



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7424**

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on May 13, 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:

Help Wanted Oak (72-037-23) / T24N, R08E, SEC. 16, SWSW.

T24N, R08E, SEC. 17, SESE.

T24N, R08E, SEC. 20, NENE.

T24N, R08E, SEC. 21, N1/2NW, SENW, NE, E1/2SW, W1/2SE.

Iosco County, Advertised Price \$87,098.55, 175.8 Acres, Hardwood, Jack Pine.

SALE NOTE: This sale is mostly large diameter Northern Pin Oak and White Oak ranging from poor to average quality. The entire sale is oak wilt restricted, from April 15th through July 15th, to protect the oak regeneration that is to be left, or the small acreage remaining after a buffer has been cut in Payment Units 6 and 7. Signs must be placed from both directions of sale on all haul route roads, snowmobile trail, and ORV trail shown on the map, prior to operations. Two powerlines are present within the Sale Area.

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

Help Wanted Oak (72-037-23)

T24N, R08E, SEC. 16; T24N, R08E, SEC. 17; T24N, R08E, SEC. 20; T24N, R08E, SEC. 21.

Iosco County (Advertised Price \$87,098.55)

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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 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	283.6 MBF	\$ 158.00 / MBF
White Oak	35.5 MBF	\$ 126.00 / MBF
Pulpwood		
B. T. Aspen	21 Cords	\$ 30.65 / Cord
Black Cherry	1 Cords	\$ 31.75 / Cord
Jack Pine	163 Cords	\$ 23.10 / Cord
Mixed Oak	1,051 Cords	\$ 26.55 / Cord
Red Pine	86 Cords	\$ 56.25 / Cord
White Pine	15 Cords	\$ 24.60 / Cord
White Spruce	6 Cords	\$ 44.25 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 14.83 percent. There are an estimated 2,092 cords on this timber sale, plus or minus 310 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 \$4,354.93 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	24.2%
02	4.3%
03	18.5%
04	17.0%
05	15.9%
06	9.8%
07	10.3%

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
165,262	2,092	14.83%	1,782	2,402

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
36	82,830	1,048	12.99%	912	1,185
41	18,804	238	31.91%	162	314
43	18,680	236	30.32%	165	308
133	44,947	569	20.61%	452	686
TOTAL:	165,262	2,092		1,691	2,493

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
36	116.8	2	9.1
		3	38.8
		4	35.6
		5	33.3
41	12.1	6	12.1
43	13.5	7	13.5
133	33.4	1	33.4
TOTAL:	175.8		175.8

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Northern Pin Oak	Sawtimber	50.6	MBF	33.4	\$21,027.25
	White Oak		3.0	MBF		
	B. T. Aspen	Pulpwood	13	Cords		
	Black Cherry		1	Cords		
	Jack Pine		76	Cords		
	Mixed Oak		303	Cords		
	<i>Northern Pin Oak</i>		296	<i>Cords</i>		
	<i>White Oak</i>		7	<i>Cords</i>		
	Red Pine		34	Cords		
	White Pine		10	Cords		
	White Spruce		6	Cords		
2	Northern Pin Oak	Sawtimber	15.4	MBF	9.1	\$3,765.65
	White Oak		1.7	MBF		
	Mixed Oak	Pulpwood	40	Cords		
	<i>Northern Pin Oak</i>		35	<i>Cords</i>		
	<i>White Oak</i>		5	<i>Cords</i>		
	Red Pine		1	Cords		
3	Northern Pin Oak	Sawtimber	65.5	MBF	38.8	\$16,136.30
	White Oak		7.3	MBF		
	Jack Pine	Pulpwood	2	Cords		
	Mixed Oak		171	Cords		
	<i>Northern Pin Oak</i>		149	<i>Cords</i>		
	<i>White Oak</i>		22	<i>Cords</i>		
	Red Pine		5	Cords		
4	Northern Pin Oak	Sawtimber	60.2	MBF	35.6	\$14,795.35
	White Oak		6.7	MBF		
	Jack Pine	Pulpwood	2	Cords		
	Mixed Oak		157	Cords		
	<i>Northern Pin Oak</i>		137	<i>Cords</i>		
	<i>White Oak</i>		20	<i>Cords</i>		
	Red Pine		4	Cords		
5	Northern Pin Oak	Sawtimber	56.3	MBF	33.3	\$13,863.25
	White Oak		6.3	MBF		
	Jack Pine	Pulpwood	2	Cords		
	Mixed Oak		147	Cords		
	<i>Northern Pin Oak</i>		128	<i>Cords</i>		
	<i>White Oak</i>		19	<i>Cords</i>		
	Red Pine		4	Cords		
6	Northern Pin Oak	Sawtimber	16.6	MBF	12.1	\$8,512.05
	White Oak		1.3	MBF		
	B. T. Aspen	Pulpwood	5	Cords		
	Jack Pine		25	Cords		
	Mixed Oak		139	Cords		
	<i>Northern Pin Oak</i>		116	<i>Cords</i>		
	<i>White Oak</i>		23	<i>Cords</i>		
	Red Pine		21	Cords		
	White Pine		5	Cords		
7	Northern Pin Oak	Sawtimber	19.0	MBF	13.5	\$8,998.70
	White Oak		9.2	MBF		
	B. T. Aspen	Pulpwood	3	Cords		
	Jack Pine		56	Cords		
	Mixed Oak		94	Cords		
	<i>Northern Pin Oak</i>		72	<i>Cords</i>		
	<i>White Oak</i>		22	<i>Cords</i>		
	Red Pine		17	Cords		

