DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7103

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on August 23, 2022.**
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:

C 45 HDWDS North (52-010-22) / T31N, R05W, SEC. 10, N1/2NE.
T31N, R05W, SEC. 11, NWNW,S1/2NW.
T31N, R05W, SEC. 2 , W1/2SW.
T31N, R05W, SEC. 3 , NESE,S1/2SE.
Antrim County, Advertised Price $194,524.00, 164.5 Acres, Hardwood, Sugar Maple.
SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

Steep slopes, difficult access, bark slip restrictions apply

TIMBER SALE INFORMATION

C 45 HDWDS North (52-010-22)
T31N, R05W, SEC. 10; T31N, R05W, SEC. 11; T31N, R05W, SEC. 2; T31N, R05W, SEC. 3.
Antrim County (Advertised Price $194,524.00)

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

Steep slopes, difficult access, bark slip restrictions apply

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:

PRODUCTS & SPECIES	ESTIMATED UNITS*		ADVERTISED PRICE	
Sawtimber				
Basswood	232.5	MBF	$ 52.00	/ MBF
Beech	237.0	MBF	$ 46.00	/ MBF
Quaking Aspen	47.0	MBF	$ 50.00	/ MBF
Red Maple	198.3	MBF	$ 89.00	/ MBF
Sugar Maple	341.7	MBF	$ 362.00	/ MBF
Pulpwood				
Basswood	215	Cords	$ 11.30	/ Cord
Mixed Hardwood	1,578	Cords	$ 15.85	/ Cord
Quaking Aspen	22	Cords	$ 18.05	/ Cord

* The total volume is statistically estimated within plus (+) or minus (-) 5.84 percent. There are an estimated 4,408 cords on this timber sale, plus or minus 258 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 $9,726.20 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	34.9%
02	41.5%
03	23.6%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2025.

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
348,257	4,408	5.84%	4,151	4,666

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
20	290,987	3,683	6.66%	3,438	3,929
115	57,271	725	10.82%	646	803
TOTAL:	**348,257**	**4,408**		**4,084**	**4,732**

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
20	133.2	1	55.1
		2	65.6
		3	12.5
115	31.3	3	31.3
TOTAL:	**164.5**		**164.5**

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	68.3	MBF	55.1	$67,809.75
	Beech		80.0	MBF		
	Quaking Aspen		16.7	MBF		
	Red Maple		76.7	MBF		
	Sugar Maple		119.0	MBF		
	Basswood	Pulpwood	60	Cords		
	Mixed Hardwood		570	Cords		
	Beech		*160*	*Cords*		
	Ironwood		*2*	*Cords*		
	Red Maple		*116*	*Cords*		
	Sugar Maple		*290*	*Cords*		
	Yellow Birch		*2*	*Cords*		
	Quaking Aspen		7	Cords		
2	Basswood	Sawtimber	81.4	MBF	65.6	$80,745.60
	Beech		95.2	MBF		
	Quaking Aspen		19.8	MBF		
	Red Maple		91.3	MBF		
	Sugar Maple		141.7	MBF		
	Basswood	Pulpwood	71	Cords		
	Mixed Hardwood		681	Cords		
	Beech		*191*	*Cords*		
	Ironwood		*3*	*Cords*		
	Red Maple		*138*	*Cords*		
	Sugar Maple		*346*	*Cords*		
	Yellow Birch		*3*	*Cords*		
	Quaking Aspen		7	Cords		
3	Basswood	Sawtimber	82.8	MBF	43.8	$45,968.65
	Beech		61.8	MBF		
	Quaking Aspen		10.5	MBF		
	Red Maple		30.3	MBF		
	Sugar Maple		81.0	MBF		
	Basswood	Pulpwood	84	Cords		
	Mixed Hardwood		327	Cords		
	Beech		*136*	*Cords*		
	Ironwood		*2*	*Cords*		
	Red Maple		*34*	*Cords*		
	Sugar Maple		*155*	*Cords*		
	Quaking Aspen		8	Cords		
		TOTAL:	1,056.5	MBF		
		TOTAL:	1,815	Cords		

Sale Specific Conditions & Requirements

Sale Name: C 45 HDWDS North **Sale Number: 52-010-22 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. 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. Regen gaps in the sale are marked with teal paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. 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

2.1.3 - Cut tree marked unit(s) (12/08)
Within Payment Unit(s) 1-3, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. Also, cut all beech trees unless marked with pink paint above and below stump height. All trees in regen gaps must be cut if they are over 6 feet in height.

