



**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:

Comp 18 Aspen (72-039-20) / T28N, R02E, SEC. 21, NE, S1/2SW.

Oscoda County, Advertised Price \$18,874.95, 73.9 Acres, Aspen, Hardwood.

SALE NOTE: Payment Units 1 and 3 accessed going South off Oak Lake Road. Payment Unit 2 accessed going South off Pennsylvania Crossing Rd.

TIMBER SALE INFORMATION

Comp 18 Aspen (72-039-20)

T28N, R02E, SEC. 21.

Oscoda County (Advertised Price \$18,874.95)

SALE NOTE: Payment Units 1 and 3 accessed going South off Oak Lake Road. Payment Unit 2 accessed going South off Pennsylvania Crossing Rd.

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		
Mixed Aspen	117.0 MBF	\$ 30.00 / MBF
Red Pine	11.7 MBF	\$ 94.00 / MBF
White Pine	20.1 MBF	\$ 43.00 / MBF
Pulpwood		
Black Cherry	64 Cords	\$ 22.45 / Cord
Jack Pine	18 Cords	\$ 15.95 / Cord
Mixed Aspen	583 Cords	\$ 14.00 / Cord
Mixed Oak	64 Cords	\$ 21.90 / Cord
Red Maple	10 Cords	\$ 22.45 / Cord
Red Pine	21 Cords	\$ 32.55 / Cord
Sugar Maple	5 Cords	\$ 22.45 / Cord
White Pine	63 Cords	\$ 17.35 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 15.42 percent. There are an estimated 1,127 cords on this timber sale, plus or minus 174 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 \$943.75 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	59.0%
02	32.8%
03	8.2%

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
89,039	1,127	15.42%	953	1,301

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
34	49,857	631	21.90%	493	769
134	8,524	108	29.58%	76	140
146	30,660	388	26.95%	284	493
TOTAL:	89,041	1,127		852	1,402

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
34	44.7	1	44.7
134	6.1	3	6.1
146	23.1	2	23.1
TOTAL:	73.9		73.9

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	59.9	MBF	44.7	\$11,131.20
	<i>Quaking Aspen</i>		59.9	<i>MBF</i>		
	Red Pine		11.7	MBF		
	White Pine		20.1	MBF		
	Black Cherry	Pulpwood	28	Cords		
	Jack Pine		11	Cords		
	<i>Jack Pine</i>		11	<i>Cords</i>		
	Mixed Aspen		283	Cords		
	<i>Quaking Aspen</i>		283	<i>Cords</i>		
	Mixed Oak		60	Cords		
	<i>Bl/R/Hybrid Oak</i>	Sawtimber	3.4	<i>MBF</i>		
	<i>Northern Pin Oak</i>		4.1	<i>MBF</i>		
	<i>Bl/R/Hybrid Oak</i>	Pulpwood	19	<i>Cords</i>		
	<i>Northern Pin Oak</i>		26	<i>Cords</i>		
	Red Maple		5	Cords		
	Red Pine		9	Cords		
	White Pine		51	Cords		
2	Mixed Aspen	Sawtimber	40.9	MBF	23.1	\$6,190.85
	<i>B. T. Aspen</i>		12.5	<i>MBF</i>		
	<i>Quaking Aspen</i>		28.4	<i>MBF</i>		
	Black Cherry	Pulpwood	36	Cords		
	Jack Pine		7	Cords		
	<i>Jack Pine</i>	Sawtimber	1.5	<i>MBF</i>		
	<i>Jack Pine</i>	Pulpwood	4	<i>Cords</i>		
	Mixed Aspen		227	Cords		
	<i>B. T. Aspen</i>		65	<i>Cords</i>		
	<i>Quaking Aspen</i>		162	<i>Cords</i>		
	Mixed Oak		4	Cords		
	<i>Bl/R/Hybrid Oak</i>		2	<i>Cords</i>		
	<i>Northern Pin Oak</i>		2	<i>Cords</i>		
	Red Maple		3	Cords		
	Red Pine		12	Cords		
	Sugar Maple		5	Cords		
	<i>Sugar Maple</i>	Sawtimber	1.1	<i>MBF</i>		
<i>Sugar Maple</i>	Pulpwood	3	<i>Cords</i>			
White Pine		12	Cords			
3	Mixed Aspen	Sawtimber	16.2	MBF	6.1	\$1,552.90
	<i>Quaking Aspen</i>		16.2	<i>MBF</i>		
	Mixed Aspen	Pulpwood	73	Cords		
	<i>Quaking Aspen</i>		73	<i>Cords</i>		
	Red Maple		2	Cords		
TOTAL:			148.8	MBF		
TOTAL:			828	Cords		

Sale Specific Conditions & Requirements

Sale Name: Comp 18 Aspen

Sale Number: 72-039-20 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary is marked and identified by blue and red paint. Exterior boundaries of Payment Unit 1 against Centerline Rd, Oak Lake Rd and the forest rd on the West boundary are unmarked. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. In order to promote maximum aspen regeneration, cut all merchantable aspen trees that are marked with red boundary paint except for those around retention areas.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1-3, cut all trees that are two (2) inches or more at DBH except in Payment Unit 2, do not cut any red pine greater than 12" at DBH.

