



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #7051

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

Tower Rd. Red Pine (52-114-20) / T36N, R05W, SEC. 1, E1/2SW,SWSE.

T36N, R05W, SEC. 12, N1/2NE.

T36N, R05W, SEC. 13, SWSW.

Emmet County, Advertised Price \$151,724.95, 78.1 Acres, Red Pine.

SALE NOTE: - See sale spec 5.2.3.14 for Heterobasidion root disease (HRD) cutting restrictions.

- See sale spec 5.2.41 for snowmobile trail date restrictions.

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

Tower Rd. Red Pine (52-114-20)

T36N, R05W, SEC. 1; T36N, R05W, SEC. 12; T36N, R05W, SEC. 13.
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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 T-Sale computer program and our traditional volume equations. 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		
Red Pine	1,344.2 MBF	\$ 86.00 / MBF
Pulpwood		
Red Pine	975 Cords	\$ 37.05 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 15.86 percent. There are an estimated 3,664 cords on this timber sale, plus or minus 581 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 \$7,586.25 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	27.5%
02	12.9%
03	14.5%
04	15.7%
05	29.4%
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

SALE VOLUMES

<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>
289,418	3,664	15.86%	3,082	4,245

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
8	204,136	2,584	12.65%	2,257	2,911
39	85,288	1,080	15.02%	917	1,242
TOTAL:	289,424	3,664		3,175	4,153

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	60.3	1	23.5
		2	11.0
		3	12.4
		4	13.4
39	17.8	5	17.8
TOTAL:	78.1		78.1

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Sawtimber	367.0	MBF	23.5	\$41,676.65
	Red Pine	Pulpwood	273	Cords		
2	Red Pine	Sawtimber	171.8	MBF	11.0	\$19,517.20
	Red Pine	Pulpwood	128	Cords		
3	Red Pine	Sawtimber	193.6	MBF	12.4	\$21,984.80
	Red Pine	Pulpwood	144	Cords		
4	Red Pine	Sawtimber	209.2	MBF	13.4	\$23,771.00
	Red Pine	Pulpwood	156	Cords		
5	Red Pine	Sawtimber	402.6	MBF	17.8	\$44,775.30
	Red Pine	Pulpwood	274	Cords		
TOTAL:			1,344.2	MBF		
TOTAL:			975	Cords		

Sale Specific Conditions & Requirements

Sale Name: Tower Rd. Red Pine

Sale Number: 52-114-20 Seq#: 3

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 adjacent to private property are marked with blue paint. Exterior sale boundary lines adjacent to state-owned property are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. Timber retention areas are marked with red paint and shown on the map; 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 located within the strips of red pine sawtimber (approximately 12"+DBH), except oak and hemlock. Do not operate harvest equipment or cut any trees located in the strips of red pine poletimber (approximately 2"-8"DBH). Within Payment Unit 5, cut all trees two (2) inches or more at DBH, except oak and hemlock.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 6 inches for all trees.

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 forest certification biomass retention requirements.

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. The contract modification must be completed in writing, with signatures, before harvest activities can begin. 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 Area.

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. 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 discuss contract specs and to determine landing and road locations.

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 red and blue 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.

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1-5, unless changed by written agreement, skidding and hauling are not permitted on the designated snowmobile trail from December 1 to April 1 except and administrator designated skidding/forwarding crossings. This restriction is to prevent potential hazards between logging equipment/trucks and snowmobiles.

5.2.3.6 - Bark beetle restriction (12/08)

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4 mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

5.2.3.14 - heterobasidion root disease (HRD) (3/21)

This plantation is at risk of infection by the root rot fungus, *Heterobasidion irregulare*. To prevent the spread of this disease, cutting operations within Payment Unit(s) 1-5 are restricted to the period of January 1st through February 28th. Cutting may only occur outside this period with written permission of the Unit Manager or with the application of a preventative pesticide. Consultation with a forest health specialist will determine if cutting can occur prior to January 1 without pesticide application, dependent upon current and forecasted snow cover. Cellu-Treat and RotStop C are currently the only EPA registered products available in the United States for the control of *Heterobasidion*. Both products are a water-soluble powder that must be applied to the stump, in accordance with the product label. Dye must be added to these products to provide visible evidence of adequate coverage. Application of these pesticides requires licensing by the Michigan Department of Agriculture and Rural Development. All applicators are required to: provide to the Sale Administrator notification of application per requirements in 40 CFR 170.120; and document and provide to the Sale

Administrator annually, by December 31 and prior to closure of sale, the volume of product used and acres treated.

