



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7382**

**SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on March 11, 2024.**

**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:

Ditchout Brown Oak (72-640-23) / T27N, R02W, SEC. 23, NWSE, S1/2SE.

T27N, R02W, SEC. 24, S1/2NW, N1/2SW, S1/2SE.

Crawford County, Advertised Price \$81,850.25, 109.8 Acres, Aspen, Hardwood.

SALE NOTE: This sale is located inside the Range 30 safety fan on non-certified military land. Sale contains standard military specs and restrictions. Sale contains hard and soft oak wilt timing restrictions as well.

## TIMBER SALE INFORMATION

Ditchout Brown Oak (72-640-23)  
T27N, R02W, SEC. 23; T27N, R02W, SEC. 24.  
Crawford County (Advertised Price \$81,850.25)

**SALE NOTE:** This sale is located inside the Range 30 safety fan on non-certified military land. Sale contains standard military specs and restrictions. Sale contains hard and soft oak wilt timing restrictions as well.

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		
Black/Red (Hybrid) Oak	180.9 MBF	\$ 142.00 / MBF
White Oak	80.6 MBF	\$ 107.00 / MBF
Pulpwood		
B. T. Aspen	435 Cords	\$ 29.45 / Cord
Jack Pine	7 Cords	\$ 23.15 / Cord
Mixed Oak	956 Cords	\$ 27.05 / Cord
Red Maple	190 Cords	\$ 32.20 / Cord
Red Pine	54 Cords	\$ 46.55 / Cord
White Pine	3 Cords	\$ 24.65 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 18.76 percent. There are an estimated 2,258 cords on this timber sale, plus or minus 424 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 \$4,092.51 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	14.4%
02	53.7%
03	31.9%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2026.

### **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
178,378	2,258	18.76%	1,834	2,682

## 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
36	15,617	198	43.47%	112	284
39	45,420	575	34.14%	379	771
47	92,437	1,170	15.53%	988	1,352
58	24,904	315	27.79%	228	403
<b>TOTAL:</b>	<b>178,378</b>	<b>2,258</b>		<b>1,706</b>	<b>2,810</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
36	7.5	3	7.5
39	20.1	3	20.1
47	57.6	2	57.6
58	24.6	1	24.6
<b>TOTAL:</b>	<b>109.8</b>		<b>109.8</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black/Red (Hybrid	Sawtimber	14.8	MBF	24.6	\$11,767.50
	White Oak		33.0	MBF		
	B. T. Aspen	Pulpwood	61	Cords		
	Jack Pine		7	Cords		
	Mixed Oak		100	Cords		
	/Red (Hybrid) Oak		36	Cords		
	White Oak		64	Cords		
	Red Maple		11	Cords		
	Red Maple	Sawtimber	1.4	MBF		
	Red Maple	Pulpwood	8	Cords		
	Red Pine		24	Cords		
2	Black/Red (Hybrid	Sawtimber	125.5	MBF	57.6	\$43,998.05
	White Oak		33.7	MBF		
	B. T. Aspen	Pulpwood	128	Cords		
	Mixed Oak		608	Cords		
	/Red (Hybrid) Oak		412	Cords		
	White Oak		196	Cords		
	Red Maple		37	Cords		
	Red Maple		37	Cords		
	Red Pine		25	Cords		
3	Black/Red (Hybrid	Sawtimber	40.6	MBF	27.6	\$26,084.70
	White Oak		13.9	MBF		
	B. T. Aspen	Pulpwood	246	Cords		
	Mixed Oak		248	Cords		
	/Red (Hybrid) Oak		168	Cords		
	White Oak		80	Cords		
	Red Maple		142	Cords		
	Red Maple	Sawtimber	3.3	MBF		
	Red Maple	Pulpwood	135	Cords		
	Red Pine		5	Cords		
	White Pine		3	Cords		
	TOTAL:			261.5		
TOTAL:			1,645	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Ditchout Brown Oak**

**Sale Number: 72-640-23 Seq#: 2**

### **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 red paint, along with unmarked immature stands. Exterior sale boundary lines against state are marked with red paint, with the exception of the northwest boundary of Payment Unit 1 and the northern boundary of Payment Unit 2, which are unmarked and identified by immature stands labeled "MD2" & "A3" on the Timber Sale Map. 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.

