



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7189**

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on March 7, 2023.**

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

CONTACT NAME: Lucas Merrick

PHONE NUMBER: (989) 732-3541

PROSPECTUS NOTE: All bid openings for the Gaylord Management Unit (Gaylord Field Office and Indian River Field Office) will be held at the Gaylord Field Office regardless of sale location within the unit. All payments and contract executions will now be handled through the Gaylord Field Office. The Indian River Field Office will no longer accept payments or hard paper copies of timber sale bids. Payments for all contracts, use permits, bonds, etc. should be sent to the Gaylord Field Office.

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:

Caulkins Lake Mix (52-019-22) / T29N, R01W, SEC. 14, SWNW.

T29N, R01W, SEC. 15, E1/2NW,NE.

Otsego County, Advertised Price \$28,964.35, 79.7 Acres, Hardwood, White Pine.

SALE NOTE: This sale is primarily a winter only harvest with operating restriction specs due to sensitive soils & rare/threatened plants. There is a powerline that bisects PU 2, situational awareness will be essential for purchaser safety.

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

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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		
Mixed Oak	69.6 MBF	\$ 125.00 / MBF
Red Pine	14.9 MBF	\$ 142.00 / MBF
White Pine	52.1 MBF	\$ 45.00 / MBF
Pulpwood		
Balsam Fir	2 Cords	\$ 20.80 / Cord
Jack Pine	230 Cords	\$ 21.15 / Cord
Mixed Aspen	108 Cords	\$ 21.30 / Cord
Mixed Hardwood	16 Cords	\$ 17.30 / Cord
Mixed Oak	89 Cords	\$ 41.05 / Cord
Red Pine	6 Cords	\$ 52.55 / Cord
White Pine	136 Cords	\$ 32.00 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 24.74 percent. There are an estimated 864 cords on this timber sale, plus or minus 214 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 \$1,448.22 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	22.2%
02	50.1%
03	27.7%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2025.

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
68,283	864	24.74%	650	1,078

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
8	18,062	229	29.97%	160	297
10	13,538	171	74.90%	43	300
11	5,609	71	165.68%	47	189
15	19,265	244	48.64%	125	362
16	11,810	149	37.21%	94	205
TOTAL:	68,283	864		376	1,353

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
8	26.0	1	26.0
10	12.5	2	12.5
11	3.1	1	3.1
15	23.5	2	23.5
16	14.6	3	14.6
TOTAL:	79.7		79.7

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Jack Pine	Pulpwood	230	Cords	29.1	\$6,440.70
	<i>Jack Pine</i>	<i>Sawtimber</i>	18.5	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	193	<i>Cords</i>		
	Mixed Aspen		74	Cords		
	<i>B. T. Aspen</i>		70	<i>Cords</i>		
	<i>Quaking Aspen</i>		4	<i>Cords</i>		
2	Mixed Oak	Sawtimber	22.3	MBF	36.0	\$14,497.40
	<i>Northern Pin Oak</i>		7.1	<i>MBF</i>		
	<i>Red Oak</i>		15.2	<i>MBF</i>		
	Red Pine		14.9	MBF		
	White Pine		52.1	MBF		
	Mixed Aspen	Pulpwood	34	Cords		
	<i>Quaking Aspen</i>		34	<i>Cords</i>		
	Mixed Hardwood		3	Cords		
	<i>Black Cherry</i>		3	<i>Cords</i>		
	Mixed Oak		44	Cords		
	<i>Northern Pin Oak</i>		29	<i>Cords</i>		
	<i>Red Oak</i>		15	<i>Cords</i>		
	Red Pine		6	Cords		
	White Pine		136	Cords		
3	Mixed Oak	Sawtimber	47.3	MBF	14.6	\$8,026.25
	<i>Northern Pin Oak</i>		15.8	<i>MBF</i>		
	<i>Red Oak</i>		31.5	<i>MBF</i>		
	Balsam Fir	Pulpwood	2	Cords		
	Mixed Hardwood		13	Cords		
	<i>Red Maple</i>	<i>Sawtimber</i>	2.4	<i>MBF</i>		
	<i>Red Maple</i>	<i>Pulpwood</i>	8	<i>Cords</i>		
	Mixed Oak		45	Cords		
	<i>Northern Pin Oak</i>		21	<i>Cords</i>		
	<i>Red Oak</i>		24	<i>Cords</i>		
TOTAL:			136.6	MBF		
TOTAL:			587	Cords		

