



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6922

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on November 3, 2021.**

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

CONTACT NAME: Lucas Merrick

PHONE NUMBER: (989) 732-3541

PROSPECTUS NOTE: Effective immediately 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:

Hawkeye Mix (52-015-21) / T33N, R05W, SEC. 26, SWNW,SW.

T33N, R05W, SEC. 27, SWNE,SE.

T33N, R05W, SEC. 34, N1/2NE.

Charlevoix County, Advertised Price \$110,812.30, 115.7 Acres, Aspen, Hardwood.

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

TIMBER SALE INFORMATION

Hawkeye Mix (52-015-21)

T33N, R05W, SEC. 26; T33N, R05W, SEC. 27; T33N, R05W, SEC. 34.
Charlevoix County (Advertised Price \$110,812.30)

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

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		
Basswood	97.3 MBF	\$ 44.00 / MBF
Beech	64.1 MBF	\$ 50.00 / MBF
Mixed Aspen	168.6 MBF	\$ 41.00 / MBF
Red Maple	31.6 MBF	\$ 78.00 / MBF
Sugar Maple	151.8 MBF	\$ 378.00 / MBF
Pulpwood		
Basswood	265 Cords	\$ 7.25 / Cord
Mixed Aspen	834 Cords	\$ 16.00 / Cord
Mixed Hardwood	1,261 Cords	\$ 16.70 / Cord
Red Oak	27 Cords	\$ 9.05 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 5.09 percent. There are an estimated 3,507 cords on this timber sale, plus or minus 179 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 \$5,540.62 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	32.1%
02	15.0%
03	17.6%
04	35.3%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2023.

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.

<u>VOLUME</u>		<u>STATISTICAL RANGE IN CORDS</u>		
<u>TOTAL CUBIC FEET</u>	<u>TOTAL CORDS</u>	<u>PERCENT ERROR</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>
277,067	3,507	5.09%	3,328	3,686

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
48	113,715	1,439	7.54%	1,331	1,548
55	27,870	353	11.63%	312	394
143	26,704	338	13.28%	293	383
184	101,245	1,282	9.47%	1,160	1,403
TOTAL:	269,533	3,412		3,096	3,728

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
48	50.9	2	23.1
		3	27.8
55	13.5	1	13.2
		2	0.3
143	11.2	1	11.2
184	40.1	4	40.1
TOTAL:	115.7		115.7

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	39.6	MBF	24.4	\$35,594.20
	Beech		10.1	MBF		
	Mixed Aspen		36.6	MBF		
	B. T. Aspen		5.5	MBF		
	Quaking Aspen		31.1	MBF		
	Red Maple		9.0	MBF		
	Sugar Maple		67.5	MBF		
	Basswood		36	Cords		
	Mixed Aspen		37	Cords		
	B. T. Aspen		5	Cords		
	Quaking Aspen		32	Cords		
	Mixed Hardwood		286	Cords		
	Beech		19	Cords		
	Black Cherry		7	Cords		
	Ironwood		6	Cords		
	Red Maple		16	Cords		
	Sugar Maple		238	Cords		
2	Basswood	Sawtimber	6.0	MBF	23.4	\$16,569.70
	Beech		1.0	MBF		
	Mixed Aspen		34.9	MBF		
	B. T. Aspen		34.6	MBF		
	Quaking Aspen		0.3	MBF		
	Red Maple		0.2	MBF		
	Sugar Maple		16.2	MBF		
	Basswood		20	Cords		
	Mixed Aspen		348	Cords		
	B. T. Aspen		197	Cords		
	Quaking Aspen		151	Cords		
	Mixed Hardwood		178	Cords		
	American Elm		0.6	MBF		
	American Elm		2	Cords		
	Beech		5	Cords		
	Black Cherry		3	Cords		
	Ironwood		8	Cords		
	Red Maple		12	Cords		
	Sugar Maple		139	Cords		
	White Ash		8	Cords		
3	Basswood	Sawtimber	7.3	MBF	27.8	\$19,456.15
	Beech		0.9	MBF		
	Mixed Aspen		41.7	MBF		
	B. T. Aspen		41.7	MBF		
	Sugar Maple		18.7	MBF		
	Basswood		23	Cords		
	Mixed Aspen		418	Cords		
	B. T. Aspen		237	Cords		
	Quaking Aspen		181	Cords		
	Mixed Hardwood		207	Cords		
	American Elm		0.7	MBF		
	American Elm		3	Cords		
	Beech		5	Cords		
	Black Cherry		3	Cords		
	Ironwood		10	Cords		
	Red Maple		14	Cords		
	Sugar Maple		162	Cords		
	White Ash		9	Cords		

DESCRIPTION OF TIMBER BY PU (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
4	Basswood	Sawtimber	44.4	MBF	40.1	\$39,175.55
	Beech		52.1	MBF		
	Mixed Aspen		55.4	MBF		
	B. T. Aspen		55.4	MBF		
	Red Maple		22.4	MBF		
	Sugar Maple	Pulpwood	49.4	MBF		
	Basswood		186	Cords		
	Mixed Aspen		31	Cords		
	B. T. Aspen		31	Cords		
	Mixed Hardwood		589	Cords		
	Beech		107	Cords		
	Ironwood		14	Cords		
	Red Maple		119	Cords		
	Sugar Maple		349	Cords		
	Red Oak		27	Cords		
	Red Oak	Sawtimber	5.3	MBF		
	Red Oak	Pulpwood	16	Cords		
TOTAL:			513.4	MBF		
TOTAL:			2,386	Cords		

Sale Specific Conditions & Requirements

Sale Name: Hawkeye Mix

Sale Number: 52-015-21 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. 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) 1-4, cut all trees that are two (2) inches or more at DBH.

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.

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.