### **2 - Timber Specifications**

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

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

Within Payment Unit(s) 1-3, cut all trees that are two (2) inches or more at DBH, except do not cut any trees marked with green paint. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected. Special protection areas identified in accordance with condition 3.4.3, within clearcutting unit boundaries, are not Included Timber and are to be protected.

#### **2.2 - Utilization**

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

Payment Units 1-3 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 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 treetops and limbs less than four inches in diameter does not apply (G. C. & R. 2.2). This is because this is non-certified military land.

##### **2.2.3 - Stump heights (4/07)**

Stump heights within Payment Units 1-3 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.

#### **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. In addition, reasonable care should be taken to avoid damage to tree seedlings and saplings within Payment Unit 1.

Within Payment Unit 1, if more than 30% of the tree seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the Sale Area are damaged, liquidated damages will be assessed at \$400 per acre for all acreage within that specified portion of the Sale Area that was damaged. Trees cut cleanly in skid trails and for operational purposes will not be counted as damage.

##### **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

legacy trees marked with green paint. 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.

#### 3.4.3 - Special Protection Areas (8/11)

The Purchaser shall protect special protection areas from damage by the Purchaser's operations. Special protection areas are marked with a red boundary line and are identified by red hashed area on the Timber Sale Map. If the Purchaser's operations have cut or damaged special protection areas through carelessness, the Purchaser shall pay \$1000 as fixed, agreed and liquidated damages for each acre or part thereof 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. Stumps and brush must be placed along the remainder of the trail. These roads must be rendered impassable to cars and trucks. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. These stumps must be scattered along the road system to prohibit vehicular movement. 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

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

Within Payment Unit 1, 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.

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

Within Payment Units 2 & 3, 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 contractor must check with the Unit Manager who will coordinate the cutting schedule with the Military.

#### 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) 3, 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 Payment Unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles.

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

Do not cut or damage hawthorn & 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.

#### 5.2.37 - No decking areas (12/08)

No decking is allowed in the red hashed area labeled "G0" on the Timber Sale Map.

#### 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.

#### 5.7 - Protection of Historical Sites

##### 5.7.1 - Historical sites (7/12)

The Purchaser shall not cut live or dead trees or operate equipment within historical sites. Historical sites are marked with a red boundary line. The Purchaser shall protect historical sites from damage by the Purchaser's operations. If Purchaser's operations have cut or damaged historical sites through carelessness, the Purchaser shall pay \$1000 as fixed, agreed and liquidated damages for each acre or part thereof cut or damaged.

### 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 roads used for hauling 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.

#### 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.

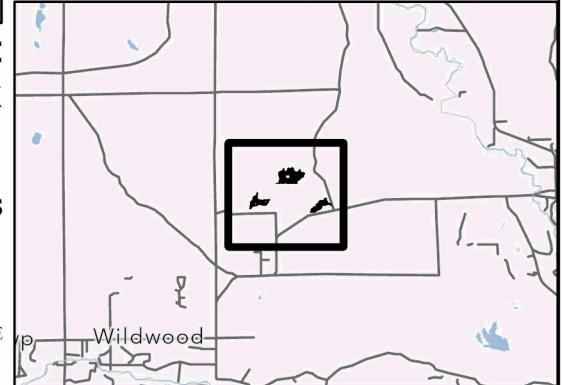
Sale Number  
**72-640-23**Date  
**11/29/2023**Forest Management Unit  
Grayling Mgt UnitCounty  
CrawfordMapped By: Scott McClarren  
Cruised By: Scott McClarrenScale  
1:20,000Page  
1Of  
1Township  
27NRange  
02WSection(s) and  
Subdivision(s) Sec. 23 NWSE,S1/2SE; Sec. 24 S1/2NW,N1/2SW,S1/2SE**Cover Type**

A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous		Z = Water
H = Hemlock	N = Marsh		

