



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #6954**

SCHEDULED SALE DATE AND TIME: **4:00 p.m. (local time) on May 24, 2022.**

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

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:

Roots Loop Red (61-041-21) / T27N, R09W, SEC. 12, SWSW, SESE.

T27N, R09W, SEC. 13, SWNW.

T27N, R09W, SEC. 14, SENE.

Grand Traverse County, Advertised Price \$35,970.45, 51.5 Acres, Red Pine, 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.

Marked red pine thinning. Access roads are poor quality and will need re-shaping.

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

Roots Loop Red (61-041-21)

T27N, R09W, SEC. 12; T27N, R09W, SEC. 13; T27N, R09W, SEC. 14.

Grand Traverse County (Advertised Price \$35,970.45)

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

Marked red pine thinning. Access roads are poor quality and will need re-shaping.

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 Pine	148.9 MBF	\$ 89.00 / MBF
White Pine	19.8 MBF	\$ 41.00 / MBF
Pulpwood		
Red Pine	604 Cords	\$ 35.90 / Cord
White Pine	13 Cords	\$ 17.15 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 7.82 percent. There are an estimated 996 cords on this timber sale, plus or minus 78 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 \$1,798.52 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	45.1%
02	32.4%
03	22.5%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2024.

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.

<u>VOLUME</u>			<u>STATISTICAL RANGE IN CORDS</u>	
<u>TOTAL CUBIC FEET</u>	<u>TOTAL CORDS</u>	<u>PERCENT ERROR</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>
78,713	996	7.82%	918	1,074

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
42	17,504	222	16.83%	184	259
70	29,273	371	13.44%	321	420
84	19,541	247	16.64%	206	289
709	6,416	81	21.63%	64	99
849	5,978	76	18.51%	62	90
TOTAL:	78,713	996		837	1,156

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
42	12.7	3	12.7
70	22.0	1	22.0
84	13.8	2	13.8
709	1.4	1	1.4
849	1.6	2	1.6
TOTAL:	51.5		51.5

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Sawtimber	77.5	MBF	23.4	\$16,239.60
	White Pine		10.9	MBF		
	Red Pine	Pulpwood	243	Cords		
	White Pine		10	Cords		
2	Red Pine	Sawtimber	44.6	MBF	15.4	\$11,637.55
	White Pine		8.9	MBF		
	Red Pine	Pulpwood	202	Cords		
	White Pine		3	Cords		
3	Red Pine	Sawtimber	26.8	MBF	12.7	\$8,093.30
	Red Pine	Pulpwood	159	Cords		
TOTAL:			168.7	MBF		
TOTAL:			617	Cords		

Sale Specific Conditions & Requirements

Sale Name: Roots Loop Red

Sale Number: 61-041-21 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary is marked and identified by red paint. Exterior sale boundary lines against state are marked with red paint. Clear-cut patches are marked with yellow paint. 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

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

Within Payment Unit(s) 1-3, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within clear-cut pockets designated on the map and by yellow paint marks on the perimeter cut all trees 2" diameter when measured at 4.5' above ground regardless of merchantability.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 6 inches for all trees. This is to facilitate planting operations.

2.2.6 - Roundwood operation required (3/21)

The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Unit(s) 1-3. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

4 - Transportation

4.2 - Maintenance

4.2.2 - Fill material (4/07)

To maintain roads, fill material may be needed in areas where "holes" exist or may be expected to develop. This fill material should be placed before trucking begins.

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning, and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

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 3 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 3 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

5.2.3.13 - Heterobasidion root disease (HRD) (7/19)

This plantation is at risk of infection by the root rot fungus, *Heterobasidion irregulare*. To prevent the spread of this disease, cutting operations within payment units 1-3 are restricted to the period of January 1st through March 31st. Cutting may only occur outside this period with written permission of the Unit Manager or with the application of a preventative pesticide. Consultation with a forest health specialist will determine if cutting can occur prior to January 1 without pesticide application, dependent upon current and forecasted snow cover. Cellu-Treat and RotStop C are currently the only EPA registered products available in the United States for the control of *Heterobasidion*. Both products are a water-soluble powder that must be applied to the stump, in accordance with the product label. Dye must be added to these products to provide visible evidence of adequate coverage. Application of these pesticides requires licensing by the Michigan Department of Agriculture and Rural Development. All applicators are required to: provide to the Sale Administrator notification of application per requirements in 40 CFR 170.120; and document and provide to the Sale Administrator annually, by December 31 and prior to closure of sale, the volume of product used and acres treated.

5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

5.2.41 - Snowmobile trail protection (9/11)

There is a snowmobile trail adjacent to the sale that 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. 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. In addition, any trees cut within 5 feet of the trail must have the stumps removed and be disposed of according to the direction of the Unit Manager or his/her representative.

5.4 - Soil Protection

5.4.2 - Skid trails (2/04)

Skid trails up and down slopes should be avoided. If however this is unavoidable, these trails will be left in a non-erodible condition using water bars, logs, and slash. Placing of slash on these skid trails while logging is ongoing may alleviate need for any further action. At the direction of the sale administrator, seed, fertilizer, and mulch may also be required.

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 adjacent roads 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.

Sale Number	Year
61-041	21

Forest Management Unit Traverse City	County Grand Traverse	Mapped By Ruppen	Date 09/30/2021	Page 1	of 1
Township 27N	Range 9W	Section(s) and Subdivision(s) Sec 12 SESE/SWSW Sec 13 SWNW Sec 14 SENE	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 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

1	23.4
2	15.4
3	12.7

Roots Loop Red**Compartment 40****51.5 Acres**