



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6861

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on May 7, 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:

Hissing Hognose Mix (72-035-20) / T27N, R01E, SEC. 18, W1/2SW.

T27N, R01W, SEC. 13, S1/2SE.

T27N, R01W, SEC. 24, W1/2NW, S1/2NE, N1/2SE.

Crawford County, Advertised Price \$42,240.30, 84.9 Acres, Hardwood, Red Pine.

SALE NOTE: 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

Hissing Hognose Mix (72-035-20)

T27N, R01E, SEC. 18; T27N, R01W, SEC. 13; T27N, R01W, SEC. 24.
Crawford County (Advertised Price \$42,240.30)

SALE NOTE: 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.

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 & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Bl/R/Hybrid Oak	74.2 MBF	\$ 136.00 / MBF
Mixed Aspen	12.8 MBF	\$ 31.00 / MBF
Red Oak	22.7 MBF	\$ 110.00 / MBF
Red Pine	103.9 MBF	\$ 91.00 / MBF
White Oak	10.8 MBF	\$ 63.00 / MBF
White Pine	8.4 MBF	\$ 35.00 / MBF
Pulpwood		
Jack Pine	139 Cords	\$ 15.30 / Cord
Misc. Species 1	105 Cords	\$ 5.50 / Cord
Mixed Aspen	142 Cords	\$ 14.05 / Cord
Mixed Hardwood	82 Cords	\$ 20.40 / Cord
Mixed Oak	473 Cords	\$ 20.50 / Cord
Red Pine	76 Cords	\$ 33.85 / Cord
White Pine	12 Cords	\$ 15.40 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.62 percent. There are an estimated 1,593 cords on this timber sale, plus or minus 201 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:

- A bond in the amount of \$2,112.02 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
- Cutting in any sale or unit without the required advance payment would be considered a trespass.
- Total payment must be paid in advance or according to the following schedule :
 - Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - The 10% down payment will be credited towards the first unit cut.
 - 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	31.2%
02	18.9%
03	21.4%
04	28.5%
- If no cutting takes place, the 10% down payment will not be refunded.
- Operations on the contract issued will terminate on 06/30/2023.

SALE STATISTICS

SALE VOLUMES

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
125,831	1,593	12.62%	1,392	1,794

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	42,755	541	16.49%	452	630
36	23,092	292	43.94%	164	421
219	22,468	284	21.26%	224	345
222	37,517	475	22.52%	368	582
TOTAL:	125,831	1,593		1,208	1,978

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	26.8	1	26.8
36	10.5	4	10.5
219	12.6	2	12.6
222	35.0	3	35.0
TOTAL:	84.9		84.9

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	BI/R/Hybrid Oak	Sawtimber	38.3	MBF	26.8	\$12,772.10
	BI/R/Hybrid Oak		38.3	MBF		
	Red Oak		15.8	MBF		
	Misc. Species 1	Pulpwood	105	Cords		
	Misc. Species 1	Sawtimber	14.4	MBF		
	Misc. Species 1	Pulpwood	76	Cords		
	Mixed Hardwood		2	Cords		
	Red Maple		2	Cords		
	Mixed Oak		254	Cords		
	BI/R/Hybrid Oak		152	Cords		
	Red Oak		78	Cords		
	White Oak		24	Cords		
2	BI/R/Hybrid Oak	Sawtimber	32.7	MBF	12.6	\$7,999.10
	BI/R/Hybrid Oak		32.7	MBF		
	White Oak		5.3	MBF		
	Mixed Hardwood	Pulpwood	5	Cords		
	Red Maple		5	Cords		
	Mixed Oak		152	Cords		
	BI/R/Hybrid Oak		114	Cords		
	White Oak		38	Cords		
3	BI/R/Hybrid Oak	Sawtimber	3.2	MBF	35.0	\$9,038.75
	BI/R/Hybrid Oak		2.3	MBF		
	Northern Pin Oak		0.9	MBF		
	Red Oak		6.9	MBF		
	Red Pine		2.1	MBF		
	White Oak		5.5	MBF		
	White Pine		4.0	MBF		
	Jack Pine	Pulpwood	139	Cords		
	Jack Pine	Sawtimber	6.1	MBF		
	Jack Pine	Pulpwood	127	Cords		
	Mixed Aspen		142	Cords		
	B. T. Aspen	Sawtimber	6.1	MBF		
	Quaking Aspen		6.7	MBF		
	B. T. Aspen	Pulpwood	50	Cords		
	Quaking Aspen		67	Cords		
	Mixed Hardwood		75	Cords		
	Red Maple	Sawtimber	3.8	MBF		
	Black Cherry	Pulpwood	6	Cords		
	Red Maple		61	Cords		
	Mixed Oak		67	Cords		
	BI/R/Hybrid Oak		9	Cords		
	Northern Pin Oak		5	Cords		
	Red Oak		11	Cords		
	White Oak		42	Cords		
	Red Pine		1	Cords		
	White Pine		7	Cords		
4	Red Pine	Sawtimber	101.8	MBF	10.5	\$12,033.55
	White Pine		4.4	MBF		
	Red Pine	Pulpwood	75	Cords		
	White Pine		5	Cords		
TOTAL:			220.0	MBF		
TOTAL:			1,029	Cords		