2.2 - Utilization

2.2.5 - Limbed tree skidding (1/09)
The skidding of whole trees or tree segments with limbs attached is prohibited unless approved by the Unit Manager or his/her representative.

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 tree seedlings and saplings. Within the Sale Area, 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 $500 per acre for all acreage within that specified portion of the Sale Area that was damaged.
No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 5 % of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

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 dispersed throughout the sale.

4.1.4 - Timber removed for construction (12/09)
Trees cut or damaged in the process of pre-approved road, landing or skid trail construction will be decked in an area separate from other Designated Timber and not removed until measured by the sale administrator. Payment will be made at the specified Purchase Unit Price.

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

4.2.4 - 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.

4.4 - Access

4.4.1 - Private property access (3/11)
Permission for access across private land is the responsibility of the Purchaser.

5 - Operations

5.1 - Notification

5.1.3 - Well heads and natural gas pipelines (11/15)
The Purchaser is responsible for contacting the MISS DIG hotline 30 days prior to operating equipment in the vicinity of well heads or natural gas pipelines.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)
No slash or tree tops may 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.

5.2.3 - Operating Restrictions

5.2.3.3 - Bark slippage restriction (3/09)
Within Payment Unit(s) 1-3, unless changed by written agreement, cutting, and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

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.

5.4.2 - Skid trails (2/04)
Skid trails up and down slopes should be avoided. If however this is unavoidable, these trails will be left in a non-erodible condition using water bars, logs, and slash. Placing of slash on these skid trails while logging is ongoing may alleviate need for any further action. At the direction of the sale administrator, seed, fertilizer, and mulch may also be required.

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.

5.4.4 - Slope protection (9/19)
Skid trails and roads on slopes shall be water barred with slash, stumps, and/or clean straw bales native to the area as soon as use is complete to prevent erosion.

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 state forest roads, M 32, US 131, and Grygier Road, depending on haul routes, 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.

Michigan Department of Natural Resources - Forest Resources Division

TIMBER SALE MAP

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

Sale Number	Year
52 - 010	22

Forest Management Unit	County	Mapped By	Cruised By	Date	Page	of
Gaylord	Antrim	Crew	Superior Forestry	05/14/22	1	1

Township	Range	Section(s) and Subdivision(s)	Scale
31N	05W	2 - W1/2SW; 3 - NE/SE, S1/2SE; 10 - N1/2NE; 11 - NW/NW, S1/2NW	1:15,840

Cover Type

A = Aspen
B = Paper Birch
C = Cedar
D = Treed Bog
E = Swamp Hdwoods
F = Spruce Fir
G = Grass
H = Hemlock
J = Jack Pine
L = Lowland Brush
LM = Lowland Mixed
M = Mpl, Bch, Brch
MC = Mixed Conifer
MD = Mixed Decidious
N = Marsh
O = Oak
P = Lowland Poplar
Q = Mixed Swamp Conifer
R = Red Pine
S = Black Spruce
T = Tamarack
U = Upland Brush
UM = Upland Mixed
V = Bog or Marsh
W = White Pine
X = Non Stocked
Z = Water

