



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7139**

SCHEDULED SALE DATE AND TIME: 4:00 p.m. (local time) on April 4, 2023.

LOCATION: TRAVERSE CITY MGMT UNIT, 2122 M 37 SOUTH, TRAVERSE CITY, MI 49685.

CONTACT NAME: Patrick Cotant

PHONE NUMBER: (231) 649-0544

PROSPECTUS NOTE: Effective immediately: all bid openings for the Traverse City Management Unit (Kalkaska Field Office and Traverse City Field Office) will be held at the Traverse City Field Office regardless of sale location within the unit . All payments will now be handled through the Traverse City Field Office . The Kalkaska Field Office will no longer accept payments or hard paper copies of timber sale bids. Payments for all contracts, use permits, bonds, etc. should be sent to the Traverse City Field Office.

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, TRAVERSE CITY MANAGEMENT UNIT, for certain timber on the following described lands:

Checkerboard Mix (61-025-22) / T25N, R14W, SEC. 32, NW,SW.

Benzie County, Advertised Price \$22,586.85, 47.3 Acres, Hardwood, Spruce/Fir/Tamarack.

TIMBER SALE INFORMATION

Checkerboard Mix (61-025-22)

T25N, R14W, SEC. 32.

Benzie County (Advertised Price \$22,586.85)

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		
Basswood	2.8 MBF	\$ 105.00 / MBF
Quaking Aspen	19.9 MBF	\$ 101.00 / MBF
Red Maple	15.8 MBF	\$ 143.00 / MBF
Sugar Maple	5.2 MBF	\$ 280.00 / MBF
White Pine	10.4 MBF	\$ 64.00 / MBF
White Spruce	29.5 MBF	\$ 31.00 / MBF
Pulpwood		
B. T. Aspen	15 Cords	\$ 20.75 / Cord
Basswood	39 Cords	\$ 18.10 / Cord
Mixed Hardwood	192 Cords	\$ 23.55 / Cord
Quaking Aspen	137 Cords	\$ 20.75 / Cord
Red Maple	45 Cords	\$ 23.55 / Cord
Sugar Maple	22 Cords	\$ 23.55 / Cord
White Pine	6 Cords	\$ 26.55 / Cord
White Spruce	272 Cords	\$ 17.90 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 18.50 percent. There are an estimated 918 cords on this timber sale, plus or minus 170 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 \$1,129.34 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	21.1%
02	39.2%
03	21.7%
04	4.5%
05	13.5%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2025.

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
72,517	918	18.50%	748	1,088

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
27	2,783	35	38.19%	22	49
47	56,559	716	25.44%	534	898
55	13,174	167	31.45%	114	219
TOTAL:	72,517	918		670	1,166

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
27	2.0	4	2.0
47	37.0	2	19.5
		3	10.8
		5	6.7
55	8.3	1	8.3
TOTAL:	47.3		47.3