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 DBH and 4 inches for trees smaller than 10 inches 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.

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 utilized or 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 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.

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 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 not chipped, slash or tree tops shall not 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.

5.2.4 - 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) 1-3, 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 unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles.

5.2.29 - Shrub protection (1/20)

Reasonable care should be taken to avoid cutting or damaging hawthorn and 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.

5.4 - 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 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 Centerline and Oak lake Roads 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.



TIMBER SALE MAP

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

Forest Management Unit Grayling		County Oscoda	Mapped By Ehlert	Date 09/18/2020	Page 1	of 1
Township 28N	Range 02E	Section(s) and Subdivision(s) Sec 21- NE, S1/2SW		Scale 1:15,840		

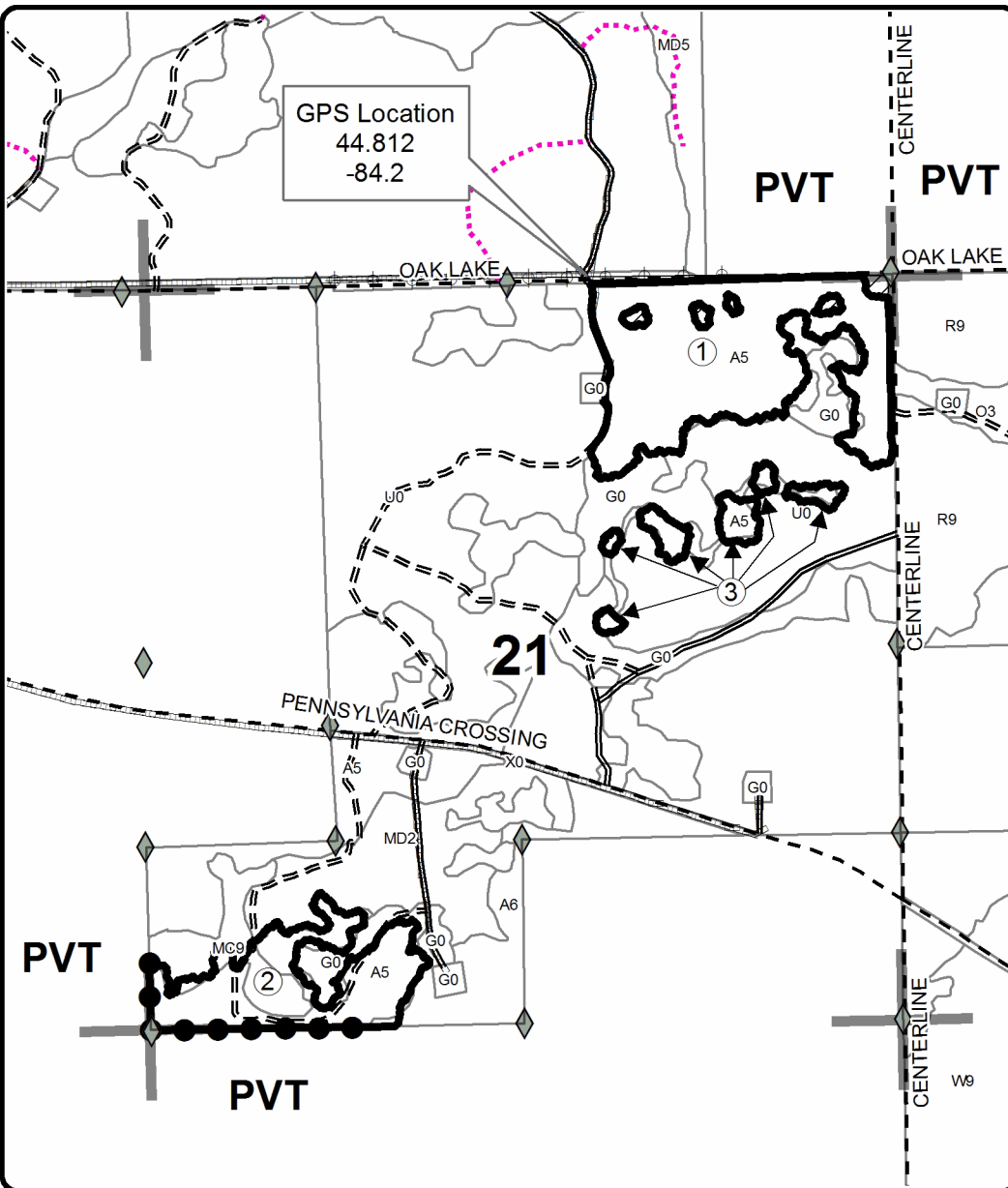
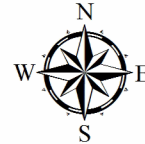
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	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	44.7
2	23.1
3	6.1

Comp 18 Aspen

Compartment 018

73.9 Acres



Legend

- Against State (Red)
- Private Line (Blue)
- Stand Boundaries
- Field Grade Corners
- Secondary Forest Road
- Forest Access Route
- Gravel Road
- Temporary Management Access
- Retention Area
- Section Corners
- Pipeline
- Powerline

Locator Map
1:200,000