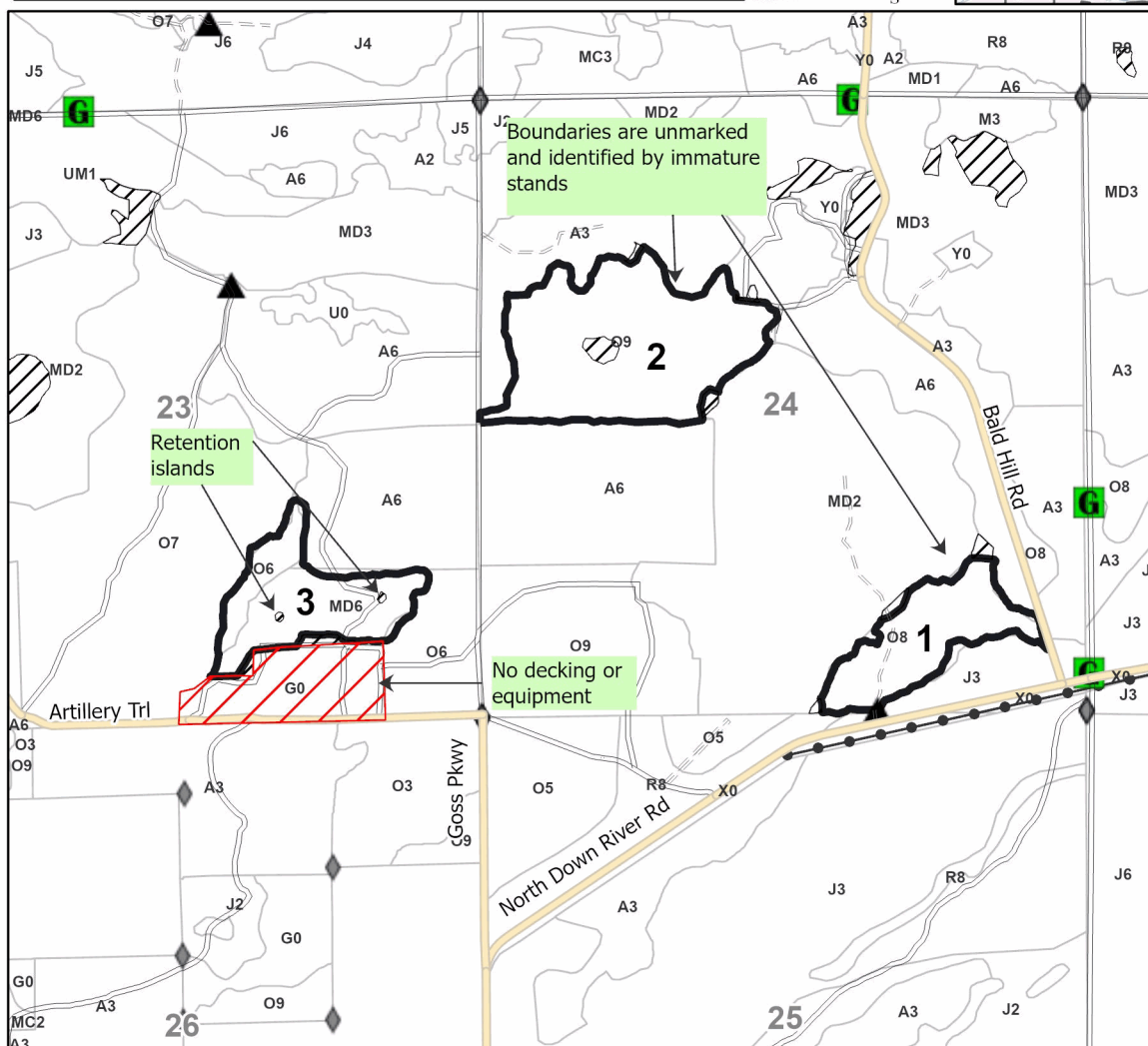
**Density**

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	24.6
2	57.6
3	27.6

**Ditchout  
Brown Oak  
Comp 260  
109.8 Acres****Locator Map (1:200,000)**

0 0.3 0.6 1.2 Miles

**Legend**

- Stand
- Retention Areas (Red)
- No Decking
- Against State (Red)
- Powerline
- Secondary Forest Road
- Forest Access Route
- Non-DNR Road
- Field Grade Corner
- Berm
- Gate

Use QR Code to open Map in App