Sale Specific Conditions & Requirements

Sale Name: Caulkins Lake Mix

Sale Number: 52-019-22 Seq#: 1

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, red and yellow paint. Caulkins Lake Road serves as an unpainted sale boundary on the east edge of Payments Unit(s) 2 & 3. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. 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, cut all trees that are two (2) inches or more at DBH.

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

Within Payment Unit(s) 3, cut all trees which meet minimum piece specifications in 2.2 Utilization except pine and white oak.

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

Within Payment Unit(s) 2, all trees with DBH equal to or greater than 6 inches which meet minimum piece specifications in 2.2 Utilization, are designated for cutting except trees marked with green paint. See specification 3.4.2 Special protection trees for more information.

3 - Payments

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.

Within the sale area, 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 \$ 200.00 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 \$ 150.00 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

4.2.5 - 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 10 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 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 tree tops may exceed 36 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

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) # 1 & 2 cutting, skidding, and hauling are only permitted during the period of approximately December 1 to March 31. This restriction is to protect rare/threatened plants that are known to grow in this area. It is also in place to ensure oak dormancy during harvest and protect sensitive soils.

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) #'s 3 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.

5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in any Payment Unit must be completed before significant tree sprouting occurs so as to minimize damage to the new regeneration. The Unit Manager or his/her representative may cease such operations if sprouting occurs before the operation is complete.

5.2.29 - Shrub protection (1/20)

Do not cut or damage hawthorn, witch-hazel, dogwood or juneberry. 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 ORV trail is shown on the Timber Sale Map, located on the north edge of Payment Unit 1. Do not cut trees or damage posts with yellow ORV markers. All stumps within 10 feet of the trail must be cut flush with the ground. Maintain a 50 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. No decking of forest products will be permitted along the ORV trail. Skidding across the trail or route may only occur in locations approved by the sale administrator.

5.2.40 - Pathway protection (10/10)

The Hiking Trail / Equestrian trail is shown on the Timber Sale Map, located in Payment Unit 2. Do not cut trees or damage posts with blue pathway markers. Maintain a 50-foot wide slash, debris, and rut free zone daily, using the pathway as the centerline. Do not run equipment down the pathway. Skidding across the trail may only occur in locations approved by the sale administrator.

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.

5.4.3 - Erosion control (12/08)

Skid trails or haul roads may require erosion control structures or berms per direction of the Unit Manager or his/her representative.

5.4.7 - Rutting restriction, Riparian Management Zone (RMZ) (1/09)

Within the Riparian Management Zone (RMZ), 50 feet from the west boundary of Payment Unit 2, operations are to cease immediately if equipment and weather conditions result in rutting of roads and skid trails which is 6 inches or greater in depth and 25 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 Caulkins 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.

6.2.3 - Recreational trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on recreational trails 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.



Sale Number	Year
52-019	22

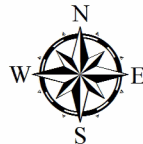
TIMBER SALE MAP

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

Forest Management Unit Gaylord	County Otsego	Mapped By Doug Tyran	Date 08/05/2022	Page 1	of 1
Township 29N	Range 01W	Section(s) and Subdivision(s) Section 14: SWNW & Section 15: E1/2NW & NE1/4	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	29.1
2	36.0
3	14.6



Caulkins Lake Mix

Compartment 003

79.7 Acres

Legend

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Stand Boundaries
- Lakes and Rivers
- Secondary Forest Road
- Forest Access Route
- Paved Road
- County Road - Seasonal
- Private
- Recreational Trail
- Field Grade Corners
- Powerline



Locator Map
1:200,000

