



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN**

**TIMBER SALE PROSPECTUS #6863**

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

Frost Pocket Aspen (72-022-20) / T28N, R02E, SEC. 25, NW, E1/2NE.

T28N, R03E, SEC. 30, NWNW.

Oscoda County, Advertised Price \$17,923.30, 46.4 Acres, Aspen, Hardwood.

SALE NOTE: Sale contains 46.4 acres of aspen clear cut. Retention has been boundary excluded.

Stocking level is variable, with some poorly stocked areas.

The Frost Pocket ERA is shown on the Timber Sale Map and is not to be entered by any vehicles or equipment during harvest operations.

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		
B. T. Aspen	53.2 MBF	\$ 30.00 / MBF
Bl/R/Hybrid Oak	43.2 MBF	\$ 120.00 / MBF
Red Maple	13.2 MBF	\$ 40.00 / MBF
Pulpwood		
B. T. Aspen	210 Cords	\$ 14.00 / Cord
Basswood	7 Cords	\$ 7.90 / Cord
Bl/R/Hybrid Oak	186 Cords	\$ 21.90 / Cord
Jack Pine	4 Cords	\$ 15.95 / Cord
Mixed Hardwood	127 Cords	\$ 22.45 / Cord
Paper Birch	9 Cords	\$ 13.05 / Cord
Red Pine	11 Cords	\$ 32.55 / Cord
White Pine	9 Cords	\$ 17.35 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 17.63 percent. There are an estimated 781 cords on this timber sale, plus or minus 138 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 \$896.17 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	45.9%
02	54.1%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 09/30/2023.

### **SALE STATISTICS**

#### **SALE VOLUMES**

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
61,737	781	17.63%	644	919

**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.

VDU	VOLUME		PERCENT ERROR	RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
15	32,366	410	18.87%	332	487
24	22,270	282	33.54%	187	376
25	7,094	90	54.15%	41	138
<b>TOTAL:</b>	<b>61,731</b>	<b>781</b>		<b>561</b>	<b>1,002</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
15	19.7	2	19.7
24	19.5	1	19.5
25	7.2	1	7.2
<b>TOTAL:</b>	<b>46.4</b>		<b>46.4</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	32.6	MBF	26.7	\$8,223.20
	Bl/R/Hybrid Oak		17.7	MBF		
	Red Maple		3.1	MBF		
	B. T. Aspen	Pulpwood	103	Cords		
	Basswood		7	Cords		
	<i>Basswood</i>	<i>Sawtimber</i>	1.8	<i>MBF</i>		
	<i>Basswood</i>	<i>Pulpwood</i>	3	<i>Cords</i>		
	Bl/R/Hybrid Oak		96	Cords		
	Mixed Hardwood		55	Cords		
	<i>Black Cherry</i>		20	<i>Cords</i>		
	<i>Red Maple</i>		35	<i>Cords</i>		
	Red Pine		5	Cords		
	<i>Red Pine</i>	<i>Sawtimber</i>	1.1	<i>MBF</i>		
	<i>Red Pine</i>	<i>Pulpwood</i>	3	<i>Cords</i>		
	2	B. T. Aspen	Sawtimber	20.6		
Bl/R/Hybrid Oak			25.5	MBF		
Red Maple			10.1	MBF		
B. T. Aspen		Pulpwood	107	Cords		
Bl/R/Hybrid Oak			90	Cords		
Jack Pine			4	Cords		
Mixed Hardwood			72	Cords		
<i>Black Cherry</i>			4	<i>Cords</i>		
<i>Red Maple</i>			68	<i>Cords</i>		
Paper Birch			9	Cords		
<i>Paper Birch</i>		<i>Sawtimber</i>	1.8	<i>MBF</i>		
<i>Paper Birch</i>		<i>Pulpwood</i>	5	<i>Cords</i>		
Red Pine			6	Cords		
<i>Red Pine</i>		<i>Sawtimber</i>	1.7	<i>MBF</i>		
<i>Red Pine</i>		<i>Pulpwood</i>	3	<i>Cords</i>		
White Pine			9	Cords		
<i>White Pine</i>		<i>Sawtimber</i>	1.0	<i>MBF</i>		
<i>White Pine</i>		<i>Pulpwood</i>	7	<i>Cords</i>		
TOTAL:			109.6	MBF		
TOTAL:			563	Cords		

