



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6953

SCHEDULED SALE DATE AND TIME: **4:00 p.m. (local time) on December 13, 2021.**

LOCATION: **KALKASKA FIELD OFFICE, 2089 NORTH BIRCH STREET, KALKASKA, MI 49646.**

CONTACT NAME: David Lemmien

PHONE NUMBER: (231) 922-6040

PROSPECTUS NOTE: Effective immediately: all bid openings for the Traverse City Management (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:

154 Big Dog (61-122-21) / T26N, R08W, SEC. 18, W1/2SW.

T26N, R08W, SEC. 19, N1/2NE, SESE.

Kalkaska County, Advertised Price \$37,434.20, 68.4 Acres, Hardwood, White Pine.

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

TIMBER SALE INFORMATION

154 Big Dog (61-122-21)

T26N, R08W, SEC. 18; T26N, R08W, SEC. 19.

Kalkaska County (Advertised Price \$37,434.20)

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

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		
B. T. Aspen	28.0 MBF	\$ 88.00 / MBF
Basswood	23.3 MBF	\$ 89.00 / MBF
Beech	2.1 MBF	\$ 76.00 / MBF
Black Cherry	1.3 MBF	\$ 149.00 / MBF
Jack Pine	11.2 MBF	\$ 17.00 / MBF
Red Maple	39.2 MBF	\$ 124.00 / MBF
Red Oak	23.9 MBF	\$ 117.00 / MBF
Red Pine	24.4 MBF	\$ 80.00 / MBF
Sugar Maple	34.5 MBF	\$ 209.00 / MBF
White Pine	199.2 MBF	\$ 35.00 / MBF
Pulpwood		
B. T. Aspen	239 Cords	\$ 12.35 / Cord
Jack Pine	22 Cords	\$ 8.75 / Cord
Mixed Hardwood	178 Cords	\$ 13.50 / Cord
Red Oak	9 Cords	\$ 13.05 / Cord
Red Pine	68 Cords	\$ 31.40 / Cord
White Pine	54 Cords	\$ 14.10 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.60 percent. There are an estimated 1,442 cords on this timber sale, plus or minus 182 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 \$1,871.71 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	54.1%
02	14.2%
03	14.6%
04	17.1%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2024.

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
113,939	1,442	12.60%	1,260	1,624

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
7	72,314	915	17.78%	753	1,078
18	11,567	146	17.73%	120	172
21	5,047	64	30.43%	44	83
25	9,305	118	35.83%	76	160
51	7,932	100	20.65%	80	121
TOTAL:	106,167	1,344		1,073	1,615

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
7	36.4	1	36.4
18	13.9	2	13.9
21	2.3	3	2.3
25	6.2	3	6.2
51	9.6	4	9.6
TOTAL:	68.4		68.4

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	20.9	MBF	36.4	\$20,246.30
	Jack Pine		11.2	MBF		
	Red Maple		20.0	MBF		
	Red Oak		22.6	MBF		
	Red Pine		10.0	MBF		
	White Pine		182.9	MBF		
	B. T. Aspen	Pulpwood	201	Cords		
	Jack Pine		22	Cords		
	Mixed Hardwood		47	Cords		
	Red Maple		47	Cords		
	Red Oak		7	Cords		
	Red Pine		60	Cords		
	White Pine		43	Cords		
	2		Basswood	Sawtimber		
Beech		2.1	MBF			
Sugar Maple		9.9	MBF			
B. T. Aspen		Pulpwood	22	Cords		
Mixed Hardwood			54	Cords		
Basswood			14	Cords		
Beech			2	Cords		
Sugar Maple			38	Cords		
3	B. T. Aspen	Sawtimber	7.1	MBF	8.5	\$5,473.40
	Black Cherry		1.3	MBF		
	Red Maple		19.2	MBF		
	Red Oak		1.3	MBF		
	Sugar Maple		1.8	MBF		
	White Pine		16.3	MBF		
	B. T. Aspen	Pulpwood	16	Cords		
	Mixed Hardwood		59	Cords		
	Black Cherry		1	Cords		
	Red Maple		54	Cords		
	Sugar Maple		4	Cords		
	Red Oak		2	Cords		
	White Pine		11	Cords		
	4		Red Pine	Sawtimber		
Sugar Maple		22.8	MBF			
Mixed Hardwood		Pulpwood	18	Cords		
Sugar Maple			18	Cords		
Red Pine			8	Cords		
TOTAL:			387.1	MBF		
TOTAL:			570	Cords		

Sale Specific Conditions & Requirements

Sale Name: 154 Big Dog

Sale Number: 61-122-21 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 blue and red paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red 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 unless marked with orange paint.

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 white oak and green marked trees.

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

Within Payment Unit(s) 2 and 4, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.1.5 - Overstory removal unit(s) (8/11)

Within Payment Unit(s) 3, all trees with a DBH equal to or greater than 4 inches which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except green marked trees and white oak.

2.2 - Utilization

2.2.6 - Roundwood operation required (3/21)

The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Unit 1. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

4 - Transportation

4.1 - Construction

4.1.6 - Road construction (1/09)

Improvement 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.

4.2 - Maintenance

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

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference on site between the Purchaser and sale administrator is required prior to beginning any operations to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 5 days in advance to schedule the conference.

5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 5 days prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract specifications.

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.

5.2.3 - Operating Restrictions

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 2 and 4, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

**TIMBER SALE MAP**

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

Sale Number
61-122
Year
21

Forest Management Unit Traverse City Unit		County Kalkaska	Mapped By Roell	Date 08/25/2021	Page 1	of 1
Township N26	Range 08W	Section(s) and Subdivision(s) W1/2SW Sec 18; SESE, N1/2NE Sec 19		Cruised By Roell	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 = Tread Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine
E = Swamp Hardwoods	M = Mpl. Ech. Birch	R = Red Pine	X = Non Stocked
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water
G = Cress	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	36.4	4	9.6
2	13.9		
3	8.5		

154 Big Dog
Compartment 154
68.4 Acres