



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7206**

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on March 20, 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:

Total Red Case (72-623-22) / T27N, R02W, SEC. 1 , SWNW,NWSW.

T27N, R02W, SEC. 2 , SENW,NE,NESW,S1/2SW,N1/2SE.

T27N, R02W, SEC. 2 , SWSE.

Crawford County, Advertised Price \$145,391.00, 131.8 Acres, Aspen, Hardwood.

SALE NOTE: Sale is non-certified on military lands.

## TIMBER SALE INFORMATION

Total Red Case (72-623-22)

T27N, R02W, SEC. 1; T27N, R02W, SEC. 2.  
Crawford County (Advertised Price \$145,391.00)

SALE NOTE: Sale is non-certified on military lands.

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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
B. T. Aspen	120.6 MBF	\$ 83.00 / MBF
Bl/R/Hybrid Oak	562.3 MBF	\$ 141.00 / MBF
Red Maple	6.0 MBF	\$ 75.00 / MBF
White Oak	43.0 MBF	\$ 79.00 / MBF
Pulpwood		
B. T. Aspen	183 Cords	\$ 26.95 / Cord
Mixed Oak	1,397 Cords	\$ 28.15 / Cord
Red Maple	278 Cords	\$ 28.75 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 13.66 percent. There are an estimated 3,826 cords on this timber sale, plus or minus 523 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 \$7,269.55 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	32.6%
02	16.7%
03	14.5%
04	14.7%
05	21.5%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2025.

### **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
302,222	3,826	13.66%	3,303	4,348

**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
31	302,222	3,826	13.66%	3,303	4,348
<b>TOTAL:</b>	<b>302,222</b>	<b>3,826</b>		<b>3,303</b>	<b>4,348</b>

**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
31	131.8	1	42.9
		2	22.0
		3	19.1
		4	19.4
		5	28.4
<b>TOTAL:</b>	<b>131.8</b>		<b>131.8</b>

**DESCRIPTION OF TIMBER BY PU (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	39.2	MBF	42.9	\$47,305.55
	Bl/R/Hybrid Oak		182.9	MBF		
	Red Maple		1.9	MBF		
	White Oak		14.0	MBF		
	B. T. Aspen	Pulpwood	59	Cords		
	Mixed Oak		455	Cords		
	Bl/R/Hybrid Oak		350	Cords		
	White Oak		105	Cords		
	Red Maple		91	Cords		
2	B. T. Aspen	Sawtimber	20.1	MBF	22.0	\$24,268.90
	Bl/R/Hybrid Oak		93.9	MBF		
	Red Maple		1.0	MBF		
	White Oak		7.2	MBF		
	B. T. Aspen	Pulpwood	31	Cords		
	Mixed Oak		233	Cords		
	Bl/R/Hybrid Oak		179	Cords		
	White Oak		54	Cords		
	Red Maple		46	Cords		
3	B. T. Aspen	Sawtimber	17.5	MBF	19.1	\$21,093.40
	Bl/R/Hybrid Oak		81.5	MBF		
	Red Maple		0.9	MBF		
	White Oak		6.2	MBF		
	B. T. Aspen	Pulpwood	27	Cords		
	Mixed Oak		203	Cords		
	Bl/R/Hybrid Oak		156	Cords		
	White Oak		47	Cords		
	Red Maple		40	Cords		
4	B. T. Aspen	Sawtimber	17.8	MBF	19.4	\$21,394.55
	Bl/R/Hybrid Oak		82.8	MBF		
	Red Maple		0.9	MBF		
	White Oak		6.3	MBF		
	B. T. Aspen	Pulpwood	27	Cords		
	Mixed Oak		205	Cords		
	Bl/R/Hybrid Oak		158	Cords		
	White Oak		47	Cords		
	Red Maple		41	Cords		
5	B. T. Aspen	Sawtimber	26.0	MBF	28.4	\$31,328.60
	Bl/R/Hybrid Oak		121.2	MBF		
	Red Maple		1.3	MBF		
	White Oak		9.3	MBF		
	B. T. Aspen	Pulpwood	39	Cords		
	Mixed Oak		301	Cords		
	Bl/R/Hybrid Oak		232	Cords		
	White Oak		69	Cords		
	Red Maple		60	Cords		
TOTAL:			731.9	MBF		
TOTAL:			1,858	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Total Red Case**

**Sale Number: 72-623-22 Seq#: 2**

### **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. The painted boundary line trees are not Included Timber and are to be protected.

