



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7012**

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on November 29, 2022.**

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:

Mixed Bag (45-115-22) / T43N, R07W, SEC. 20, S1/2SW.

T43N, R07W, SEC. 29, NW,SWNE,SW.

T43N, R07W, SEC. 30, NENE.

Mackinac County, Advertised Price \$54,591.30, 114.2 Acres, Hardwood, Spruce/Fir/Tamarack.

SALE NOTE: 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

Mixed Bag (45-115-22)

T43N, R07W, SEC. 20; T43N, R07W, SEC. 29; T43N, R07W, SEC. 30.

Mackinac County (Advertised Price \$54,591.30)

SALE NOTE: 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.

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	60.3 MBF	\$ 41.00 / MBF
Red Maple	54.1 MBF	\$ 112.00 / MBF
Yellow Birch	15.1 MBF	\$ 92.00 / MBF
Pulpwood		
Balsam Fir	349 Cords	\$ 9.40 / Cord
Balsam Poplar	91 Cords	\$ 17.20 / Cord
Black Ash	2 Cords	\$ 8.70 / Cord
Jack Pine	6 Cords	\$ 20.10 / Cord
Mixed Aspen	494 Cords	\$ 17.20 / Cord
Mixed Hardwood	847 Cords	\$ 8.70 / Cord
Mixed Spruce	187 Cords	\$ 9.35 / Cord
Red Pine	341 Cords	\$ 60.10 / Cord
White Pine	131 Cords	\$ 12.05 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 11.93 percent. There are an estimated 2,790 cords on this timber sale, plus or minus 333 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 \$5,459.13 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	39.7%
02	27.2%
03	13.0%
04	20.1%
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
220,410	2,790	11.93%	2,457	3,123

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
23	55,061	697	23.46%	533	860
25	72,131	913	14.38%	782	1,044
28	34,017	431	17.36%	356	505
30	59,201	749	20.79%	594	905
TOTAL:	220,410	2,790		2,265	3,315

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
23	25.1	2	15.9
		3	9.2
25	26.0	2	18.5
		3	7.5
28	39.0	1	39.0
30	24.1	4	24.1
TOTAL:	114.2		114.2

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Balsam Fir	Pulpwood	8	Cords	39.0	\$21,747.05
	Jack Pine		6	Cords		
	Mixed Aspen		21	Cords		
	<i>B. T. Aspen</i>		21	Cords		
	Mixed Hardwood		25	Cords		
	<i>Beech</i>		6	Cords		
	<i>Red Maple</i>		19	Cords		
	Mixed Spruce		6	Cords		
	<i>White Spruce</i>		6	Cords		
	Red Pine		337	Cords		
	<i>Red Pine</i>		<i>Sawtimber</i>	145.2		
<i>Red Pine</i>	<i>Pulpwood</i>	47	Cords			
White Pine		55	Cords			
2	Paper Birch	Sawtimber	19.0	MBF	34.4	\$14,830.60
	Red Maple		30.4	MBF		
	Yellow Birch		10.4	MBF		
	Balsam Fir	Pulpwood	160	Cords		
	Balsam Poplar		9	Cords		
	Mixed Aspen		151	Cords		
	<i>B. T. Aspen</i>		85	Cords		
	<i>Quaking Aspen</i>		66	Cords		
	Mixed Hardwood		456	Cords		
	<i>Black Cherry</i>		3	Cords		
	<i>Paper Birch</i>		60	Cords		
	<i>Red Maple</i>		342	Cords		
	<i>Yellow Birch</i>		51	Cords		
	Mixed Spruce		68	Cords		
	<i>White Spruce</i>		68	Cords		
	Red Pine		3	Cords		
	<i>Red Pine</i>		<i>Sawtimber</i>	0.8		
<i>Red Pine</i>	<i>Pulpwood</i>		1	Cords		
White Pine			54	Cords		
3	Paper Birch		Sawtimber	10.3	MBF	16.7
	Red Maple		14.2	MBF		
	Yellow Birch		4.7	MBF		
	Balsam Fir	Pulpwood	75	Cords		
	Balsam Poplar		5	Cords		
	Mixed Aspen		76	Cords		
	<i>B. T. Aspen</i>		48	Cords		
	<i>Quaking Aspen</i>		28	Cords		
	Mixed Hardwood		218	Cords		
	<i>Black Cherry</i>		2	Cords		
	<i>Paper Birch</i>		34	Cords		
	<i>Red Maple</i>		157	Cords		
	<i>Yellow Birch</i>		25	Cords		
	Mixed Spruce		31	Cords		
	<i>White Spruce</i>		31	Cords		
	Red Pine		2	Cords		
	<i>Red Pine</i>		<i>Sawtimber</i>	0.3	MBF	
<i>Red Pine</i>	<i>Pulpwood</i>		1	Cords		
White Pine			22	Cords		
4	Paper Birch		Sawtimber	31.0	MBF	24.1
	Red Maple		9.5	MBF		
	Balsam Fir	Pulpwood	106	Cords		
	Balsam Poplar		77	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
4 con't	Black Ash	Pulpwood	2	Cords		
	Mixed Aspen		246	Cords		
	<i>B. T. Aspen</i>		29	<i>Cords</i>		
	<i>Quaking Aspen</i>		217	<i>Cords</i>		
	Mixed Hardwood		148	Cords		
	<i>Paper Birch</i>		72	<i>Cords</i>		
	<i>Red Maple</i>		65	<i>Cords</i>		
	<i>Yellow Birch</i>		11	<i>Cords</i>		
	Mixed Spruce		82	Cords		
	<i>Black Spruce</i>		7	<i>Cords</i>		
	<i>White Spruce</i>		75	<i>Cords</i>		
	TOTAL:			129.5	MBF	
TOTAL:			2,449	Cords		