Sale Specific Conditions & Requirements

Sale Name: Hissing Hognose Mix

Sale Number: 72-035-20 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 or unmarked and identified by existing roads. Exterior sale boundary lines against private property are marked with blue paint except in Payment Unit 3 the private line is unmarked and identified by the snowmobile trail and Payment Unit 4 private line is unmarked and identified by Hideaway Road. Exterior sale boundary lines against state are marked with red paint except for Payment Unit 2 is identified by an unnamed forest road and by Walsh Road. 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, and 4, cut all trees that are two (2) inches or more at DBH, except within Payment Unit 1, do not cut white oak, red pine, and white pine.

2.1.2 - Clearcut unit(s) w/o unmerchantable trees (8/11)

Within Payment Unit(s) 2, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut red pine and white pine.

2.1.11 - Description of timber note (2/04)

Note that Misc. Species 1 = standing dead oak; which is designated for cutting.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

Payment Unit 4 must be chip harvested to facilitate subsequent planting operations. If market conditions limit the practicality of chipping, tops and slash must be arranged in a way that will not inhibit future planting operations, as directed by the sale administrator. 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 Payment Unit(s) 4 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. There will be only one division per Payment Unit.

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesigned live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings. Within the Sale Area, if more than 50% 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 \$300.00 per acre for all acreage within that specified portion of the Sale Area that was 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.

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. 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. These roads must be rendered impassable to cars and trucks. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the sale administrator for specific details of design and placement.

4.1.11 - Permits (2/12)

The Purchaser will secure any necessary highway permits that may be required.

5 - Operations

5.1 - Notification

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

5.2.2 - 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

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 1, 2, and 4, 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

5.2.4.4 - 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.

5.2.32 - 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.

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

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

5.2.40 - Pathway protection (10/10)

The Shore-to-shore trail is a hiking and horseback riding trail and is shown on the Timber Sale Map. Do not cut trees or damage posts with blue pathway markers. Maintain a rut and slash free zone within 10 feet of the trail. Do not deck wood along the trail. Do not run equipment down the pathway. Do not operate equipment along the trail during scheduled trail rides. The sale administrator will provide a minimum of two weeks notice of when scheduled trail rides are to occur.

5.2.41 - Snowmobile trail protection (9/11)

The LP 9 and LP 409 are snowmobile trails and are shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trails are used, they 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 trails are used for hauling, they must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1. 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 trails may not be used for any timber sale operations from December 1 to March 31 without written approval of the Unit Manager. 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. All stumps within 20 feet of the snowmobile trail must be cut 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.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.2 - Snowmobile trail posting (8/09)

The Purchaser is responsible for posting and maintaining caution signs on snowmobile trails LP 9 and LP 409 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.

6.2.3 - Recreational trail posting (2/10)

The Purchaser is responsible for posting and maintaining caution signs on the Shore-to-shore Trail prior to beginning operations. The trail must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic at both ends of the trail. 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.

