



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7188**

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on February 21, 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:

Custard Pie Mix (52-117-22) / T37N, R06W, SEC. 23, E1/2SW, W1/2SE.

T37N, R06W, SEC. 26, N1/2NE.

Emmet County, Advertised Price \$41,893.15, 38.7 Acres, Aspen, Hardwood.

SALE NOTE: Mixed aspen/hardwood final harvest. No seasonal restrictions.

TIMBER SALE INFORMATION

Custard Pie Mix (52-117-22)

T37N, R06W, SEC. 23; T37N, R06W, SEC. 26.

Emmet County (Advertised Price \$41,893.15)

SALE NOTE: Mixed aspen/hardwood final harvest. No seasonal 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		
B. T. Aspen	33.4 MBF	\$ 55.00 / MBF
Paper Birch	5.2 MBF	\$ 39.00 / MBF
Quaking Aspen	57.1 MBF	\$ 55.00 / MBF
Red Maple	37.6 MBF	\$ 88.00 / MBF
Sugar Maple	79.6 MBF	\$ 301.00 / MBF
Pulpwood		
Mixed Aspen	232 Cords	\$ 19.95 / Cord
Mixed Hardwood	291 Cords	\$ 16.55 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 27.99 percent. There are an estimated 1,014 cords on this timber sale, plus or minus 284 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 \$2,094.66 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	47.7%
02	52.3%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2026.

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
80,096	1,014	27.99%	730	1,298

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
22	19,413	246	16.75%	205	287
23	7,105	90	96.84%	3	177
24	53,577	678	41.58%	396	960
TOTAL:	80,096	1,014		604	1,424

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
22	6.3	2	6.3
23	4.7	2	4.7
24	27.7	1	27.7
TOTAL:	38.7		38.7

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	33.4	MBF	27.7	\$19,981.85
	Paper Birch		5.2	MBF		
	Quaking Aspen		44.0	MBF		
	Red Maple		13.5	MBF		
	Sugar Maple		23.5	MBF		
	Mixed Aspen		203	Cords		
	B. T. Aspen		106	Cords		
	Quaking Aspen		97	Cords		
	Mixed Hardwood		194	Cords		
	Beech		30	Cords		
	Paper Birch		17	Cords		
	Red Maple		89	Cords		
	Sugar Maple		58	Cords		
2	Quaking Aspen	Sawtimber	13.1	MBF	11.0	\$21,911.30
	Red Maple		24.1	MBF		
	Sugar Maple		56.1	MBF		
	Mixed Aspen		29	Cords		
	Quaking Aspen		29	Cords		
	Mixed Hardwood		97	Cords		
	Red Maple		19	Cords		
	Sugar Maple		78	Cords		
	TOTAL:			212.9		
TOTAL:			523	Cords		

Sale Specific Conditions & Requirements

Sale Name: Custard Pie Mix

Sale Number: 52-117-22 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 and/or red paint. Exterior sale boundary lines adjacent to private property are marked with blue paint. Exterior sale boundary lines adjacent to state-owned land are marked with red paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) #'s 1 and 2, cut all trees that are two (2) inches or more at DBH except incidental oak, hemlock, and white pine. Also, do not cut any paper birch marked with green paint. Any trees marked with a band of pink paint are to be felled and left on the ground intact to serve as grouse drumming logs.

2.2 - Utilization

2.2.8 - Utilization and removal (5/14)

All products meeting standards set forth in General Condition and Requirement 2.2 - Utilization must be removed from the sale area. Retain on site between 1/6 and 1/3 of the slash from harvested trees (tree tops and limbs less than four inches in diameter). This is because biomass retention guidelines.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) #'s 1 and 2 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. No harvest activities may begin until the signed contract amendment is signed and returned by the producer. There will be only one division per Payment Unit.

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, chipped, utilized or otherwise removed from 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. be chipped, utilized or otherwise removed from the sale. 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. In general, this will require

constructing a four (4') foot high berm of stumps and logs covered with earth. 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 between the Purchaser and sale administrator is required prior to beginning any operations to determine landing and road locations, and to discuss the timber sale contract specs.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.1 - Slash within sale area (9/16)

No trees are to be felled outside the sale area and all slash is to be kept at least 10 feet back from the blue and/or red paint line. If sale boundary lines are along a public road or highway, then slash must be removed 50' from these lines per General Condition & Requirement 5.2.1.

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.

5.2.4 - Dead and Down Creation

5.2.4.4 - Dead and down creation, grouse (6/18)

To encourage grouse and other wildlife, in Payment Unit(s) 1 and 2, fell and leave intact on the ground, any tree marked with a band of pink paint.

5.2.29 - Shrub protection (1/20)

Do not cut or damage hawthorn, witch-hazel, dogwood or junberry. 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.

5.4 - 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 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 Van and Kushak 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.



