



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN**

**TIMBER SALE PROSPECTUS #7034**

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on March 24, 2022.**

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:

Pipeline HWs (72-030-21) / T28N, R03W, SEC. 31, S1/2SW,SWSE.

Crawford County, Advertised Price \$40,747.40, 29.8 Acres, Hardwood, Sugar Maple.

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

The beech component in this lower-quality hardwoods stand is breaking up. The site will be converted to Red Pine management. There is a heavy understory of beech and ironwood that must be cut cleanly in order to facilitate follow-up planting operations. CR-612 from I-75 to Old 27 was a Class-A road in 2021.

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 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		
Beech	3.9 MBF	\$ 69.00 / MBF
Red Maple	9.1 MBF	\$ 50.00 / MBF
Red Pine	8.5 MBF	\$ 89.00 / MBF
Sugar Maple	119.1 MBF	\$ 165.00 / MBF
White Pine	8.5 MBF	\$ 57.00 / MBF
Pulpwood		
Misc. Species 1	2 Cords	\$ 5.50 / Cord
Mixed Aspen	136 Cords	\$ 25.10 / Cord
Mixed Hardwood	620 Cords	\$ 24.75 / Cord
Red Pine	7 Cords	\$ 31.10 / Cord
White Pine	7 Cords	\$ 20.50 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 7.71 percent. There are an estimated 1,126 cords on this timber sale, plus or minus 87 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 \$2,037.37 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	45.0%
02	55.0%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2024.

### **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
88,930	1,126	7.71%	1,039	1,213

## 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
19	84,583	1,071	7.72%	988	1,153
<b>TOTAL:</b>	<b>84,583</b>	<b>1,071</b>		<b>988</b>	<b>1,153</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
19	29.8	1	13.4
		2	16.4
<b>TOTAL:</b>	<b>29.8</b>		<b>29.8</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Beech	Sawtimber	1.8	MBF	13.4	\$18,324.65
	Red Maple		4.1	MBF		
	Red Pine		3.8	MBF		
	Sugar Maple		53.6	MBF		
	White Pine		3.8	MBF		
	Misc. Species 1		1	Cords		
	Mixed Aspen		61	Cords		
	<i>B. T. Aspen</i>		46	<i>Cords</i>		
	<i>Quaking Aspen</i>		15	<i>Cords</i>		
	Mixed Hardwood		279	Cords		
	<i>Beech</i>		38	<i>Cords</i>		
	<i>Red Maple</i>		10	<i>Cords</i>		
	<i>Sugar Maple</i>		231	<i>Cords</i>		
	Red Pine		3	Cords		
	White Pine		3	Cords		
2	Beech	Sawtimber	2.1	MBF	16.4	\$22,422.75
	Red Maple		5.0	MBF		
	Red Pine		4.7	MBF		
	Sugar Maple		65.5	MBF		
	White Pine		4.7	MBF		
	Misc. Species 1		1	Cords		
	Mixed Aspen		75	Cords		
	<i>B. T. Aspen</i>		56	<i>Cords</i>		
	<i>Quaking Aspen</i>		19	<i>Cords</i>		
	Mixed Hardwood		341	Cords		
	<i>Beech</i>		46	<i>Cords</i>		
	<i>Red Maple</i>		13	<i>Cords</i>		
	<i>Sugar Maple</i>		282	<i>Cords</i>		
	Red Pine		4	Cords		
	White Pine		4	Cords		
TOTAL:			149.1	MBF		
TOTAL:			772	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Pipeline HWs**

**Sale Number: 72-030-21 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 blue and red paint and designated unpainted boundaries as shown on the Timber Sale Map. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint in addition to an unpainted boundary designated as the I-75 ROW fence. Interior Payment Unit boundaries are unpainted and designated as the cleared pipeline corridor. 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 and 2, cut all trees that are one (1) inch or more at DBH, including standing dead hardwoods.

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

Note that Misc species 1 = dead mixed hardwoods.

#### **2.2 - Utilization**

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

This area must be chip harvested to facilitate subsequent planting operations. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portion of the trees must be chipped and hauled. A chipping exemption can be obtained if proposed operations are determined to be suitable for planting by reforestation staff. This exemption must be granted in writing. 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 to facilitate planting operations.

### **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.

### **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.

##### **4.1.6 - 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 scattered 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. 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 also be placed along the first 50 feet of trail behind the berms. 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. The Unit Manager or his/her representative must be contacted at least 5 days in advance to schedule the conference.

#### 5.1.3 - Well heads and natural gas pipelines (11/15)

The Purchaser is responsible for contacting the pipeline company prior to operating equipment in the vicinity of well heads or natural gas pipelines. Contact DTE at (231) 258-3750 to coordinate operations around the pipeline. Operations may begin away from the pipeline after the Pre-Work meeting, but plan for at least ten days after the initial pipeline contact to allow DTE time to armor the planned pipeline crossing.

#### 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.

### 5.2 - 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. This spec applies to protecting the aspen snags.

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

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

#### 5.2.43 - Opening protection (2/21)

No off-road activities are permitted in either of the openings marked on the Timber Sale Map with the letter "G". Equipment may use the existing road through the north opening. Most of the south opening is on Hartwick Pines State Park lands and it cannot be used for any purposes.

### 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)

Protect the I-75 ROW fence that forms the sale's east boundary. The fence has deadfalls on it from the beech breaking up, but avoid doing additional damage during harvest operations.

## 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 the woods road haul route prior to beginning operations. The road must be posted where the haul route turns off CR 612 and approximately 200 feet south of 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**

#### 7.5 - Loss

##### 7.5.1 - Deteriorating timber (7/09)

The sale area has received damage from Beech Bark Disease. The Purchaser should harvest the wood as soon as possible. The Department of Natural Resources is held free of responsibility of any further damage or deterioration due to delay in harvesting.

**TIMBER SALE MAP**

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

Sale Number	Year
72 - 030	21

Forest Management Unit Grayling	County Crawford	Mapped By Charlebois	Date 10/26/2021	Page 1	of 1
Township 28N	Range 03W	Section(s) and Subdivision(s) Section 31: SWSE, S1/2SW	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			

**PU Acres**

1	13.4
2	16.4

**Pipeline HWs****Compartment 216****29.8 Acres**scan for  
geo-PDF  
map