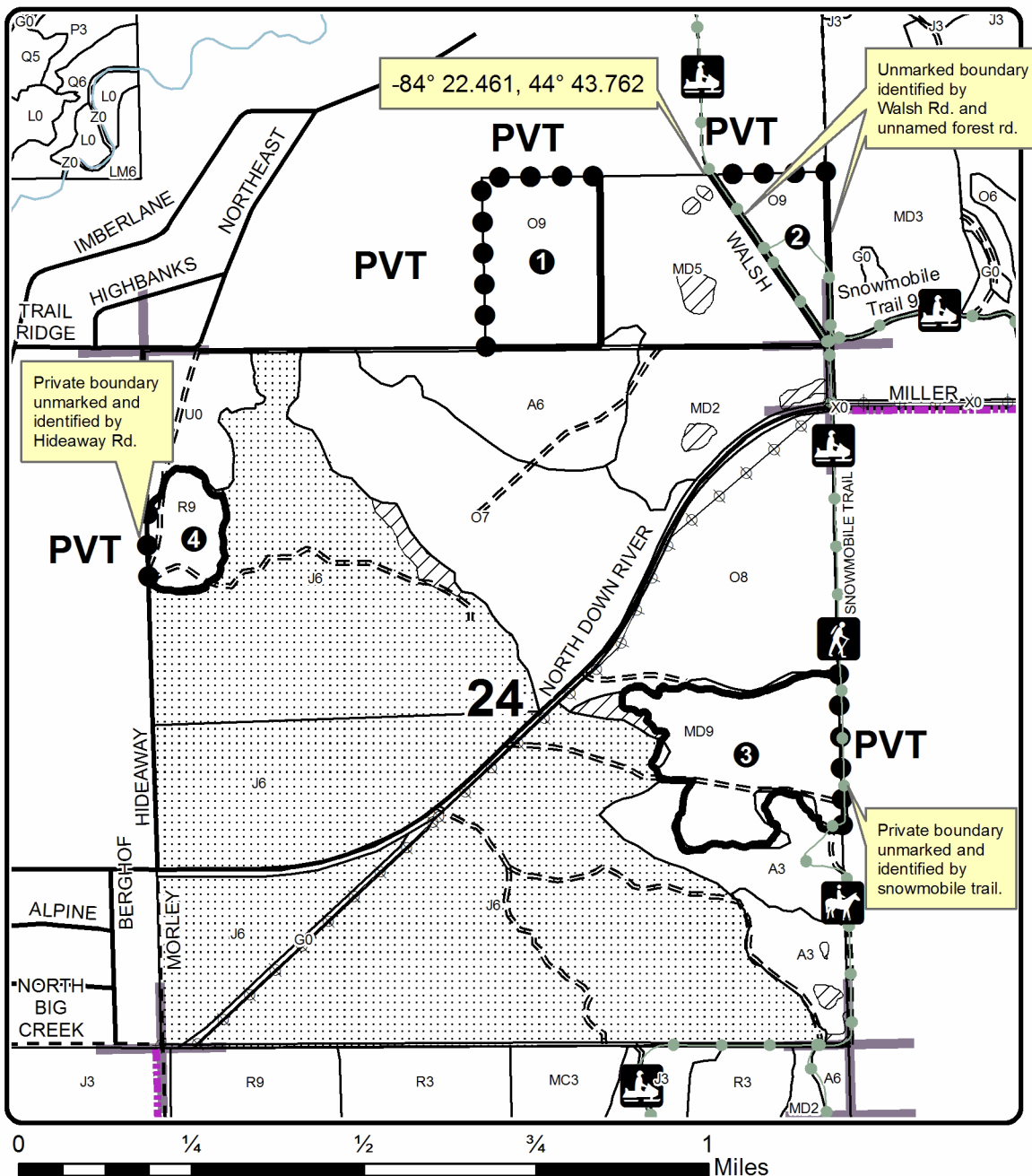
Forest Management Unit		County	Mapped By		Date	Page		of	
Grayling		Crawford	Derek Nellis		9/08/2020	1		1	
			Cruised By						
Township	Range	Section(s) and Subdivision(s)				Scale			
27N	01W	Sec 13 - S1/2SE Sec 24 - W1/2NW,S1/2NE,N1/2SE				1:15,840			
Cover Type					Density				
A = Aspen B = Paper Birch C = Cedar D = Treed Bog E = Swamp Hdwoods F = Spruce Fir G = Grass H = Hemlock J = Jack Pine L = Lowland Brush LM = Lowland Mixed M = Mpl, Bch, Brch MC = Mixed Conifer MD = Mixed Deciduous N = Marsh O = Oak P = Lowland Poplar Q = Mixed Swamp Conifer R = Red Pine S = Black Spruce T = Tamarack U = Upland Brush UM = Upland Mixed V = Bog or Marsh W = White Pine X = Non Stocked Z = Water					0 = Non Stocked 1 = Seedling Sapling Poor 2 = Seedling Sapling Medium 3 = Seedling Sapling Well 4 = Pole Timber Poor 5 = Pole Timber Medium 6 = Pole Timber Well 7 = Saw Timber Poor 8 = Saw Timber Medium 9 = Saw Timber Well				

PU	Acres	PU	Acres
1	26.8	4	10.5
2	12.6		
3	35.0		

















Hissing Hognose Mix

Compartment 286

84.9 Acres



Legend

-  Against State (Red)
 -  Private Line (Blue)
 -  Payment Unit Label
 -  Powerline
 -  Pipeline
 -  Recreational Trails
 -  Primary Forest Road
 -  Secondary Forest Road
 -  Forest Access Route
 -  Paved Road
 -  Gravel Road
 -  Stream
 -  Retention Area
 -  Stand Boundaries
 -  Nearby Sales
- 01** Section Numbers
-  Section Corners