



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7057**

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

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

CONTACT NAME: David Fisher

PHONE NUMBER: (231) 745-4651

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:

Howling Red Pine (61-619-22) / T26N, R05W, SEC. 30, NWSW,S1/2SW.

T26N, R05W, SEC. 31, NWNE.

T26N, R06W, SEC. 25, NESW,S1/2SW,SE.

T26N, R06W, SEC. 36, NENW,S1/2NW,NE.

Kalkaska County, Advertised Price \$349,486.55, 357.0 Acres, Jack Pine, Red Pine.

SALE NOTE: Payment Unit 10 will need crane mats for access through State land. An alternate route through private land can be obtained by Purchaser to avoid using crane mats to access the unit.

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

Howling Red Pine (61-619-22)

T26N, R05W, SEC. 30; T26N, R05W, SEC. 31; T26N, R06W, SEC. 25; T26N, R06W, SEC. 36.

Kalkaska County (Advertised Price \$349,486.55)

SALE NOTE: Payment Unit 10 will need crane mats for access through State land. An alternate route through private land can be obtained by Purchaser to avoid using crane mats to access the unit.

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		
Jack Pine	46.4 MBF	\$ 45.00 / MBF
Paper Birch	6.6 MBF	\$ 47.00 / MBF
Red Maple	37.8 MBF	\$ 178.00 / MBF
Red Oak	4.2 MBF	\$ 163.00 / MBF
Red Pine	433.9 MBF	\$ 132.00 / MBF
White Pine	5.8 MBF	\$ 68.00 / MBF
Pulpwood		
B. T. Aspen	21 Cords	\$ 23.90 / Cord
Black Cherry	13 Cords	\$ 24.10 / Cord
Jack Pine	426 Cords	\$ 22.15 / Cord
Paper Birch	17 Cords	\$ 17.80 / Cord
Red Maple	298 Cords	\$ 24.10 / Cord
Red Oak	13 Cords	\$ 26.05 / Cord
Red Pine	4,870 Cords	\$ 54.00 / Cord
White Pine	34 Cords	\$ 28.00 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 8.70 percent. There are an estimated 6,792 cords on this timber sale, plus or minus 591 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 \$17,474.33 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	1.8%
02	13.9%
03	9.5%
04	12.5%
05	9.2%
06	12.4%
07	4.6%
08	10.3%
09	10.2%
10	15.6%

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
536,539	6,792	8.70%	6,200	7,383

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
9	115,778	1,466	14.09%	1,259	1,672
18	116,968	1,481	11.61%	1,309	1,652
21	71,993	911	21.95%	711	1,111
23	11,545	146	43.98%	82	210
25	50,769	643	49.92%	322	963
33	91,347	1,156	20.98%	914	1,399
109	8,528	108	64.53%	38	178
209	12,741	161	51.74%	78	245
309	1,932	24	293.23%	47	96
409	54,937	695	17.97%	570	820
TOTAL:	536,539	6,792		5,236	8,347

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
9	96.9	5	41.2
		6	55.7
18	101.9	3	44.2
		4	57.7
21	27.5	2	27.5
23	10.9	1	10.9
25	24.7	9	24.7
33	42.2	10	42.2
109	10.7	7	10.7
209	5.6	7	5.6
309	1.3	7	1.3
409	35.3	8	35.3
TOTAL:	357.0		357.0

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Jack Pine Red Pine	Pulpwood	55 94	Cords Cords	10.9	\$6,294.25
2	Red Pine Jack Pine Red Pine	Sawtimber Pulpwood	21.6 19 841	MBF Cords Cords	27.5	\$48,686.05
3	Jack Pine Red Pine Jack Pine Red Pine	Sawtimber Pulpwood	3.2 15.1 40 561	MBF MBF Cords Cords	44.2	\$33,317.20
4	Jack Pine Red Pine Jack Pine Red Pine	Sawtimber Pulpwood	4.1 19.7 52 733	MBF MBF Cords Cords	57.7	\$43,518.70
5	Jack Pine Red Pine Jack Pine Red Pine	Sawtimber Pulpwood	5.1 15.6 38 537	MBF MBF Cords Cords	41.2	\$32,128.40
6	Jack Pine Red Pine Jack Pine Red Pine	Sawtimber Pulpwood	6.9 21.2 52 725	MBF MBF Cords Cords	55.7	\$43,410.70
7	Jack Pine Red Pine B. T. Aspen Jack Pine Red Pine	Sawtimber Pulpwood	0.7 9.2 7 2 268	MBF MBF Cords Cords Cords	17.6	\$15,929.50
8	Jack Pine Red Pine Jack Pine Red Maple Red Pine	Sawtimber Pulpwood	7.2 76.2 73 9 439	MBF MBF Cords Cords Cords	35.3	\$35,922.25
9	Jack Pine Red Oak Red Pine White Pine B. T. Aspen Black Cherry <i>Black Cherry</i> <i>Black Cherry</i> Jack Pine Red Maple Red Oak Red Pine White Pine	Sawtimber Pulpwood <i>Sawtimber</i> <i>Pulpwood</i>	4.1 4.2 34.3 5.8 7 2 <i>0.6</i> <i>1</i> 21 27 4 516 17	MBF MBF MBF MBF Cords Cords <i>MBF</i> <i>Cords</i> Cords Cords Cords Cords Cords	24.7	\$35,566.65
10	Jack Pine Paper Birch Red Maple Red Pine B. T. Aspen Black Cherry <i>Black Cherry</i> Jack Pine Paper Birch Red Maple	Sawtimber Pulpwood	15.1 6.6 37.8 221.0 7 11 <i>11</i> 74 17 262	MBF MBF MBF MBF Cords Cords <i>Cords</i> Cords Cords Cords	42.2	\$54,712.85

