



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7054**

**SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on April 25, 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:

Williams Tract RP (72-052-17) / T27N, R04W, SEC. 35, SENW,SWNE,E1/2SW,SE.

Crawford County, Advertised Price \$26,094.30, 81.7 Acres, Jack Pine, Red Pine.

**SALE NOTE:** These red pine stands were established when the fenced Williams Tract was in private ownership, and the plantations have variable row spacing and planting patterns.

Payment Unit 5 has immature red pine that was underplanted through a considerable amount of jack pine and oak residual.

- See sales spec 5.2.20 for information on recommended equipment width.
- See sales spec 2.1.8 for information on trees marked with orange X's.
- See sales spec 2.1.1 for information on cutting of small pole size red pine.
- See sales specs 5.2.3.5 and 5.2.3.3 for information on oak wilt and bark slip restrictions.

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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Northern Pin Oak	5.7 MBF	\$ 81.00 / MBF
Red Pine	68.1 MBF	\$ 73.00 / MBF
White Oak	3.2 MBF	\$ 55.00 / MBF
Pulpwood		
Black Spruce	4 Cords	\$ 10.95 / Cord
Jack Pine	395 Cords	\$ 12.55 / Cord
Misc. Species 1	63 Cords	\$ 4.50 / Cord
Misc. Species 2	24 Cords	\$ 2.25 / Cord
Mixed Aspen	6 Cords	\$ 20.35 / Cord
Mixed Oak	55 Cords	\$ 19.00 / Cord
Red Maple	6 Cords	\$ 19.70 / Cord
Red Pine	535 Cords	\$ 25.45 / Cord
White Pine	14 Cords	\$ 17.55 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 12.93 percent. There are an estimated 1,258 cords on this timber sale, plus or minus 163 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 \$1,304.72 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	7.5%
02	21.2%
03	21.1%
04	13.9%
05	36.3%

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
99,346	1,258	12.93%	1,095	1,420

**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
27	0	0	66.83%	0	0
44	0	0	39.18%	0	0
46	0	0	10.50%	0	0
144	0	0	31.31%	0	0
244	0	0	36.50%	0	0
<b>TOTAL:</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0</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
27	4.4	1	4.4
44	18.0	2	18.0
46	22.9	5	22.9
144	12.2	4	12.2
244	24.2	3	24.2
<b>TOTAL:</b>	<b>81.7</b>		<b>81.7</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Sawtimber	11.2	MBF	4.4	\$1,954.00
	Black Spruce	Pulpwood	4	Cords		
	Jack Pine		10	Cords		
	Jack Pine	Sawtimber	1.5	MBF		
	Jack Pine	Pulpwood	7	Cords		
	Red Pine		38	Cords		
	2	Red Pine	Sawtimber	14.2		
Jack Pine		Pulpwood	107	Cords		
Jack Pine		Sawtimber	5.1	MBF		
Jack Pine		Pulpwood	97	Cords		
Red Maple			6	Cords		
Red Pine			119	Cords		
3		Red Pine	Sawtimber	20.1	MBF	24.2
	Jack Pine	Pulpwood	53	Cords		
	Jack Pine	Sawtimber	1.0	MBF		
	Jack Pine	Pulpwood	51	Cords		
	Misc. Species 1		2	Cords		
	Mixed Aspen		4	Cords		
	B. T. Aspen		4	Cords		
	Red Pine		129	Cords		
	4	Red Pine	Sawtimber	15.8	MBF	
Jack Pine		Pulpwood	76	Cords		
Jack Pine		Sawtimber	1.6	MBF		
Jack Pine		Pulpwood	73	Cords		
Mixed Oak			2	Cords		
White Oak			2	Cords		
Red Pine			57	Cords		
White Pine			2	Cords		
White Pine			2	Cords		
5	Northern Pin Oak	Sawtimber	5.7	MBF	22.9	\$9,477.25
	Red Pine		6.8	MBF		
	White Oak		3.2	MBF		
	Jack Pine	Pulpwood	149	Cords		
	Jack Pine	Sawtimber	12.6	MBF		
	Jack Pine	Pulpwood	124	Cords		
	Misc. Species 1		61	Cords		
	Misc. Species 2		24	Cords		
	Mixed Aspen		2	Cords		
	B. T. Aspen	Sawtimber	0.4	MBF		
	B. T. Aspen	Pulpwood	1	Cords		
	Mixed Oak		53	Cords		
	Northern Pin Oak		37	Cords		
	White Oak		16	Cords		
	Red Pine		192	Cords		
	White Pine		12	Cords		
	White Pine	Sawtimber	1.0	MBF		
	White Pine	Pulpwood	10	Cords		
	TOTAL:			77.0		
TOTAL:			1,102	Cords		

## Sale Specific Conditions & Requirements

**Sale Name: Williams Tract RP**

**Sale Number: 72-052-17 Seq#: 2**

### 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, yellow, and blue paint. Exterior sale boundary lines against state are marked with red paint. Exterior sale boundary lines against private are marked with blue paint. The interior boundary for Payment Unit 5 is marked with yellow paint. The interior boundaries between Payment Units 2, 3, and 4 are unpainted and designated as the forest roads as shown on the Timber Sale Map. The blue painted boundary line trees are not Included Timber and are to be protected. The red painted boundary line trees are to be protected, except do cut the following trees marked with red paint:

- Jack pine.
- Trees marked with orange paint.
- Any species that border mapped traversable roads that are not marked with blue paint.

Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid. Faded boundary paint remnants from a previous timber sale are to be disregarded.

### 2 - Timber Specifications

#### 2.1 - Included Timber

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

Within Payment Unit(s) 5, cut all live and dead trees that are one (1) inch or more at DBH.

##### 2.1.8 - Designated plantation row unit(s) (12/08)

Within Payment Unit(s) 1-4, all trees which meet minimum piece specifications in 2.2 Utilization, within designated plantation rows are designated for cutting. Designated plantation rows are identified with double orange diagonal slashes on the end trees and single orange slashes on trees at intervals in between the end trees. Outside of those designated rows, individual trees are designated for cutting when marked with orange X's. In addition, all jack pine, red maple, aspen and black spruce are designated for cutting. Red pine and white pine stems that do not meet minimum piece specifications in 2.2 Utilization may be cut as needed for operability. Faded orange and green paint remnants from a previous timber sale are to be disregarded.

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

Note that Misc Species 1 = dead oak, and Misc Species 2 = dead jack pine.

#### 2.2 - Utilization

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

Payment Unit 5 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. 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 stand has a significant amount of downed woody debris from the oak and jack pine breaking up.

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

Stump heights within Payment Unit(s) 1-4 shall not exceed 12 inches for trees greater than 10 inches at DBH and 6 inches for trees smaller than 10 inches at DBH. Stump heights within Payment Unit 5 shall not exceed 6 inches for all trees to facilitate planting operations.

##### 2.2.6 - Roundwood operation required (5/07)

The skidding of whole trees or tree segments with limbs attached is prohibited within the intact plantation portions of Payment Units 1-4. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

### **3 - Payments**

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

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

Payment Unit(s) 3 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 (6/14)**

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 merchantable trees. Within the thinning Payment Units 1-4, 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. Within those Payment Units, trees less than 4.5" DBH may be cut as needed for operability.

### **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 dispersed into 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 dispersed away from the roads. 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, closure will require constructing a four (4') foot high berm of stumps and logs covered with earth. Stumps and brush may also need to be placed along portions of the trail. 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.

#### **4.4 - Access**

##### **4.4.3 - Access gate (12/08)**

The DNR access gate must be kept closed during active harvest operations and locked whenever the cutting crew is not on site. This is to prevent someone other than the Purchaser from going through the gate and being locked in.

### **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.

#### 5.1.6 - Utility R.O.W. (1/15)

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the power line R.O.W. for operations. (Operations, in this case, is defined as decking or landing). Great Lakes Energy maintains the overhead powerline that crosses through Payment Unit 1.

### 5.2 - Conduct of Operations

#### 5.2.1 - Slash

##### 5.2.1.13 - Dispose of slash as directed (12/05)

Slash is to be disposed of as directed by the sale administrator in the thinning Payment Units 1-4 (ie: flattening taller slash piles near the access roads).

#### 5.2.3 - Operating Restrictions

##### 5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1-4, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

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

Within Payment Unit(s) 1-4, cutting, skidding, 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 Unit 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.

##### 5.2.3.6 - Bark beetle restriction (12/08)

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4 mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

#### 5.2.20 - Equipment width (2/04)

Only equipment having a maximum width of eleven feet (ten feet recommended, and zero tail-swing) is to be used in the intact plantation portions of Payment Units 1-4. Wider equipment may be operated within the sparser areas of Payment Units 1-4 where there is more jack pine than red pine.

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

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

#### 5.2.41 - Snowmobile trail protection (9/11)

The Blue Bear is a snowmobile trail that runs down part of Pollack Bridge Road (seasonal County) and is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. The road maintenance/restoration must be done prior to December 1. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1. The snowmobile trail may not be used for any timber sale operations from December 1 to March 31 without written approval of the Unit Manager. If the trail is to be used for hauling during the snowmobile season, then a snow-covered base must be left on the trail. The snowmobile trail may only be crossed at right angles. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. In addition, any trees cut within 5 feet of the trail must be cut flush at ground level.

## 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 fence and gate along the south edge of the sale. The fence has deadfalls on it from the oak breaking up but avoid doing additional damage during harvest operations.

## 6 - Safety and Fire Prevention

### 6.2 - Signing

#### 6.2.1 - Road posting (9/09)

The Purchaser is responsible for posting and maintaining caution signs on Sand Hill Road prior to beginning operations. The road must be posted north of the Payment Unit 1 road intersection and near the south gate 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.

#### 6.2.2 - Snowmobile trail posting (8/09)

The Purchaser is responsible for posting and maintaining caution signs on the Blue Bear snowmobile trail prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail must be posted at appropriate distances from the haul route intersection 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 age-related decline in the mature jack pine and oak. 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

72 - 052

Year

17

Forest Management Unit  
GraylingCounty  
CrawfordRed & Yellow lines, Marking: Schmid  
Blue line, Marking & Cruising: CharleboisDate  
09/30/2017Page  
1 of  
1Township  
27NRange  
4WSection(s) and Subdivision(s)  
Section 35: SWNE, SE, E1/2SW, SENWScale  
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	PU	Acres
1	4.4	4	12.2
2	18.0	5	22.9
3	24.2		

**Williams Tract RP**  
**Compartment 205**  
**81.7 Acres**QR code  
opens map  
in PDF  
maps app