



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7053**

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on May 10, 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 58 North Mix (52-022-21) / T30N, R06W, SEC. 1 , NW,NWNE,N1/2SW,SESW.

Antrim County, Advertised Price \$52,466.20, 102.9 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.

- See sale spec 5.2.3.3 for information on bark slip restrictions.

Extensive road work is required on this sale. The advertised price has been reduced by the estimated cost of this road work to off-set the additional expense. Please note extraordinary road costs and road work needed to access sale.

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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
B. T. Aspen	56.7 MBF	\$ 29.00 / MBF
Basswood	244.7 MBF	\$ 30.00 / MBF
Beech	20.4 MBF	\$ 30.00 / MBF
Black Cherry	1.5 MBF	\$ 55.00 / MBF
Red Maple	93.8 MBF	\$ 49.00 / MBF
Sugar Maple	113.9 MBF	\$ 238.00 / MBF
Pulpwood		
Basswood	480 Cords	\$ 5.70 / Cord
Mixed Aspen	40 Cords	\$ 11.25 / Cord
Mixed Hardwood	752 Cords	\$ 10.50 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 5.12 percent. There are an estimated 2,515 cords on this timber sale, plus or minus 129 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 \$2,623.31 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	48.7%
02	26.1%
03	25.2%

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
198,659	2,515	5.12%	2,386	2,643

## 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
2	74,013	937	8.32%	859	1,015
6	70,793	896	7.19%	832	961
11	53,853	682	11.71%	602	762
<b>TOTAL:</b>	<b>198,659</b>	<b>2,515</b>		<b>2,292</b>	<b>2,737</b>

## 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
2	41.7	1	41.7
6	38.1	2	38.1
11	23.1	3	23.1
<b>TOTAL:</b>	<b>102.9</b>		<b>102.9</b>

**DESCRIPTION OF TIMBER BY PU (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE				
1	B. T. Aspen	Sawtimber	31.9	MBF	41.7	\$25,579.60				
	Basswood		95.7	MBF						
	Beech		4.2	MBF						
	Red Maple		4.0	MBF						
	Sugar Maple		73.9	MBF						
	Basswood		189	Cords						
	Mixed Aspen		18	Cords						
	B. T. Aspen		10	Cords						
	Quaking Aspen		8	Cords						
	Mixed Hardwood		247	Cords						
	American Elm		3	Cords						
	Beech		7	Cords						
	Ironwood		13	Cords						
	Red Maple		1	Cords						
	Sugar Maple		219	Cords						
	White Ash		4	Cords						
2	Basswood	Sawtimber	134.7	MBF	38.1	\$13,678.90				
	Beech		9.1	MBF						
	Black Cherry		1.5	MBF						
	Red Maple		29.1	MBF						
	Sugar Maple		18.7	MBF						
	Basswood		277	Cords						
	Mixed Hardwood		174	Cords						
	Beech		22	Cords						
	Black Cherry		1	Cords						
	Ironwood		15	Cords						
	Red Maple		30	Cords						
	Sugar Maple		106	Cords						
	3		B. T. Aspen	Sawtimber			24.8	MBF	23.1	\$13,207.70
Basswood		14.3	MBF							
Beech		7.1	MBF							
Red Maple		60.7	MBF							
Sugar Maple		21.3	MBF							
Basswood		14	Cords							
Mixed Aspen		22	Cords							
B. T. Aspen		22	Cords							
Mixed Hardwood		331	Cords							
Beech		91	Cords							
Black Cherry		7	Cords							
Ironwood		9	Cords							
Red Maple		122	Cords							
Sugar Maple		102	Cords							
TOTAL:			531.0		MBF					
TOTAL:			1,272		Cords					

## **Sale Specific Conditions & Requirements**

**Sale Name: C 58 North Mix**

**Sale Number: 52-022-21 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 red and yellow 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 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 and 2, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. Within Payment Unit 1, regen gaps are marked with timber teal paint. All trees within these gaps are to be cut if taller than 6 feet in height.

##### **2.1.7 - Leave tree marked unit(s) (6/14)**

Within Payment Unit(s) 3, all trees, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except elm, yellow birch, conifers, and trees marked with green paint above and below stump height.

