equipment, trees and tops should be kept out of this area. Within 100 feet of the pond, equipment should only be used when the soil is in a dry or frozen condition. Care must be taken by the Purchaser to identify and avoid operating in these areas of the timber sale.

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an on-site evaluation and recommendation can be made, if necessary.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on on the Carp River Truck Trail or Little Brevoort River Road, depending on haul route chosen prior to beginning operations. The road 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.

Forest Management Unit Sault Ste Marie		County Mackinac	Mapped By Plato	Date 09/26/2022	Page 1	of 1
Township 43N	Range 06W	Section(s) and Subdivision(s) Sec. 32 E1/2NE, SE Sec 33 NWNW,S1/2NW,NWSW		Scale 1:15,840		

Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water		
G = Grass	MD = Mixed Deciduous	T = Tamarack			

PU	Acres	PU	Acres
1	10.5	4	34.1
2	3.7	5	47.2
3	25.8		

Hemlock and Roll

Compartment 116 & 119

121.3 Acres