## Sale Specific Conditions & Requirements

**Sale Name: Frost Pocket Aspen**

**Sale Number: 72-022-20 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 and designated unpainted where it runs adjacent to Mt. Tom Road and Snowmobile Trail 4/9. 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 and 2, cut all trees that are two (2) inches or more at DBH.

##### 2.1.15 - Hazard trees near roads (7/13)

Cut and remove all standing dead trees within reach of the cleared portion of county roads and state forest roads. These trees must be scattered back into the Sale Area.

#### 2.2 - Utilization

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

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches at DBH and 4 inches for trees smaller than 10 inches at DBH. A written waiver of this requirement may be obtained if wet summer weather makes winter logging necessary.

### 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.

#### 3.4 - Damaged 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 designated on the Timber Sale Map as the Frost Pocket ERA. The Purchaser's operations and equipment shall not enter this area for any reason. If the Purchaser's operations have 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.

### 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 Area or chipped, utilized or otherwise removed from the Sale Area.

##### 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 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. 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. 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.

### 4.2 - Maintenance

#### 4.2.5 - Two wheel drive condition (2/04)

All existing trail roads on and adjacent to the sale area must be passable by two-wheel drive traffic for the duration of the sale.

## 5 - Operations

### 5.1 - Notification

#### 5.1.1 - Pre-sale conference (10/16)

A pre-sale conference 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.

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

The Purchaser is responsible for contacting the gas or pipeline company to obtain permission prior to operating equipment in the vicinity of well heads or natural gas pipelines.

#### 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 24 inches in height if the sale is chipped. If the sale is not chipped, slash may not exceed 48 inches in height.

##### 5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in the maintained wildlife opening which is indicated by G0 and U0 on the Timber Sale Map. All harvest operations and equipment are to remain outside of these areas which are called out on the map.

Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

#### 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.

#### 5.2.4 - 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 and 2, 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, dogwood, or 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.

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

Trail 4/9 is a snowmobile trail 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 road 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.

#### 5.2.43 - Opening protection (12/08)

No activities are permitted in openings marked on the Timber Sale Map with the letter "G". Any damage to the openings shall be repaired according to specifications of the Unit Manager or his/her representative.

### 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.

#### 5.4.4 - Slope protection (9/19)

Skid trails and roads on slopes shall be water barred with slash and stumps or other water control structures as approved by the sale administrator as soon as use is complete to prevent erosion.

## 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 Mt. Tom Road 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.

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

The Purchaser is responsible for posting and maintaining caution signs on Trail 4/9 prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail 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.