### **2 - Timber Specifications**

#### **2.1 - Included Timber**

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

Within Payment Unit(s) 1, 2, 3, 4, and 5, cut all trees that are two (2) inches or more at DBH.

##### **2.1.14 - Dead oak (1/15)**

Dead oak (defined as loose bark and no live branches) may be cut throughout the sale area. If cut, it must be skidded and piled separately on the landing. The sale administrator will measure the dead oak and the wood cannot be hauled prior to scaling. The Purchaser will be invoiced at \$10.00 per cord. The contractor has 30 days to pay from the date of the invoice.

#### **2.2 - Utilization**

##### **2.2.2 - Chipping required (2/18)**

This area must be chip harvested to meet National Guard requirements. However, the chipping requirement could be waived with military approval, if chip markets are depressed. 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). This is because non-certified military lands.

##### **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**

#### **3.3 - Pre-measured Sales**

##### **3.3.4 - Dividing payment units (7/14)**

Payment Unit(s) 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.

### **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 chipped, utilized or otherwise removed from the sale.

##### **4.1.4 - Timber removed for construction (12/09)**

Trees cut or damaged in the process of pre-approved road, landing or skid trail construction will be decked in an area separate from other Designated Timber and not removed until measured by the sale administrator. Payment will be made at the specified Purchase Unit Price.

##### **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. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the sale administrator for specific details of design and placement.

#### 4.1.11 - Permits (2/12)

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

## 5 - Operations

### 5.1 - Notification

#### 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

#### 5.2.2 - Hazard Trees/Snags

##### 5.2.2.1 - Den trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

#### 5.2.3 - Operating Restrictions

##### 5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 1, 2, 3, 4, and 5, unless changed by written agreement, 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. Operations may be allowed if specific steps are taken to prevent damaging uncut oak during the high risk period. Those steps may include completing all road brushing before April 15th and clearing a tree-length buffer along uncut oak cover before April 15th. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

##### 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 Purchaser must check with the Unit Manager who will coordinate the cutting schedule with the Military. All harvest equipment and timber products must be removed from the sale area during the period of May 1 to October 31, unless otherwise approved by the Unit Manager.

#### 5.2.4 - Dead and Down Creation

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

To encourage grouse and other wildlife, in Payment Unit(s) 1, 2, 3, 4, and 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 oak or maple or if no hardwoods are present, a pine species (white or red). These trees will be evenly scattered throughout the unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles.

#### 5.2.29 - Shrub protection (1/20)

A reasonable effort should be made to protect from damage hawthorn, witch-hazel, dogwood and 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. 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.

### 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.

### 5.7 - Protection of Historical Sites

#### 5.7.2 - Potential historical site(s) (9/06)

The State Historic Preservation Office has identified the potential for a historic site within the boundary of this timber sale. Note that if the site is discovered during operations, General Condition and Requirement 5.7 - Protection of Historical Sites will apply.

## 6 - Safety and Fire Prevention

SKIP

#### 6.4 - Unexploded ordinance (7/15)

Be aware that the sale area could contain UXO (unexploded ordinances). Do not touch, or drive over any metal objects. If any objects are found, please flag the area and notify the Unit Manager or his/her representative, so that they can make arrangements with the Military.

## 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.

**TIMBER SALE MAP**

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

Sale Number	Year
72-623	22

Forest Management Unit Grayling	County Crawford	Mapped By Derek Nellis	Date 09/27/2022	Page 1	of 1
Township 27N	Range 02W	Section(s) and Subdivision(s) SWNW, NWSW sec 1; SWSE, SENW, NE, NESW, S1/2W, N1/2E Sec 2	Scale 1:15,840		