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	2.8	MBF	8.3	\$4,767.45
	Quaking Aspen		7.2	MBF		
	Sugar Maple		5.2	MBF		
	B. T. Aspen	Pulpwood	9	Cords		
	Basswood		23	Cords		
	Mixed Hardwood		55	Cords		
	<i>American Elm</i>	<i>Sawtimber</i>	3.3	<i>MBF</i>		
	<i>American Elm</i>	<i>Pulpwood</i>	3	<i>Cords</i>		
	<i>Black Cherry</i>		23	<i>Cords</i>		
	<i>Ironwood</i>		22	<i>Cords</i>		
	Quaking Aspen		3	Cords		
	Red Maple		6	Cords		
	Sugar Maple		8	Cords		
2	Quaking Aspen	Sawtimber	6.7	MBF	19.5	\$8,871.50
	Red Maple		8.3	MBF		
	White Spruce		15.6	MBF		
	B. T. Aspen	Pulpwood	3	Cords		
	Basswood		8	Cords		
	Mixed Hardwood		70	Cords		
	<i>Black Cherry</i>		66	<i>Cords</i>		
	<i>Ironwood</i>		4	<i>Cords</i>		
	Quaking Aspen		69	Cords		
	Red Maple		21	Cords		
	Sugar Maple		7	Cords		
	White Spruce		144	Cords		
3	Quaking Aspen	Sawtimber	3.7	MBF	10.8	\$4,901.60
	Red Maple		4.6	MBF		
	White Spruce		8.6	MBF		
	B. T. Aspen	Pulpwood	2	Cords		
	Basswood		5	Cords		
	Mixed Hardwood		38	Cords		
	<i>Black Cherry</i>		36	<i>Cords</i>		
	<i>Ironwood</i>		2	<i>Cords</i>		
	Quaking Aspen		39	Cords		
	Red Maple		11	Cords		
	Sugar Maple		4	Cords		
	White Spruce		79	Cords		
4	White Pine	Sawtimber	10.4	MBF	2.0	\$1,007.70
	Mixed Hardwood	Pulpwood	6	Cords		
	<i>Black Cherry</i>		5	<i>Cords</i>		
	<i>Ironwood</i>		1	<i>Cords</i>		
	Quaking Aspen		2	Cords		
	White Pine		6	Cords		
5	Quaking Aspen	Sawtimber	2.3	MBF	6.7	\$3,038.60
	Red Maple		2.9	MBF		
	White Spruce		5.3	MBF		
	B. T. Aspen	Pulpwood	1	Cords		
	Basswood		3	Cords		
	Mixed Hardwood		23	Cords		
	<i>Black Cherry</i>		22	<i>Cords</i>		
	<i>Ironwood</i>		1	<i>Cords</i>		
	Quaking Aspen		24	Cords		
	Red Maple		7	Cords		
	Sugar Maple		3	Cords		
	White Spruce		49	Cords		

TOTAL:	83.6	MBF
TOTAL:	728	Cords

Sale Specific Conditions & Requirements

Sale Name: Checkerboard Mix

Sale Number: 61-025-22 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. Also, a very small retention island within payment unit 1 is marked with red paint; no harvesting activities may occur in this retention area. 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

2.1.3 - Cut tree marked unit(s) (12/08)

Within Payment Unit(s) 4, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. Also, within Payment Unit 4, any ironwood tree is designated for cutting regardless of merchantability.

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

Within Payment Unit(s) 1, 2, 3, and 5, all aspen, maple, cherry, beech, ironwood, basswood and spruce trees are designated for cutting regardless of merchantability. Except, do not cut any trees marked with green paint above and below stump height or any other tree species not specifically designated for cutting. Also, please try to protect young spruce seedlings within these units from damage as much as possible.

2.1.11 - Description of timber note (2/04)

Note that mixed hardwood pulpwood = cherry and ironwood pulpwood.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches DBH.

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, chipped, utilized or otherwise removed from the sale as determined by the DNR sale Administrator.

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.

5.2.4 - Dead and Down Creation

5.2.4.3 - Dead and down creation, dead trees (6/07)

Except as provided for in General Condition and Requirement 5.2.2, no dead trees, standing or down, are to be cut, skidded, or processed.

5.2.4.4 - Dead and down creation, grouse (6/18)

To encourage grouse and other wildlife, in Payment Unit(s) 1 - 5 leave one 12" or larger diameter (or largest diameter trees within stand) whole tree on the ground for every 2 acres, preferably a hardwood species such as maple or cherry (no aspen). These trees will be evenly scattered throughout the unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles. This can be an unmerchantable piece or a full tree.

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.

**TIMBER SALE MAP**

This information provided by authority of Part 525, 1994 PA 451 as amended.

Sale Number	Year
61 - 025	22

Forest Management Unit Traverse City	County Benzie	Mapped By Craig Allen	Date 09/22/2022	Page 1	of 2
Township 25N	Range 14W	Section(s) and Subdivision(s) Sec. 32 NW1/4, SW1/4	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 Hardwoods	M = Mpl. Ech. Birch	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 = Cress	MD = Mixed Deciduous	T = Tamarack			

PU	Acres	PU	Acres
1	8.3	4	2.0
2	19.5	5	6.7
3	10.8		

Checkerboard Mix

Compartment 29

47.3 Acres

