



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7244**

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on April 17, 2023.

LOCATION: GRAYLING MGMT UNIT, 1955 HARTWICK PINES ROAD, GRAYLING, MI 49738.

CONTACT NAME: Thomas Barnes

PHONE NUMBER: (989) 348-6371

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

White & 612 Pine (72-622-19) / T28N, R03W, SEC. 26, NWSW,S1/2SW.

Crawford County, Advertised Price \$5,913.75, 43.5 Acres, Aspen, Red Pine.

SALE NOTE: This harvest involves thinning a planted windbreak along White Road and CR 612, and clearcutting scotch pine that has been invading the area around the Military Medivac Landing Zone (LZ Charlie). Chipping is required to reduce the scotch pine seed source.

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

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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 T-Sale computer program and our traditional volume equations. 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	25.0	MBF	\$	73.00 / MBF
Pulpwood				
Jack Pine	4	Cords	\$	12.20 / Cord
Mixed Aspen	35	Cords	\$	16.05 / Cord
Red Pine	36	Cords	\$	23.85 / Cord
Scotch Pine	280	Cords	\$	9.00 / Cord
Sugar Maple	3	Cords	\$	17.75 / Cord
White Pine	3	Cords	\$	15.45 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 22.06 percent. There are an estimated 412 cords on this timber sale, plus or minus 91 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 \$1,000.00 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	71.3%
02	28.7%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2025.

SALE STATISTICS

SALE VOLUMES

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
32,513	412	22.06%	321	502

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
39	0	0	20.92%	0	0
45	0	0	45.40%	0	0
TOTAL:	0	0		0	0

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
39	9.0	1	9.0
45	34.5	2	34.5
TOTAL:	43.5		43.5

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Sawtimber	25.0	MBF	9.0	\$4,215.80
	Jack Pine	Pulpwood	4	Cords		
	Mixed Aspen		6	Cords		
	B. T. Aspen	Sawtimber	0.4	MBF		
	B. T. Aspen	Pulpwood	2	Cords		
	Quaking Aspen		3	Cords		
	Red Pine		36	Cords		
	Scotch Pine		147	Cords		
	Scotch Pine	Sawtimber	7.5	MBF		
	Scotch Pine	Pulpwood	132	Cords		
	Sugar Maple		1	Cords		
	White Pine		3	Cords		
2	Mixed Aspen	Pulpwood	29	Cords	34.5	\$1,697.95
	Quaking Aspen	Sawtimber	0.7	MBF		
	B. T. Aspen	Pulpwood	16	Cords		
	Quaking Aspen		12	Cords		
	Scotch Pine		133	Cords		
	Scotch Pine	Sawtimber	7.7	MBF		
	Scotch Pine	Pulpwood	118	Cords		
	Sugar Maple		2	Cords		
TOTAL:			25.0	MBF		
TOTAL:			361	Cords		

Sale Specific Conditions & Requirements

Sale Name: White & 612 Pine

Sale Number: 72-622-19 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (1/14)

The sale boundary is marked and identified by red paint, with designated unpainted Payment Unit boundaries. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are unpainted and designated as the covertime lines shown on the timbersale map. Payment Unit 1 is the planted pine windbreak along White Road and County Road 612. Payment Unit 2 is naturally-established scotch pine with patches of aspen. LZ Charlie is a maintained opening that is not part of either Payment Unit. The painted boundary line trees are not Included Timber and are to be protected except cut all scotch pine, jack pine and aspen boundary trees once the interior edge has been cut.

2 - Timber Specifications

2.1 - Included Timber

2.1.1 - Clearcut unit(s) with unmerchantable trees (6/14)

Within Payment Unit(s) 2, cut all scotch pine, jack pine and aspen trees that are two (2) inches or more at DBH, including dead trees of those species. Also cut all maple trees that are less than 10 inches at DBH.

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

Within Payment Unit(s) 1, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, cut all scotch pine, jack pine and aspen trees that are two inches or more at DBH, including dead trees of those species.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

This area must be chip harvested to meet National Guard requirements. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portion of the trees must be chipped and hauled. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter does not apply (G. C. & R. 2.2) because the area is used for Military training.

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 military requirements.

3 - Payments

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.

3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are the black walnut and American elm trees. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$500 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

4 - Transportation

4.1 - Construction

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 chipped, utilized or otherwise removed from the sale. 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 a four (4') foot high berm of stumps and logs covered with earth. Contact the sale administrator for specific details of design and placement.

4.1.11 - Permits (2/12)

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

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 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.

5.1.5 - National Guard notification (2/15)

This sale is upon lands utilized for training by the Michigan National Guard - Camp Grayling. A minimum of five (5) business days prior to opening this sale, the producer must request that the sale administrator contact the military for information regarding training plans that may impact sale operations.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in the maintained wildlife opening which is indicated as "Medivac LZ Charlie" on the Timber Sale Map. The opening is used as a helicopter landing zone and bivouac area during Military training. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

5.2.3 - Operating Restrictions

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1, 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.

5.2.3.7 - National Guard training restriction (1/09)

Operations on this contract will 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. Harvest equipment and timber products may need to be removed from the sale area during the period of May 1 to October 31.

5.2.29 - Shrub protection (9/07)

Do not cut or damage apple trees, hawthorn, cherry, or junberry. These woody-shrub plants are highly beneficial to various wildlife species.

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. Slash and wood chips must be removed or spread out across landing areas and

may not be windrowed on the edge.

5.2.37 - No decking areas (12/08)

No decking is allowed within the maintained opening shown as "Medivac LZ Charlie" on the timbersale map without permission of the Unit Manager or his/her representative.

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

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

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.

5.5 - Protection of Improvements

5.5.3 - Protection of improvements detail (10/13)

The following are specific protection measures for this sale. Protect the concrete parking pad on the edge of Payment Unit 1 adjacent to LZ Charlie.

7 - Other Conditions

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". The lands within this sale are managed for Military training.

8 - Performance and Settlement

8.3 - Uncompleted or Terminated Contracts

8.3.1 - Completion of contract, chipping (1/16)

In addition to cutting, all chipping must be completed by the contract expiration date. If chipping has not been completed, an extension fee or damages may be charged per General Condition & Requirement 7.2 and 8.3.

**TIMBER SALE MAP**

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

Sale Number	Year
72 - 622	19

Forest Management Unit Grayling	County Crawford	Mapped By Charlebois	Date 08/14/2019	Page 1	of 1
Township 28N	Range 3W	Section(s) and Subdivision(s) Section 26: W1/2SW, SESW	Scale 1:7,920		

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

1	9
2	34.5

White & 612 Pine
Compartment 241
43.5 AcresGeo
PDF
map**Legend**

- Sale Boundary: red paint
- Payment Unit: designated unpainted covertype boundary
- 1** Payment Unit #
- Mowed Medivac Zone
- Paved Road
- Poor Dirt Road
- Compartment Boundary
- Survey Corner
- 26** Section Number
- Adjacent Residence
- Concrete Pad