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
10 con't	Red Oak	Pulpwood	9	Cords		
	Red Pine		156	Cords		
	White Pine		17	Cords		
TOTAL:			534.7	MBF		
TOTAL:			5,692	Cords		

Sale Specific Conditions & Requirements

Sale Name: Howling Red Pine

Sale Number: 61-619-22 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 blue, red and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow 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) 2 and 9, cut all trees that are two (2) inches or more at DBH.

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

Within Payment Unit(s) 1 & 3-8, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition to marked trees, cut all jack pine and aspen.

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

Within Payment Unit(s) 10, all trees greater than 6 inches at DBH are designated for cutting, except do not cut white oak and trees marked with green paint above and below stump height.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

Payment Unit 2, 9 and 10 must be chip harvested to facilitate subsequent planting operations and within Payment Units 9 and 10 to meet National Guard requirements. Products may be produced as roundwood and forwarded to decking areas in final product length, but the tops must be left intact and skidded to the landing for chipping in order to minimize the amount of residual slash. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter is still applicable (G. C. & R. 2.2).

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 6 inches for all trees. This is in order 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, 3-8, and 10. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) greater than \$25,000 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

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured.

No damage is acceptable to undesignated live merchantable trees. Within the sale area, if more than 10% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

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.

4.1.11 - Permits (2/12)

The Purchaser will secure any necessary county road permits that may be required.

4.1.12 - No new roads (1/12)

No new roads will be permitted in any Payment Units. All operations are limited to existing roads and forest access roads. Skid trails only will be allowed.

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.

4.4 - Access

4.4.2 - Alternate route on private property (2/04)

It is the Purchaser's responsibility to obtain access across private land for any routes other than the route shown on the Timber Sale Map.

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.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)

No slash or tree tops within Payment Units 1 & 3-8 may exceed 24 inches in height.

5.2.3 - Operating Restrictions

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1 and 3-8, 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.

5.2.3.4 - Oak wilt restriction, no exceptions (1/18)

Within Payment Unit(s) 10 cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

5.2.3.7 - National Guard training restriction (1/09)

Operations on this contract may not be allowed during National Guard training operations. Typically, the restricted period is from May 1 to October 31. The contractor must check with the Unit Manager who will coordinate the cutting schedule

with the Military. This restriction only applies to Payment Units 9 and 10.

5.2.17 - Timber Mats and Interlocking Composite Mats (10/20)

Some roads or skid trails may require extra protection such as that afforded by timber mats, interlocking composite mats, or another approved system. Approximately 300 feet of road or trail will need extra protection to access Payment Unit 10 from Payment Unit 8. If available, mats may be borrowed from the DNR. A Timber Sale Contract Supplement will be used to document the Purchaser's use of the DNR's mats. Contact the sale administrator regarding availability and pick-up. Timber mats are available from various field offices. Composite mats are only available from the Grayling field office and the Marquette ICC. The Purchaser is responsible for picking up and hauling the mats to and from the site. The composite mats will require DNR staff onsite for installation and removal. Contact the sale administrator to schedule at least 30 days before desired install/removal date. All mats must be cleaned prior to drop off. This may include, but is not limited to, power washing and brushing to remove mud and debris. A charge of \$700.00 per timber mat and \$2,000.00 per composite mat will be assessed for all damaged or non-returned mats. Damage for the crane/timber mats is defined as three or more broken cants. Damage for the composite mats is defined as cracked or broken mats.

5.2.20 - Equipment width (2/04)

Equipment used must be capable of moving through cut rows without damaging residual trees. Extra trees will not be marked to get equipment down pine rows.

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.

5.4 - 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.

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 all county and state 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.

7 - Other Conditions

7.3 - Contract Modifications

7.3.3 - Modification for reforestation (8/05)

When contractual work of Purchaser has been accepted for any Payment Unit identified on Sale Area Map, Payment Unit will be eliminated from the Sale Area on written notice so that reforestation operations can begin.

7.10 - Certified Timber

7.10.1 - Non-certified timber (2/16)

The area encompassed by this timber sale is not certified to the standards of the Forest Stewardship Council (FSC) or the Sustainable Forestry Initiative (SFI). Forest products from this sale may not be delivered to the mill as "FSC and / or SFI

certified". Payment Units 9 and 10 are managed for military training.

**TIMBER SALE MAP***This information provided by authority of Part 525, 1994 PA 451, as amended.*

Forest Management Unit		County	Mapped By Tom Peterson		Date	Page of	
Traverse City Management Unit		Kalkaska County	Cruised By VanOss Forestry & Peterson		5/31/2022	1	1
Township	Range	Section(s) and Subdivision(s)			Scale		
26N	05W & 06W	05W - Sections 30 & 31 / 06W - Sections 25 & 36			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 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 Decidious	T = Tamarack					

Howling Red Pine

Compartment 61132

357.0 Acres