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.

5.2.41 - Snowmobile trail protection (9/11)

The designated snowmobile trail is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. No logging trucks or harvest equipment will be allowed on the trail from December 1 to April 1 except at designated skidding/forwarding crossings. If the trail is used during the non-winter months, it must be maintained and restored to a condition equal to or better than before the sale prior to December 1. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 10 feet of the snowmobile trail must be cut at ground level.

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 (9/09)

The Purchaser is responsible for posting and maintaining caution signs on Tower, N. Ayr, N. Conway, and E. Stutsmanville 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 (2/10)

The Purchaser is responsible for posting and maintaining caution signs on designated snowmobile trail, which is shown on the Timber Sale Map, 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.



TIMBER SALE MAP

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

Sale Number	Year
52-114-20	2020
Date	Page of
02/03/2022	1 2

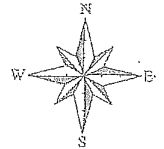
Forest Management Unit	County	Mapped By
GAYLORD - NORTH	EMMET	STACKS
Township	Range	Cruised By
T36N	R05W	STACKS
Section(s) and Subdivision(s)		
1 E 1/2 SW, SWSE; 12 N 1/2 NE; 13 SWSW		
Cover Type		Density
A = Aspen	J = Jack Pine	O = Oak
B = Paper Birch	K = Rock	P = Lowland Poplar
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer
D = Tread Bog	LM = Lowland Mix Forest	R = Red Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack
G = Grass	MD = Mixed Deciduous	U = Upland Brush
H = Hemlock	N = Marsh	UM = Upland Mix Forest
		V = Bog or Marsh
		W = White Pine
		X = Non Stocked
		Y = Sand
		Z = Water
		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

COMPARTMENT 116

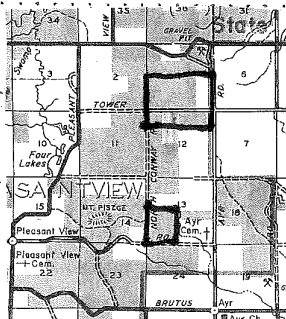
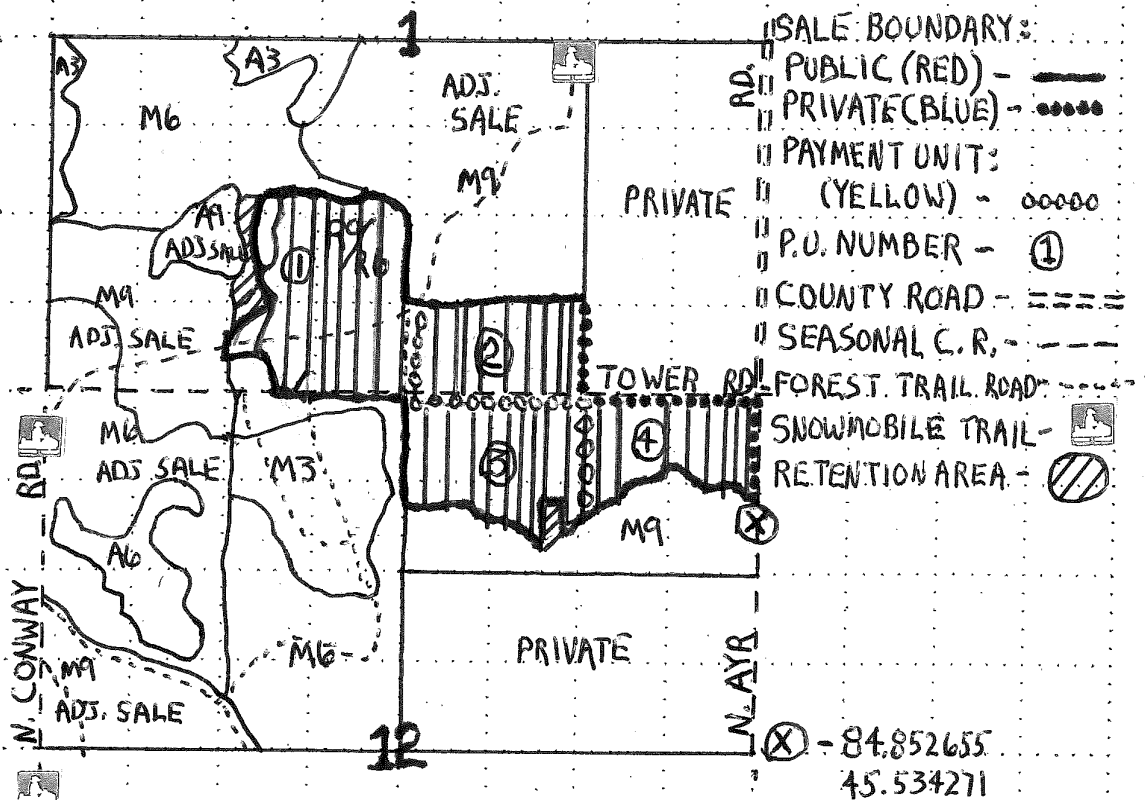
TOWER RD. RED PINE

