



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7405**

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on April 23, 2024.

LOCATION: GAYLORD MGMT UNIT, 1732 WEST M 32, GAYLORD, MI 49735.

CONTACT NAME: Lucas Merrick

PHONE NUMBER: (989) 732-3541

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, GAYLORD MANAGEMENT UNIT, for certain timber on the following described lands:

Oak Trio (52-019-23) / T29N, R01W, SEC. 5 , SWNE,W1/2SE.

T29N, R01W, SEC. 8 , SENW,SWNE.

Otsego County, Advertised Price \$120,099.20, 53.6 Acres, Hardwood, Red Oak.

SALE NOTE: Regeneration harvest. Oak wilt specs will apply in all Payment Units. In Payment Unit 1, producer will be required to place slash on oak stumps to deter deer browse.

TIMBER SALE INFORMATION

Oak Trio (52-019-23)

T29N, R01W, SEC. 5; T29N, R01W, SEC. 8.

Otsego County (Advertised Price \$120,099.20)

SALE NOTE: Regeneration harvest. Oak wilt specs will apply in all Payment Units. In Payment Unit 1, producer will be required to place slash on oak stumps to deter deer browse.

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		
Black/Red (Hybrid) Oak	49.1 MBF	\$ 136.00 / MBF
Red Maple	23.0 MBF	\$ 202.00 / MBF
Red Oak	348.4 MBF	\$ 189.00 / MBF
White Oak	16.9 MBF	\$ 64.00 / MBF
White Pine	13.9 MBF	\$ 86.00 / MBF
Pulpwood		
Mixed Aspen	90 Cords	\$ 20.50 / Cord
Mixed Hardwood	437 Cords	\$ 25.25 / Cord
Mixed Oak	80 Cords	\$ 40.15 / Cord
Red Oak	553 Cords	\$ 40.15 / Cord
Red Pine	20 Cords	\$ 52.40 / Cord
White Pine	32 Cords	\$ 40.90 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 13.08 percent. There are an estimated 2,271 cords on this timber sale, plus or minus 297 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 \$6,004.96 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	68.8%
02	31.2%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2026.

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
179,440	2,271	13.08%	1,974	2,569

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
51	116,059	1,469	19.01%	1,190	1,748
65	63,381	802	11.32%	711	893
TOTAL:	179,440	2,271		1,901	2,641

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
51	31.2	1	31.2
65	22.4	2	22.4
TOTAL:	53.6		53.6

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Sawtimber	14.8	MBF	31.2	\$82,593.90
	Red Oak		274.9	MBF		
	White Oak		9.7	MBF		
	Mixed Aspen	Pulpwood	34	Cords		
	<i>B. T. Aspen</i>	<i>Sawtimber</i>	3.0	<i>MBF</i>		
	<i>Quaking Aspen</i>		8.4	<i>MBF</i>		
	<i>B. T. Aspen</i>	<i>Pulpwood</i>	8	<i>Cords</i>		
	<i>Quaking Aspen</i>		3	<i>Cords</i>		
	Mixed Hardwood		270	Cords		
	<i>Red Maple</i>		262	<i>Cords</i>		
	<i>Sugar Maple</i>		8	<i>Cords</i>		
	Mixed Oak		23	Cords		
	<i>White Oak</i>		23	<i>Cords</i>		
	Red Oak		463	Cords		
	2	Black/Red (Hybrid)	Sawtimber	49.1		
Red Maple			8.2	MBF		
Red Oak			73.5	MBF		
White Oak			7.2	MBF		
White Pine			13.9	MBF		
Mixed Aspen		Pulpwood	56	Cords		
<i>B. T. Aspen</i>		<i>Sawtimber</i>	2.4	<i>MBF</i>		
<i>B. T. Aspen</i>		<i>Pulpwood</i>	51	<i>Cords</i>		
Mixed Hardwood			167	Cords		
<i>Red Maple</i>			167	<i>Cords</i>		
Mixed Oak			57	Cords		
<i>/Red (Hybrid) Oak</i>			37	<i>Cords</i>		
<i>White Oak</i>			20	<i>Cords</i>		
Red Oak			90	Cords		
Red Pine			20	Cords		
<i>Red Pine</i>		<i>Sawtimber</i>	8.9	<i>MBF</i>		
<i>Red Pine</i>		<i>Pulpwood</i>	2	<i>Cords</i>		
White Pine			32	Cords		
TOTAL:			451.3	MBF		
TOTAL:			1,212	Cords		

Sale Specific Conditions & Requirements

Sale Name: Oak Trio

Sale Number: 52-019-23 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundaries are marked and identified by blue, green and red paint. 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 green 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 & 2, cut all trees that are two (2) inches or more at DBH.

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

2.2 - Utilization

2.2.9 - No chipping permitted (12/08)

Within Payment Unit(s) 1, all wood must be removed by whole tree, tree segment, or roundwood. No chipping is permitted. Tops may not be chipped.

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, extreme care should be taken to avoid damage to white pine seedlings and saplings in Payment Unit 2.

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 \$150.00 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 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. Contact the Sale Administrator for specific details of design and placement.

4.2 - Maintenance

4.2.2 - Fill material (4/07)

To maintain roads, fill material may be needed in areas where "holes" exist or may be expected to develop. This fill material should be placed before trucking begins.

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

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 on site between the Purchaser and sale administrator is required prior to beginning any operations. 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 and MISS DIG 811 30 days 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 treetops may exceed 36 inches in height. This only applies to Payment Unit 2. See sale specification 5.2.1.11 regarding slash in Payment Unit 1.

5.2.1.11 - Slash for reforestation (3/21)

To protect oak stump sprouts from browsing, chipping or removal of slash and/or treetops from Payment Unit 1 is not permitted.

Slash and sub-merchantable treetops must be placed high and wide, centered over oak stumps. They must not be compacted and may be unevenly spread out throughout the Sale Area. The goal is to make the piles impenetrable by deer

or elk and allow for vigorous stump sprouting.

In all cases, these efforts must meet the satisfaction of the Sale Administrator.

5.2.1.13 - Dispose of slash as directed (12/05)

Slash is to be disposed of as directed by the Sale Administrator. See sale specification 5.2.1.11 for more information.

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 all Payment Units, 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 necessary to reduce the spread of oak wilt.

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.

5.4 - 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.

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an on-site evaluation and recommendation can be made, if necessary.

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 Douglas Lake Road and state forest 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. These signs must have high visibility and be approved by the Sale Administrator.