#### **2.2 - Utilization**

##### **2.2.4 - Skidding length (2/14)**

Skidding of unlimbed tops or lengths over 17 feet is not permissible in Payment Unit 3 unless approved by the Unit Manager or his/her representative.

##### **2.2.6 - Roundwood operation required (3/21)**

The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Unit(s) 1 and 2. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length. Trees must be harvested with in-woods processor (feller bunching harvester will not be allowed) to retain existing understory.

##### **2.2.10 - No chipping tops and limbs (8/16)**

Within Payment Unit(s) 1-3, chipping of limbs or tops is not permitted. Limbs and the remaining top must be left on site and scattered.

### **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 undesigned 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 33% 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 undesigned 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, or at a rate of \$50 per sawtimber tree and \$5 per pole sized tree, whichever is greater.

## **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. 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.

#### **4.1.8 - Road work (1) (8/07)**

The following road work is required (please see attached map): To allow for hauling, existing water bars will need to be flattened to allow for truck traffic. Gravel/Bark/Wood chips may be needed in some areas to provide a base for hauling. If no hauling will occur for longer than 30 days, temporary water bars and catch basins may be required by the DNR. Once hauling is complete water bars located on the map need to be restored to a non-erodible condition. Catch basins will need to be dug out. Any top soil that is mounded adjacent to the road will need to be brought back into the road base and graded. Areas indicated on the map will need to be seeded and have straw laid with a mix approved by the DNR (approximately 800 feet). Other activities may be required, please consult with the Administering forester for additional details.

### **4.2 - Maintenance**

#### **4.2.3 - Road maintenance (8/13)**

The following road maintenance is required: within 60 days of completion of hauling, the road must be maintained and graded. This includes cleaning of drainage areas, grading, crowning, and filling with gravel, if necessary. Damages will be assessed if grading/repair does not occur. Top soil that is piled adjacent to the road must be pulled back into the road and graded. The road will also need to be seeded with approved mix.

#### **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**

#### **4.4.3 - Access gate (12/08)**

The access gate must be locked at the completion of each day unless otherwise 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 10 days in advance to schedule the conference. The main purpose of this meeting is to allow for an in-person meeting to occur between the Purchaser, sale administrator, local staff, and any contractors to go over necessary road work that is to occur before and after the harvest.

#### **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 may exceed 24 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.

#### **5.2.4 - 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) 3, leave one, 12" diameter or larger log-length (8 foot minimum) piece on the ground for every 2 acres. This can be an unmerchantable piece or a full tree. Each log must be clearly identified.

#### **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.

#### **5.2.40 - Pathway protection (10/10)**

The Jordan Valley Pathway is shown on the Timber Sale Map. Do not cut trees or damage posts with pathway markers. Do not run equipment on the pathway, it is located outside of sale boundary. Sign trail warning of logging activity at appropriate locations.

#### **5.2.41 - Snowmobile trail protection (9/11)**

The snowmobile trail is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. The road maintenance/restoration must be done prior to December 1. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1. If the trail road is to be used for hauling

during the snowmobile season, then a snow-covered base must be left on the trail. The snowmobile trail may only be crossed at right angles. 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 20 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 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 Jordan River 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.

##### 6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the snowmobile trail prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail 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 - 022	21

Forest Management Unit Gaylord	County Antrim	Mapped By Crew	Date 09/13/2021	Page 1	of 1
Township 30N	Range 06W	Section(s) and Subdivision(s) 1 - NW, NW/NE, N1/2SW, SE/SW	Cruised By UMLMWS/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