# TIMBER SALE MAP

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

Sale Number	Year
72 - 022	20

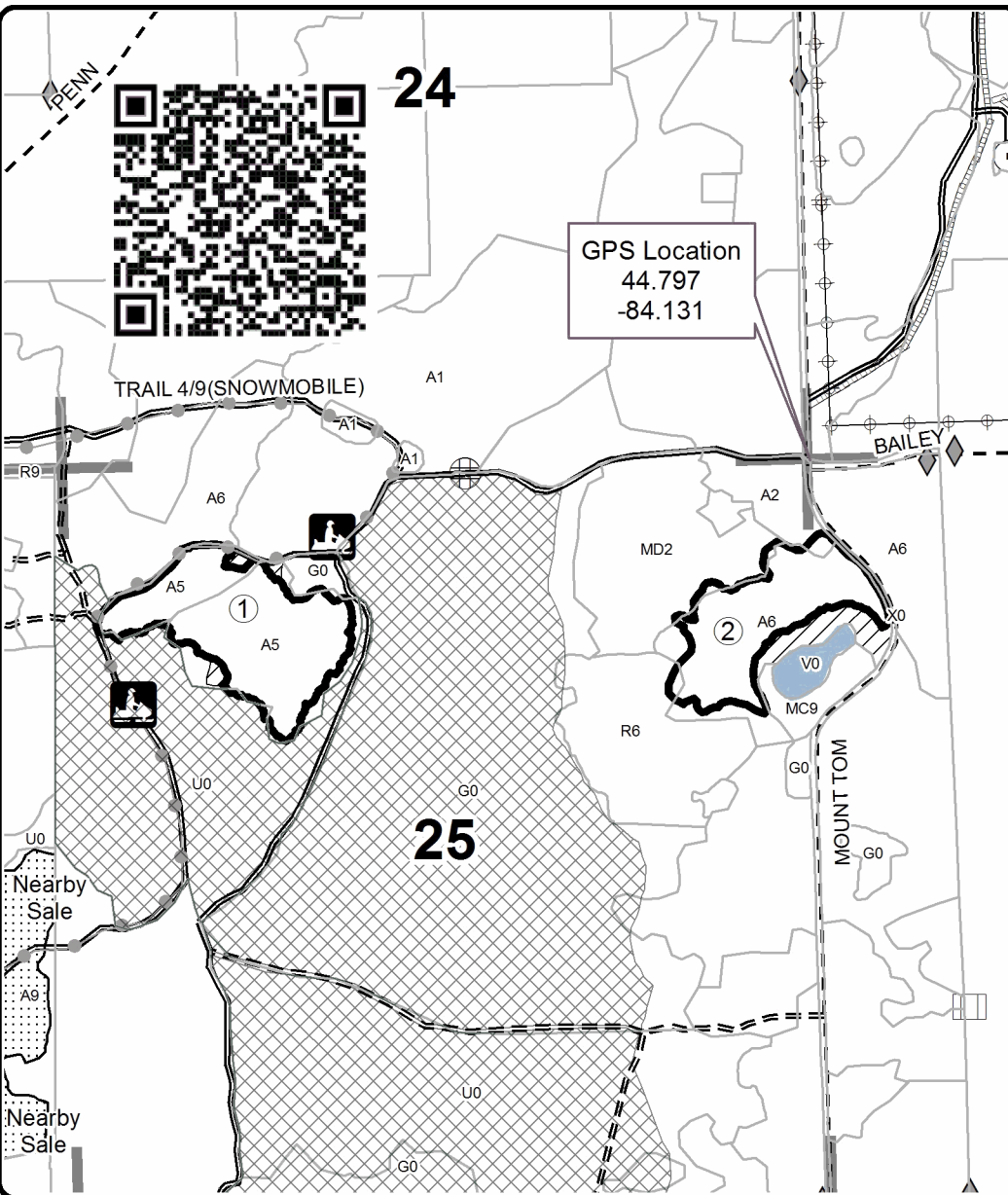
Forest Management Unit Grayling	County Oscoda	Mapped By Ehler	Date 08/27/2020	Page 1	of 1
Township 28N	Range 02E	Section(s) and Subdivision(s) NW, E1/2NE	Scale 1:15,840		
28N	03E	NWNW			

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	26.7
2	19.7

## Frost Pocket Aspen

Compartment 029  
46.4 Acres



### Legend

- Frost Pocket ERA
- Stand Boundaries
- Recreational Trail
- Field Grade Corners
- Oil & Gas Well Surface Locations
- Secondary Forest Road
- Forest Access Route
- Gravel Road
- Lakes and Rivers
- Retention Area
- Against State (Red)
- Nearby Timber Sales
- Section Corners

### Locator Map

1:200,000