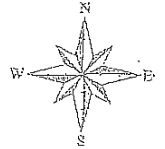
TIMBER SALE MAP

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

Forest Management Unit GAYLORD-NORTH		County EMMET	Mapped By D. STACKS	Sale Number 52-117-22	Year 2022																																										
Township T37N	Range R06W	Section(s) and Subdivision(s) 23 E 1/2 SW, W 1/2 SE; 26 N 1/2 NE	Cruised By D. STACKS	Date 09/12/2022	Page of 1 1																																										
Scale 1:15,840																																															
Cover Type			Density																																												
<table border="0"><tr><td>A = Aspen</td><td>J = Jack Pine</td><td>O = Oak</td><td>U = Upland Brush</td></tr><tr><td>B = Paper Birch</td><td>K = Rock</td><td>P = Lowland Poplar</td><td>UM = Upland Mix Forest</td></tr><tr><td>C = Cedar</td><td>L = Lowland Brush</td><td>Q = Mixed Swamp Conifer</td><td>V = Bog or Marsh</td></tr><tr><td>D = Treed Bog</td><td>LM = Lowland Mix Forest</td><td>R = Red Pine</td><td>W = White Pine</td></tr><tr><td>E = Swamp Hardwoods</td><td>M = Maple, Beech, Birch</td><td>S = Black Spruce</td><td>X = Non Stocked</td></tr><tr><td>F = Spruce/Fir</td><td>MC = Mixed Conifer</td><td>T = Tamarack</td><td>Y = Sand</td></tr><tr><td>G = Grass</td><td>MD = Mixed Deciduous</td><td></td><td>Z = Water</td></tr><tr><td>H = Hemlock</td><td>N = Marsh</td><td></td><td></td></tr></table>			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			<table border="0"><tr><td>0 = Non Stocked</td><td>5 = Pole Timber Medium</td></tr><tr><td>1 = Seedling Sapling Poor</td><td>6 = Pole Timber Well</td></tr><tr><td>2 = Seedling Sapling Medium</td><td>7 = Saw Timber Poor</td></tr><tr><td>3 = Seedling Sapling Well</td><td>8 = Saw Timber Medium</td></tr><tr><td>4 = Pole Timber Poor</td><td>9 = Saw Timber Well</td></tr></table>			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
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COMPARTMENT 105

CUSTARD PIE MIX



P.U. ACRES

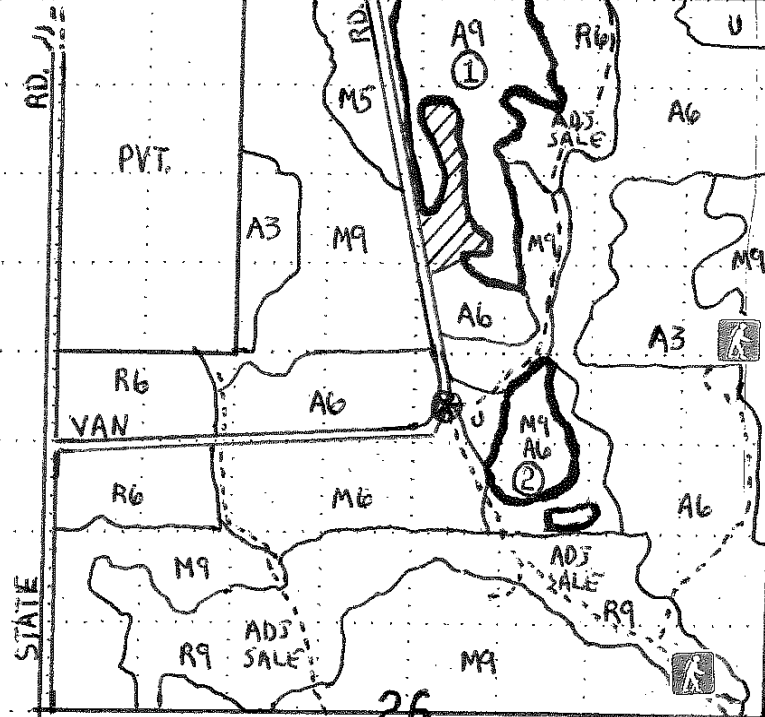
38.7 ACRES

1 - 27.7

EMMET COUNTY

2 - 11.0

38.7



SALE BOUNDARY:

PUBLIC (RED) - ———

PRIVATE (BLUE) - ———

PAYMENT UNIT:

(YELLOW) - 00000

P.U. NUMBER - ①

COUNTY ROAD - ———

SEASONAL C. R. - ———

FOREST TRAIL ROAD - ———

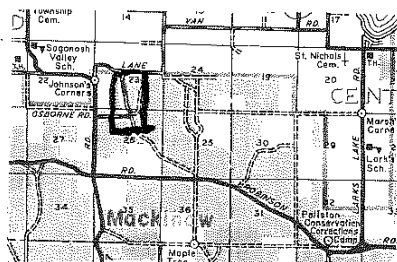
SNOWMOBILE TRAIL - ———

RETENTION AREA - ———

HIKING TRAIL - ———

① - 45.578579

-85.005743



0.5 0.25 0 Miles