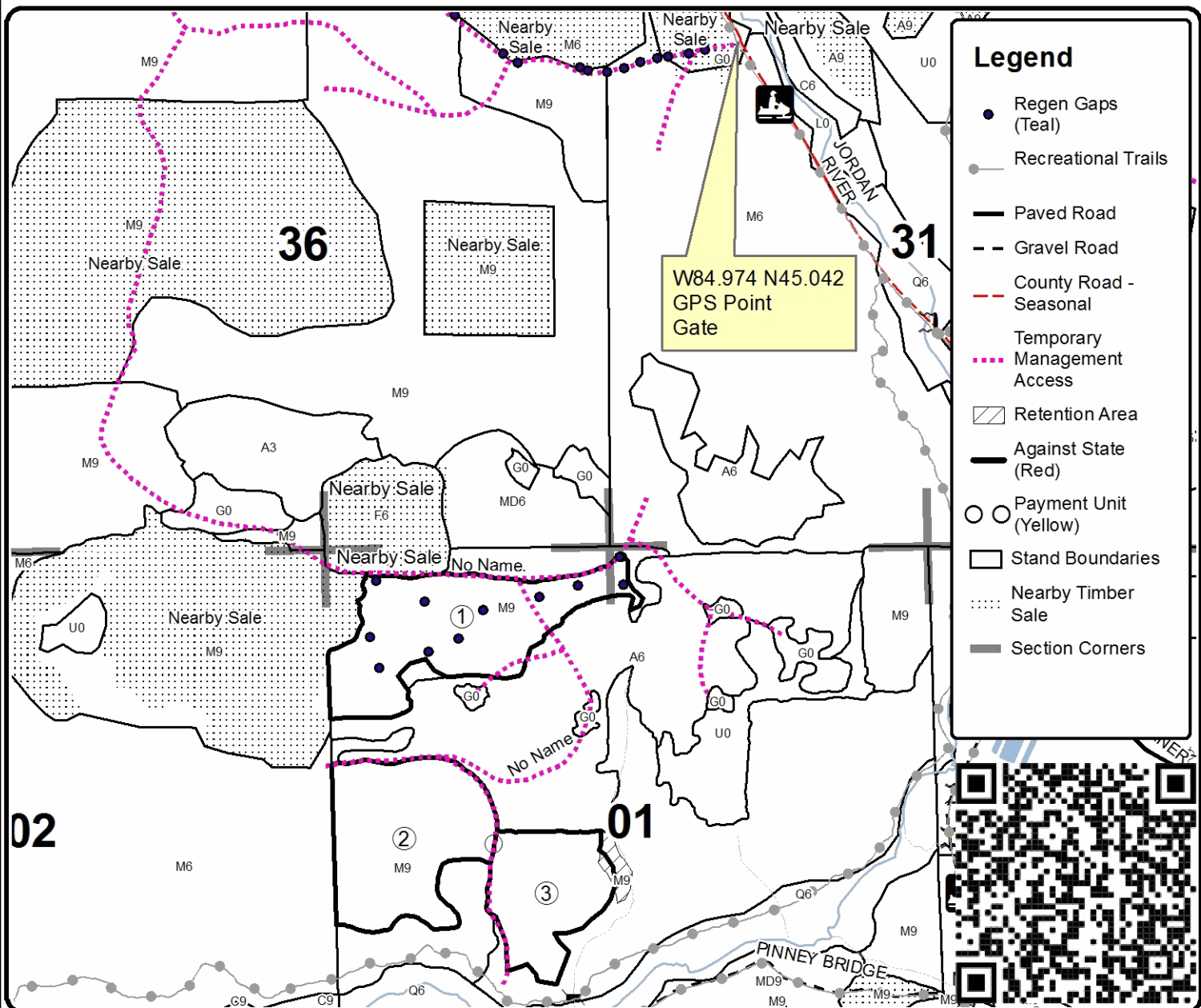
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

PU	Acres	PU	Acres
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1	41.7
2	38.1
3	23.1

## C 58 North Mix

Compartment 058  
102.9 Acres



**TIMBER SALE MAP**

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

Sale Number	Year
52 - 022	21

Forest Management Unit Gaylord	County Antrim	Mapped By Crew	Date 11/22/2021	Page 2	of 2
Township 30N	Range 06W	Section(s) and Subdivision(s) 1 - NW, NW/NE, N1/2SW, SE/SW	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		
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PU	Acres	PU	Acres
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1	41.7
2	38.1
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**C 58 North Mix**  
Compartment 058  
102.8 Acres