Sale Specific Conditions & Requirements

Sale Name: Mixed Bag

Sale Number: 45-115-22 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 green paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with green paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected. Green 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 trees that are one (1) inch or more at DBH. Within Payment Units 2-4, cut all deciduous trees that are two (2) inches or more at DBH and all coniferous trees that are four (4) inches or more at DBH. Within Payment Units 2-4, do not cut any hemlock or cedar unless needed for operational use, also do not reach into dense (closed canopy) pockets of cedar or hemlock. Special protection areas identified in accordance with condition 3.4.3, within clearcutting unit boundaries, are not Included Timber and are to be protected.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within Payment Unit(s) 1 shall not exceed 6 inches for all trees. This is in order to facilitate planting operations.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 1-4 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

3.4.3 - Special Protection Areas (8/11)

The Purchaser shall protect special protection areas from damage by the Purchaser's operations. Special protection areas are excluded from sale with a red line boundary. The special protection area within this sale is the retention patch located in Payment Unit 2. The Purchaser shall not cut live or dead trees within special protection areas.

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 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 may be 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 may 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

5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation, Payment Unit 1 shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. Stumps shall be cut low to the ground. Processing sites shall not be left with a compacted layer of slash; tops from these sites shall be hauled back into the cut area and scattered.

5.2.1.12 - Slash for prescribed burning (1/05)

To facilitate prescribed burning, slash shall be moved at least 10 feet inside the sale boundary of Unit 1. Slash cannot be piled or placed near residual trees.

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. This does not apply to Payment Unit 1.

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 2-4, unless changed by written agreement, cutting, skidding, and hauling are limited to the period of Dec. 1- Mar. 31. This restriction is for wintering deer.

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.

5.2.39 - ORV trail/route protection (4/18)

Sand Lake Rd is an ORV trail or route and is shown on the Timber Sale Map. Do not cut trees or damage posts with yellow ORV markers. Trees with yellow ORV markers shall be cut off above the markers and at least 5 feet above ground. All stumps within 5 feet of the trail must be cut flush with the ground. Maintain a 20 foot wide slash, debris, and rut free zone daily using the ORV trail or route as the centerline. No decking on ORV route.

5.2.41 - Snowmobile trail protection (9/11)

Sand Lake Rd is a snowmobile trail and 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, it must be maintained and restored to a condition equal to or better than before the sale. The road maintenance/restoration must be done prior to December 1. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1st. If the trail road is to be used for hauling during the snowmobile season, then a snow covered base must be left on the trail. Maintain a 20 foot wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 20 feet of the snowmobile trail must be cut at ground level.

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

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Sand Lake Rd 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.

6.2.3 - Recreational trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Sand Lake Rd prior to beginning operations. The trail must be posted at appropriate distances from the sale area to warn of logging activity and truck traffic at both ends of the trail. 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 Mgt Unit		County Mackinac	Mapped By Flatt	Date 09/26/2022	Page 1	of 1
Township 43N	Range 07W	Section(s) and Subdivision(s) 20: S1/2SW 29: NW,SWNE,SW 30: NENE		Scale 1:15,840		
Cruised By Flatt, Plato						

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 = Tread 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	39.0	4	24.1
2	34.4		
3	16.7		

Mixed Bag
Compartment 140
114.2 Acres

