



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN**

**TIMBER SALE PROSPECTUS #6941**

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on November 8, 2021.**

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:

Duvall Aspen Oak (72-020-21) / T25N, R08E, SEC. 32, SW.

Alcona County, Advertised Price \$29,605.15, 50.0 Acres, Aspen, Hardwood.

SALE NOTE: Access will be difficult. Crane mats may be needed in certain locations. Once in sale area, good operating terrain.

Access may be through other public land.

## 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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
B. T. Aspen	55.0 MBF	\$ 24.00 / MBF
Mixed Oak	78.7 MBF	\$ 92.00 / MBF
Red Maple	6.9 MBF	\$ 44.00 / MBF
Red Oak	9.5 MBF	\$ 115.00 / MBF
Red Pine	6.1 MBF	\$ 78.00 / MBF
White Oak	15.2 MBF	\$ 67.00 / MBF
Pulpwood		
B. T. Aspen	384 Cords	\$ 19.65 / Cord
Balsam Fir	8 Cords	\$ 9.25 / Cord
Jack Pine	30 Cords	\$ 13.10 / Cord
Mixed Oak	324 Cords	\$ 19.55 / Cord
Red Maple	172 Cords	\$ 20.45 / Cord
Red Pine	3 Cords	\$ 26.25 / Cord
White Pine	15 Cords	\$ 14.10 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 11.52 percent. There are an estimated 1,279 cords on this timber sale, plus or minus 147 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 \$1,480.26 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	58.7%
02	41.3%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2024.

### **SALE STATISTICS**

#### **SALE VOLUMES**

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
101,009	1,279	11.52%	1,131	1,426

**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
90	59,843	758	13.27%	657	858
93	41,143	521	18.07%	427	615
TOTAL:	100,986	1,278		1,084	1,473

**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
90	33.7	1	33.7
93	16.3	2	16.3
TOTAL:	50.0		50.0

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
1	B. T. Aspen	Sawtimber	49.7	MBF	33.7	\$17,385.55	
	Mixed Oak		60.5	MBF			
	<i>Bl/R/Hybrid Oak</i>		1.2	<i>MBF</i>			
	<i>Northern Pin Oak</i>		59.3	<i>MBF</i>			
	Red Maple	4.2	MBF				
	White Oak	10.2	MBF				
	B. T. Aspen	Pulpwood	138	Cords			
	Balsam Fir		7	Cords			
	Jack Pine		30	Cords			
	<i>Jack Pine</i>		<i>Sawtimber</i>	2.3			<i>MBF</i>
	<i>Jack Pine</i>		<i>Pulpwood</i>	25			<i>Cords</i>
	Mixed Oak		268	Cords			
	<i>Bl/R/Hybrid Oak</i>		1	<i>Cords</i>			
	<i>Northern Pin Oak</i>		228	<i>Cords</i>			
	<i>White Oak</i>		39	<i>Cords</i>			
	Red Maple		66	Cords			
2	B. T. Aspen		Sawtimber	5.3	MBF	16.3	\$12,219.60
	Mixed Oak			18.2	MBF		
	<i>Northern Pin Oak</i>	18.2		<i>MBF</i>			
	Red Maple	2.7		MBF			
	Red Oak	9.5	MBF				
	Red Pine	6.1	MBF				
	White Oak	5.0	MBF				
	B. T. Aspen	Pulpwood	246	Cords			
	Balsam Fir		1	Cords			
	Mixed Oak		56	Cords			
	<i>Northern Pin Oak</i>		35	<i>Cords</i>			
	<i>Red Oak</i>		10	<i>Cords</i>			
	<i>White Oak</i>		11	<i>Cords</i>			
	Red Maple		106	Cords			
	Red Pine		3	Cords			
	White Pine		15	Cords			
TOTAL:			171.4	MBF			
TOTAL:			936	Cords			

## **Sale Specific Conditions & Requirements**

**Sale Name: Duvall Aspen Oak**

**Sale Number: 72-020-21 Seq#: 1**

### **1 - Sale Area**

#### **1.2 - Boundaries**

##### **1.2.1 - Painted boundaries (1/14)**

The sale boundary and Payment Unit boundaries are marked and identified by red and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. The painted boundary line trees are not Included Timber and are to be protected. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

### **2 - Timber Specifications**

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

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

Within Payment Unit(s) 1 and 2, cut all trees that are two (2) inches or more at DBH, except within Payment Unit 1, do not cut red pine or white pine and within Payment Unit 2, do not cut red pine greater than 20" at DBH.

##### **2.1.11 - Description of timber note (2/04)**

Note that mixed oak sawtimber contains black/red hybrid and northern pin oak. Also, mixed oak pulpwood contains red, white, hybrid and pin oak.

### **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.

##### **4.1.6 - 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 scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. 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. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. These roads must be rendered impassable to cars and trucks. 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**

##### **5.1.1 - 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 5 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 48 inches in height.

### 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

#### 5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1 and 2, cutting, skidding, and hauling are only permitted during dry summer or frozen winter conditions. This restriction is to prevent rutting within the harvest area to protect Eastern Massasauga Rattlesnake habitat.

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

Within Payment Unit(s) 1 and 2, 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.

### 5.2.4 - Dead and Down Creation

#### 5.2.4.5 - Dead and down creation, reptiles and amphibians (2/05)

To encourage reptiles and amphibians, within Payment Unit(s) 1 and 2, leave one, 14" DBH or greater full-length tree on the ground, with the top still intact, for every 5 acres. These trees shall be evenly scattered throughout the Payment Unit(s) and identified by blue flagging.

#### 5.2.4.6 - Dead and down creation, other (9/09)

In order to satisfy Eastern Massasauga Rattlesnake Conservation recommendations, leave a minimum of 4 tops per acre throughout the Sale Area to increase fine and coarse woody debris. This is especially important in transition zones to adjacent lowland stands.

### 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.

## TIMBER SALE MAP

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

Forest Management Unit Grayling		County Alcona	Mapped By Trevor Kubitskey	Date 8/25/2021	Page 1	of 1
Township 25N	Range 08E	Section(s) and Subdivision(s) Sec. 32 SW1/4		Scale 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 Deciduous	T = Tamarack			

<b>PU</b>	<b>Acres</b>
<b>1</b>	<b>33.7</b>
<b>2</b>	<b>16.3</b>

# Duvall Aspen Oak

Compartment 65  
50 Acres