TOTAL:	319.1	MBF
TOTAL:	1,343	Cords

Sale Specific Conditions & Requirements

Sale Name: Help Wanted Oak

Sale Number: 72-037-23 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 and yellow paint or are unmarked and identified by a road or trail. Exterior sale boundary lines against private property, the northern boundary of Payment Unit 3, is unpainted and identified by Nine Point Road. Exterior sale boundary lines against state are marked with red paint, with the exception of the western boundary of Payment Unit 1, which is unmarked and identified by Small Road, and the eastern boundary of Payment Units 6 & 7, which are unpainted and identified by Merton Road. Interior Payment Unit boundaries are marked with yellow paint, with the exception of the boundary between Payment Units 3 & 6, which is unmarked and designated by Near Trail, and the boundaries between Payment Units 2 & 3 and 4 & 5 is unpainted and identified by Wentworth Road, and the boundary between Payment Units 3 & 4, which is unmarked and designated by the ORV Trail. 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. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1, 6 & 7, cut all trees that are two (2) inches or more at DBH, except do not cut any 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.

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

Within Payment Unit(s) 2-5, all trees which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except do not cut any trees marked with green paint. Avoid operating in areas of dense oak or jack pine regeneration where possible. Operational and felling paths are to be cut clean, and open areas should be utilized where possible for felling and skidding. 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) 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, reasonable care should be taken to avoid damage to tree seedlings and saplings.

Within Payment Units 2-5, 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.

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 \$300.00 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 (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 laid flat or utilized in road closure. Stumps shall be set upright, not left on edge, and be moved at least 20 feet from any existing road or utilized in road closure. 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. 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

5.2.2 - 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) 2-5, 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 protect the oak regeneration present in these Payment Units. Hauling of forest products already decked at the landing may be allowed if haul roads were brushed prior to April 15. This is necessary to reduce the spread of oak wilt.

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 1, 6 & 7, 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.

5.2.29 - Shrub protection (1/20)

Reasonable care should be taken to avoid cutting or damaging hawthorn and juneberry. These woody-shrub plants are highly beneficial to wildlife.

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 is an 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 Trail 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 snowmobile trail may not be used for any timber sale operations from December 1 to March 31 without written permission 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, into and out of the sale, 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 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 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 ORV 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
72-037-23Date
02/27/2024Forest Management Unit
Grayling Mgt UnitCounty
Iosco

Mapped By: Price

Cruised By: Price, McClarren

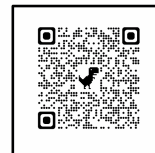
Scale
1:15,840Page
1Of
1Township
24NRange
08ESection(s) and
Subdivision(s) Sec. 16 SWSW; Sec. 17 SESE; Sec. 20 NENE; Sec. 21 N1/2NW,SENW,NE,E1/2SW,W1/2SE;**Cover Type**

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	33.4	5	33.3
2	9.1	6	12.1
3	38.8	7	13.5
4	35.6		

Help Wanted Oak
175.8 Acres
Compartment 068