4.1.6 - 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. Stumps and brush must be placed along the remainder of the trail. 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.

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 to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 5 days in advance to schedule the conference.

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.

5.2.32 - 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 and stumps as soon as use is complete to prevent erosion.

5.8 - Protection of Endangered Species

5.8.3 - Red shoulder hawk or goshawk (2/16)

In the event that an active red shoulder hawk or goshawk nest is found, the contract may be amended to protect the nest site until the nest is determined to be inactive. The value of the trees in this excluded area will be refunded or credited to the Purchaser. The nest will be buffered with a five-chain radius (eight acre) protection area, centered on the nest tree, in which there will be no cutting or new roads constructed. Avoid human disturbance, including loading and skidding, in the protection

area.

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from March 15 to July 15. Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.

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 Romaniak Road 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.



TIMBER SALE MAP

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

Sale Number	Year
52 - 015	21

Forest Management Unit Gaylord	County Charlevoix	Mapped By Matt Foster	Date 7/13/2021	Page 1	of 1
Township 33N	Range 05W	Section(s) and Subdivision(s) Sec 26:SWNW, SW1/4; Sec 27:SWNE, SE; Sec 34:N1/2NE	Cruised By Matt Foster, Zach Crew	Scale 1:15,840	

Cover Type

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

Density

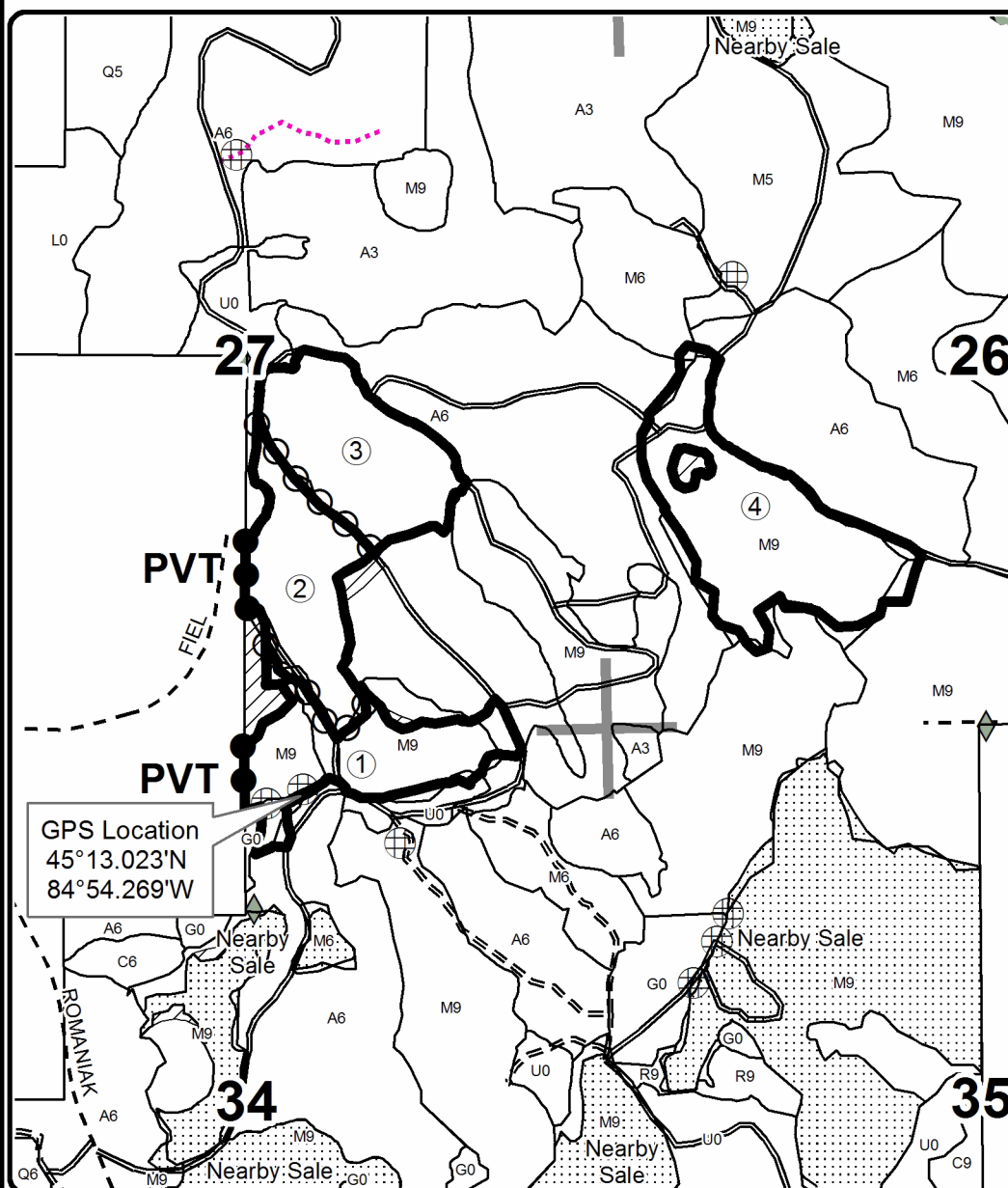
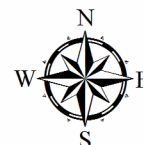
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

PU Acres

1	24.4
2	23.4
3	27.8
4	40.1

Hawkeye Mix

Compartment 39
115.7 Acres



Legend

- Sale Boundary (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Retention Area (Red)
- Stand Boundaries
- Recreational Trail
- Field Grade Corners
- Secondary Forest Road
- Forest Access Route
- Gravel Road
- Temporary Management Access
- Nearby Timber Sales
- Section Corners
- Berms

Avenza Map QR Code



0 0.125 0.25 0.5 0.75 1 Miles