78.1 ACRES

EMMET COUNTY



P.U.	ACRES
1	23.5
2	11.0
3	12.4
4	13.4
5	17.8
	78.1



0.5 0.25 0 Miles



TIMBER SALE MAP

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

Sale Number	Year
52-114-20	2020
Date	Page of
02/03/2022	2 2

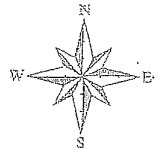
Forest Management Unit	County	Mapped By	Cruised By
GAYLORD - NORTH	EMMET	STACKS	STACKS
Township	Range	Section(s) and Subdivision(s)	
T36N	R05W	1 E 1/2 SW, SWSE; 12 N 1/2 NE; 13 SWSW	
Cover Type		Density	
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = 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		

COMPARTMENT 116

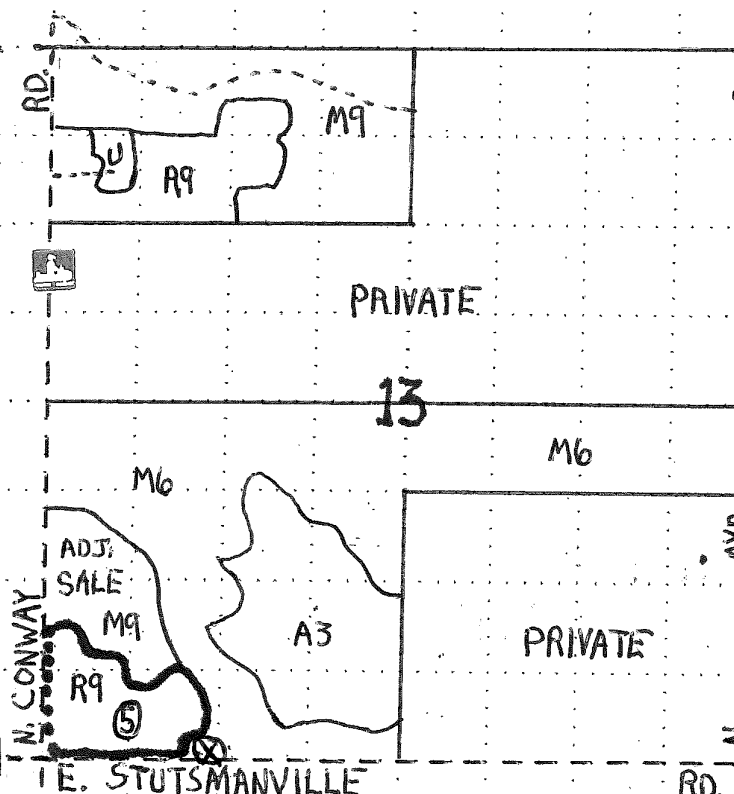
TOWER RD. RED PINE

78.1 ACRES

EMMET COUNTY

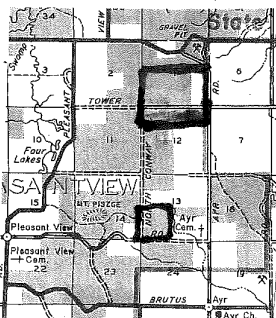


P.U.	ACRES
1	23.5
2	11.0
3	12.4
4	13.4
5	17.8
	78.1



- SALE BOUNDARY:
- PUBLIC (RED) - ———
- PRIVATE (BLUE) - ———
- PAYMENT UNIT:
- (YELLOW) - ———
- P.U. NUMBER - ①
- COUNTY ROAD - ———
- SEASONAL C.R. - ———
- FOREST TRAIL ROAD - ———
- SNOWMOBILE TRAIL - ———
- RETENTION AREA - ———

⑧ - 84,868,137
45,507,299



0.5 0.25 0 Miles