



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7460**

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on July 15, 2024.

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:

Big Foote Oak (72-038-23) / T24N, R08E, SEC. 17, SENE, SESW, N1/2SE, SWSE.

T24N, R08E, SEC. 18, SW, SWSE.

T24N, R08E, SEC. 20, NWNE.

Iosco County, Advertised Price \$27,261.10, 71.0 Acres, Hardwood, White Pine.

SALE NOTE: Sale has Class A access to Bissonnette Road.

No cutting permitted from April 15 to July 15 due to Oak Wilt Restrictions (see spec 5.2.3.4).

No waiver may be obtained for the entire sale due to residual oak regeneration that is to be protected and the condition of the Payment Units that would normally have a soft oak wilt spec.

Sale has poor to average quality pin oak and white oak with large average diameter.

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

Big Foote Oak (72-038-23)

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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 & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Northern Pin Oak	73.0 MBF	\$ 114.00 / MBF
White Oak	8.9 MBF	\$ 114.00 / MBF
Pulpwood		
B. T. Aspen	2 Cords	\$ 28.45 / Cord
Balsam Fir	8 Cords	\$ 30.90 / Cord
Mixed Oak	315 Cords	\$ 27.65 / Cord
Red Maple	17 Cords	\$ 32.95 / Cord
Red Pine	42 Cords	\$ 56.75 / Cord
White Pine	260 Cords	\$ 22.95 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 24.21 percent. There are an estimated 838 cords on this timber sale, plus or minus 203 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 \$1,363.06 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	61.2%
02	8.2%
03	10.0%
04	20.6%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 09/30/2026.

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
66,203	838	24.21%	635	1,041

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
10	4,735	60	52.21%	29	91
13	42,728	541	23.52%	414	668
27	12,030	152	26.90%	111	193
127	6,711	85	43.55%	48	122
TOTAL:	66,203	838		602	1,074

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
10	7.4	2	7.4
13	30.2	1	30.2
27	22.5	4	22.5
127	10.9	3	10.9
TOTAL:	71.0		71.0

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Northern Pin Oak	Sawtimber	34.0	MBF	30.2	\$16,671.90
	Balsam Fir	Pulpwood	8	Cords		
	Mixed Oak		139	Cords		
	<i>Northern Pin Oak</i>		118	<i>Cords</i>		
	<i>White Oak</i>		21	<i>Cords</i>		
	Red Maple		17	Cords		
	<i>Red Maple</i>	<i>Sawtimber</i>	0.6	<i>MBF</i>		
	<i>Red Maple</i>	<i>Pulpwood</i>	16	<i>Cords</i>		
	Red Pine		40	Cords		
	White Pine		256	Cords		
	<i>White Pine</i>		256	<i>Cords</i>		
	2	Northern Pin Oak	Sawtimber	9.5		
White Oak			3.3	MBF		
Mixed Oak		Pulpwood	25	Cords		
<i>Northern Pin Oak</i>			20	<i>Cords</i>		
<i>White Oak</i>			5	<i>Cords</i>		
White Pine			4	Cords		
<i>White Pine</i>		<i>Sawtimber</i>	1.2	<i>MBF</i>		
<i>White Pine</i>		<i>Pulpwood</i>	2	<i>Cords</i>		
3	Northern Pin Oak	Sawtimber	6.0	MBF	10.9	\$2,729.85
	White Oak		0.7	MBF		
	Mixed Oak	Pulpwood	67	Cords		
	<i>Northern Pin Oak</i>		62	<i>Cords</i>		
	<i>White Oak</i>		5	<i>Cords</i>		
	Red Pine		2	Cords		
4	Northern Pin Oak	Sawtimber	23.5	MBF	22.5	\$5,617.10
	White Oak		4.9	MBF		
	B. T. Aspen	Pulpwood	2	Cords		
	Mixed Oak		84	Cords		
	<i>Northern Pin Oak</i>		73	<i>Cords</i>		
	<i>White Oak</i>		11	<i>Cords</i>		
TOTAL:			81.9	MBF		
TOTAL:			644	Cords		

Sale Specific Conditions & Requirements

Sale Name: Big Foote Oak

Sale Number: 72-038-23 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 red paint or unmarked and identified by a road. Exterior sale boundary lines against state are marked with red paint, with the exception of the northern boundary of Payment Unit 1, which is unmarked and identified by Bissonnette Road. Retention patches are marked with red paint; no harvesting activities may occur within these areas. 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, cut all trees that are two (2) inches or more at DBH, except do not cut any trees marked with green paint.

Note that: Within Payment Unit 1, white oak 10 inches or greater at DBH are marked with green paint.

Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

2.1.5 - Overstory removal unit(s) (8/11)

Within Payment Unit(s) 2-4, all trees with DBH equal to or greater than 5 inches which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except do not cut trees marked with green paint.

Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 1 and 4, 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 undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings.

In Payment Units 2-4, if more than 30% 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.

3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are marked with green paint. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$100.00 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

4 - Transportation

4.1 - Construction

4.1.6 - Road construction (4/24)

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. 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

5.1.6 - Utility R.O.W. (4/19)

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the power line R.O.W. for operations.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)

No slash may exceed 24 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.

5.2.3 - Operating Restrictions

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

Within Payment Unit(s) 1-4, 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. No exceptions will be granted. This is because, there is oak regeneration that is to be protected. This is necessary to reduce the spread of oak wilt.

5.2.29 - Shrub protection (1/20)

Reasonable care shall be taken to avoid cutting or damaging junberry, and hawthorn. 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.

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

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

5.2.39 - ORV trail/route protection (4/18)

The Old State House Trail, and ORV trail or route and is shown on the Timber Sale Map. Do not cut trees or damage posts with yellow ORV markers. All stumps within 5 feet of the trail must be cut flush with the ground. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the ORV trail or route as the centerline. Do not run equipment down the ORV trail or route. Skidding across the trail or route may only occur in locations approved by the Sale Administrator.

5.2.41 - Snowmobile trail protection (9/11)

The LP 96 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. 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 trail may not be used for any timber sale operations from December 1 to March 31 without obtaining written approval from 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.

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 all haul route roads in the Sale Area 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 (10/20)

The Purchaser is responsible for posting and maintaining caution signs on LP 96 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 (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Old State House 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.

Sale Number	Date	
72-038-23	05/06/2024	
Scale	Page	Of
1:20,000	1	1

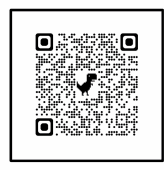
Forest Management Unit	County	Mapped By: Price
Grayling Mgt Unit	Iosco	Cruised By: Price, Nellis, McClarren

Township	Range	Section(s) and Subdivision(s)
24N	08E	Sec. 17 SENE, SESW, N1/2SE, SWSE; Sec. 18 SW, SWSE; Sec. 20 NWNE;

Cover Type			
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous		Z = Water
H = Hemlock	N = Marsh		

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

Use QR Code to open Map in App



PU #	Acres	PU #	Acres
1	30.2	3	10.9
2	7.4	4	22.5

Big Foote Oak

71.0 Acres

Compartment 068