**Cover Type**

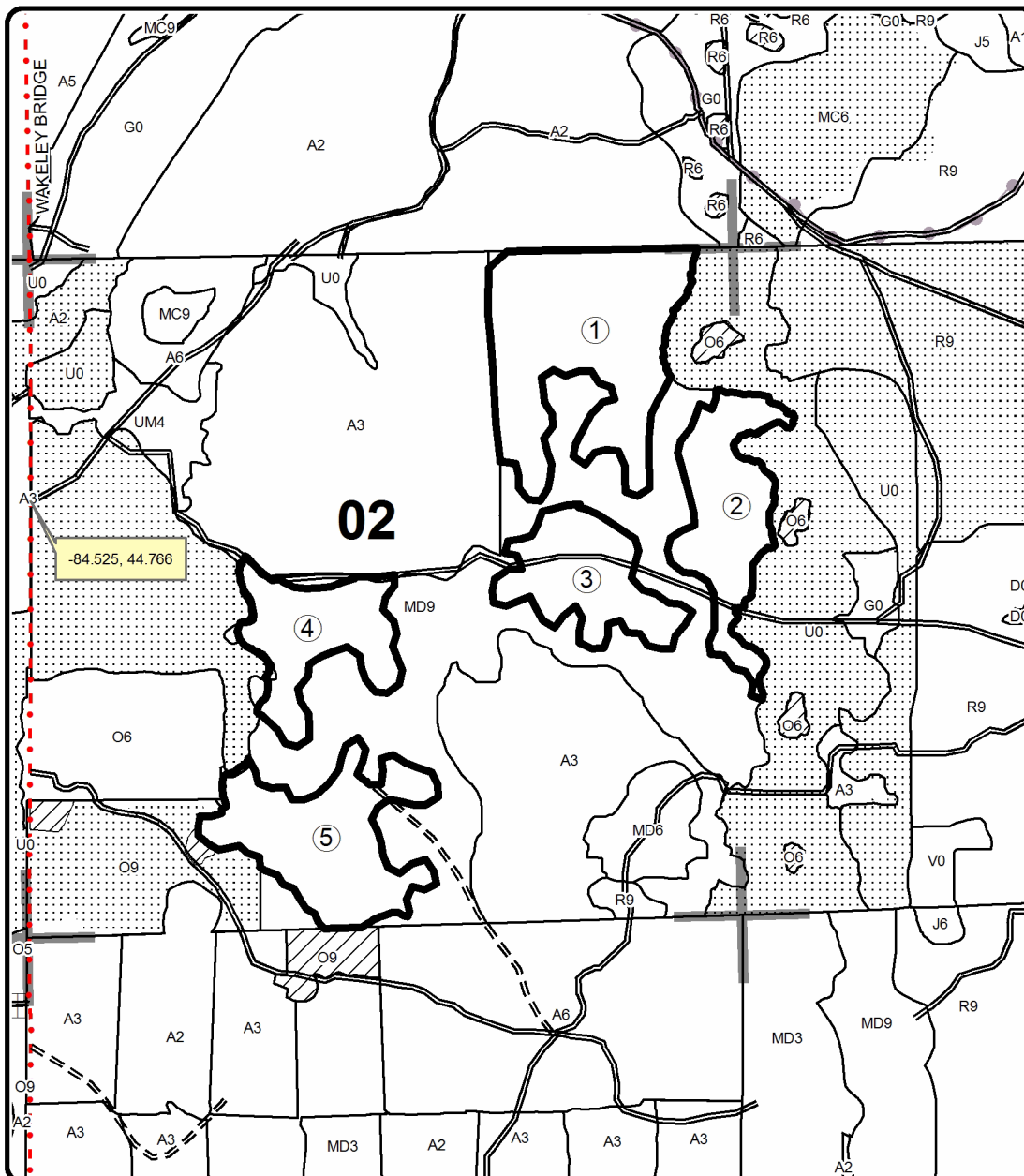
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked
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	PU	Acres
1	42.9	5	28.4
4	19.4	3	19.1
2	22.0		

**Total Red Case**  
**Compartment 263**  
**131.8 Acres**

**Legend**

● Recreational Trails

Gate

Secondary Forest Road

Forest Access Route

Gravel Road

Retention Area

Against State (Red)

Stand Boundaries

Nearby Timber Sale

**02** Section Numbers

Section Corners



0 1/4 1/2 3/4 1 Miles