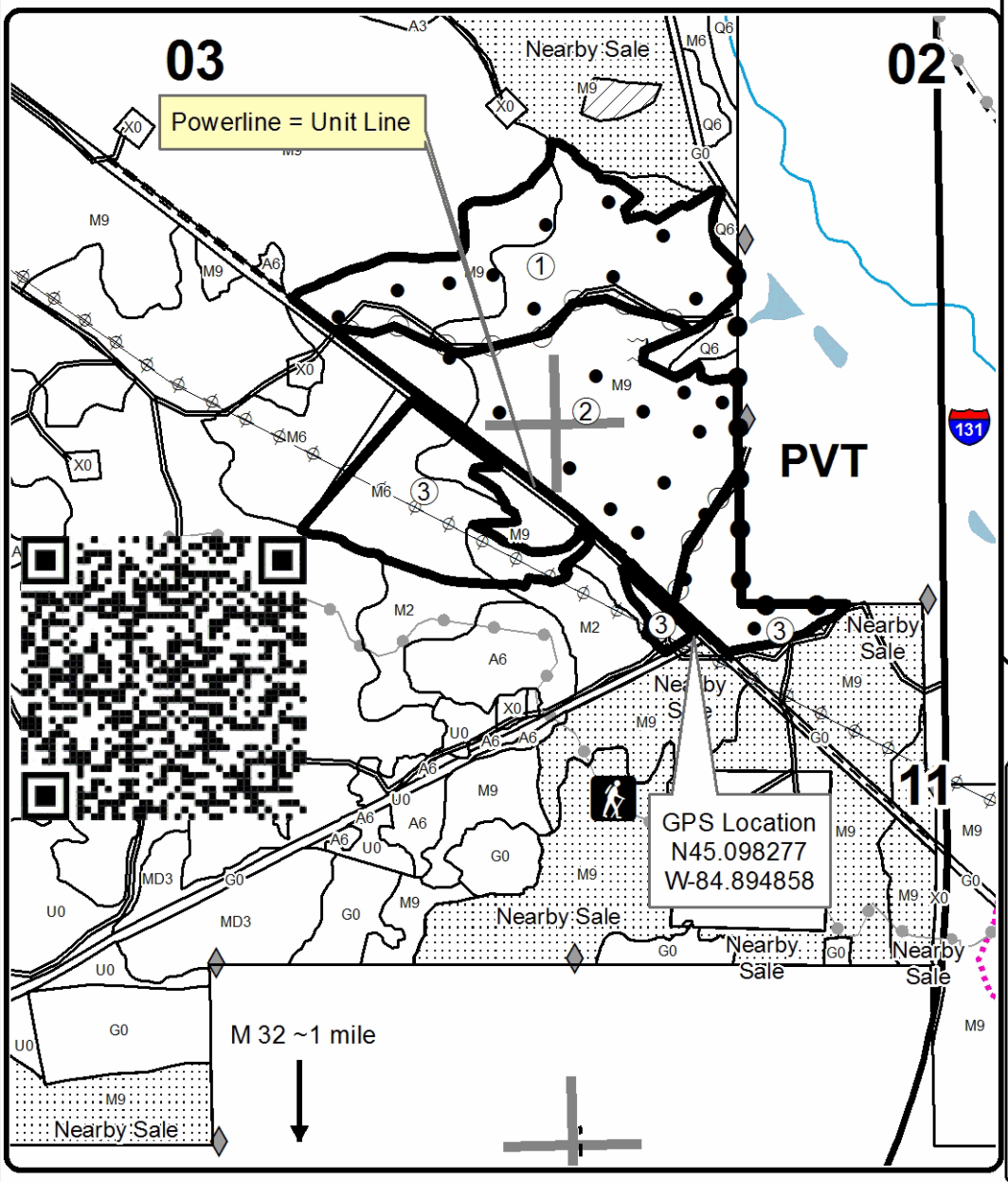
Density

0 = Non Stocked
1 = Seedling Sapling Poor
2 = Seedling Sapling Medium
3 = Seedling Sapling Well
4 = Pole Timber Poor
5 = Pole Timber Medium
6 = Pole Timber Well
7 = Saw Timber Poor
8 = Saw Timber Medium
9 = Saw Timber Well

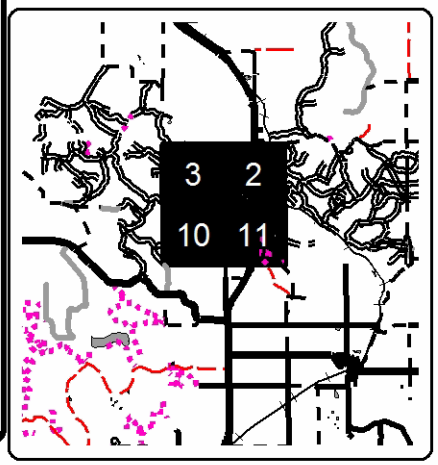
PU	Acres	PU	Acres
1	55.1		
2	65.6		
3	43.8		

C 45 HDWDS North

Compartment 045
164.5 Acres



Legend

- Regen_Gaps (Teal)
- Stand Boundaries
- Recreational Trail
- Field Grade Corners
- Highway
- Secondary Forest Road
- Forest Access Route
- Gravel Road
- Temporary Management Access
- Perennial River
- Lakes and Rivers
- Nearby Timber Sales
- Section Corners
- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)

Locator Map
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