



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7179**

SCHEDULED SALE DATE AND TIME: 3:00 p.m. (local time) on February 14, 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:

Sharp Cheddar (45-111-22) / T43N, R07W, SEC. 34, S1/2NW, S1/2NE, SW.

Mackinac County, Advertised Price \$413,396.05, 147.3 Acres, Aspen, Red Pine.

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

Sharp Cheddar (45-111-22)

T43N, R07W, SEC. 34.

Mackinac County (Advertised Price \$413,396.05)

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		
Red Maple	2.2 MBF	\$ 123.00 / MBF
Sugar Maple	2.9 MBF	\$ 327.00 / MBF
Pulpwood		
Balsam Fir	177 Cords	\$ 10.20 / Cord
Mixed Aspen	1,109 Cords	\$ 19.60 / Cord
Mixed Hardwood	260 Cords	\$ 9.80 / Cord
Red Pine	5,532 Cords	\$ 69.75 / Cord
White Pine	17 Cords	\$ 13.55 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 8.11 percent. There are an estimated 7,178 cords on this timber sale, plus or minus 583 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:

- A bond in the amount of \$41,339.61 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
- Cutting in any sale or unit without the required advance payment would be considered a trespass.
- Total payment must be paid in advance or according to the following schedule :
 - Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - The 10% down payment will be credited towards the first unit cut.
 - 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	11.9%
02	37.6%
03	31.3%
04	19.2%
- If no cutting takes place, the 10% down payment will not be refunded.
- Operations on the contract issued will terminate on 12/31/2025.

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
567,031	7,178	8.11%	6,595	7,760

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
29	438,929	5,556	9.82%	5,011	6,102
37	128,102	1,622	12.51%	1,419	1,824
TOTAL:	567,031	7,178		6,429	7,926

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
29	120.9	2	51.5
		3	43.0
		4	26.4
37	26.4	1	26.4
TOTAL:	147.3		147.3

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE			
1	Red Maple	Sawtimber	2.2	MBF	26.4	\$49,120.85			
	Sugar Maple		2.9	MBF					
	Balsam Fir	Pulpwood	98	Cords					
	Mixed Aspen		1,081	Cords					
	B. T. Aspen		70	Cords					
	Quaking Aspen		1,011	Cords					
	Mixed Hardwood		140	Cords					
	Beech		6	Cords					
	Black Cherry		10	Cords					
	Paper Birch		5	Cords					
	Red Maple		58	Cords					
	Sugar Maple		61	Cords					
	Red Pine		349	Cords					
	Red Pine	Sawtimber	143.9	MBF					
	Red Pine	Pulpwood	61	Cords					
2	Balsam Fir	Pulpwood	34	Cords	51.5	\$155,184.65			
	Mixed Aspen		12	Cords					
	Quaking Aspen		12	Cords					
	Mixed Hardwood		51	Cords					
	Beech		3	Cords					
	Black Cherry		9	Cords					
	Red Maple		28	Cords					
	Sugar Maple		11	Cords					
	Red Pine		2,208	Cords					
	Red Pine	Sawtimber	629.6	MBF					
	Red Pine	Pulpwood	949	Cords					
	White Pine		7	Cords					
	3	Balsam Fir	Pulpwood	28			Cords	43.0	\$129,523.75
		Mixed Aspen		10			Cords		
Quaking Aspen			10	Cords					
Mixed Hardwood			42	Cords					
Beech			3	Cords					
Black Cherry			7	Cords					
Red Maple			23	Cords					
Sugar Maple			9	Cords					
Red Pine			1,843	Cords					
Red Pine		Sawtimber	525.7	MBF					
Red Pine		Pulpwood	792	Cords					
White Pine			6	Cords					
4		Balsam Fir	Pulpwood	17	Cords	26.4	\$79,497.05		
		Mixed Aspen		6	Cords				
	Quaking Aspen		6	Cords					
	Mixed Hardwood		27	Cords					
	Beech		2	Cords					
	Black Cherry		5	Cords					
	Red Maple		14	Cords					
	Sugar Maple		6	Cords					
	Red Pine		1,131	Cords					
	Red Pine	Sawtimber	322.7	MBF					
	Red Pine	Pulpwood	486	Cords					
	White Pine		4	Cords					
	TOTAL:			5.1	MBF				
	TOTAL:			7,094	Cords				

Sale Specific Conditions & Requirements

Sale Name: Sharp Cheddar

Sale Number: 45-111-22 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. The Payment Unit line between Unit 1 and Unit 2 is marked in red paint, this line may be crossed during harvesting operations, however marked trees shall not be cut as these trees are to be left as retention. 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 two (2) inches or more at DBH except, do not cut any white pine, cedar or hemlock.

Within Payment Unit(s) 2-4, cut all trees that are one (1) inch or more at DBH.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within Payment Unit(s) 2-4 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.

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.

In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. These roads must be rendered impassable to cars and trucks. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. 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 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(s) 2-4 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. 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 applies to Unit 1 only.

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.

5.2.37 - No decking areas (12/08)

No decking is allowed within 50 feet of Paquin Creek Rd without permission from Mackinac County Road Commission.

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)

Paquin Creek Rd and the pipeline R.O.W is an ORV trail or route and is shown on the Timber Sale Map. Do not damage posts with yellow ORV markers. 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 along ORV route.

5.2.41 - Snowmobile trail protection (9/11)

Paquin Creek Rd and the pipeline R.O.W 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. The snowmobile trail may only be crossed at right angles. 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.

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 Paquin Creek Rd and the pipeline right-of-way road 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.

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Paquin Creek Rd and the pipeline right-of-way road 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 Paquin Creek Rd and the pipeline right-of-way road 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.

Sale Number	Year
45-111	22

Forest Management Unit Sault Ste. Marie	County Mackinac	Mapped By Plato	Date 08/25/2022	Page 1	of 1
Township 43N	Range 07W	Section(s) and Subdivision(s) Sec 34: S1/2NW,S1/2NE,SW	Cruised By Plato, Flatt	Scale 1:15,840	

Cover Type

A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water
G = Grass	MD = Mixed Deciduous	T = Tamarack	

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

PU	Acres	PU	Acres
1	26.4	4	26.4
2	51.5		
3	43.0		

Sharp Cheddar

Compartment 142

147.3 Acres

