



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6970

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on December 14, 2021.**

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:

Sellers Market Mix (52-025-21) / T29N, R05W, SEC. 18, NWNW.

T29N, R05W, SEC. 7, SWSW.

T29N, R06W, SEC. 13, NWNE.

Antrim County, Advertised Price \$85,838.70, 68.1 Acres, Hardwood, Red Pine.

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

This is a one year contract with no extensions being granted.

TIMBER SALE INFORMATION

Sellers Market Mix (52-025-21)

T29N, R05W, SEC. 18; T29N, R05W, SEC. 7; T29N, R06W, SEC. 13.
Antrim County (Advertised Price \$85,838.70)

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

This is a one year contract with no extensions being granted.

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 | 28.2 MBF | \$ 49.00 / MBF |
| Red Pine | 384.8 MBF | \$ 78.00 / MBF |
| Sugar Maple | 70.6 MBF | \$ 361.00 / MBF |
| Pulpwood | | |
| Mixed Hardwood | 219 Cords | \$ 16.45 / Cord |
| Quaking Aspen | 235 Cords | \$ 17.05 / Cord |
| Red Pine | 626 Cords | \$ 34.10 / Cord |

* The total volume is statistically estimated within plus (+) or minus (-) 6.37 percent. There are an estimated 2,167 cords on this timber sale, plus or minus 138 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 \$4,291.94 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 | 30.7% |
| 02 | 46.3% |
| 03 | 23.0% |
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2022.

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 |
| 171,171 | 2,167 | 6.37% | 2,029 | 2,305 |

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 |
| 19 | 76,508 | 968 | 8.41% | 887 | 1,050 |
| 20 | 18,309 | 232 | 17.66% | 191 | 273 |
| 53 | 24,411 | 309 | 15.86% | 260 | 358 |
| 54 | 42,543 | 539 | 15.29% | 456 | 621 |
| TOTAL: | 161,771 | 2,048 | | 1,794 | 2,301 |

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 |
|---------------|-------------|----|-------------|
| 19 | 17.2 | 2 | 17.2 |
| 20 | 21.6 | 3 | 21.6 |
| 53 | 20.6 | 1 | 20.6 |
| 54 | 8.7 | 1 | 8.7 |
| TOTAL: | 68.1 | | 68.1 |

DESCRIPTION OF TIMBER BY PU (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|--------|----------------|-----------|----------|-------|-------|-----------------|
| 1 | Basswood | Sawtimber | 6.2 | MBF | 29.3 | \$26,352.40 |
| | Red Pine | | 138.3 | MBF | | |
| | Sugar Maple | | 4.4 | MBF | | |
| | Mixed Hardwood | Pulpwood | 59 | Cords | | |
| | Basswood | | 2 | Cords | | |
| | Black Cherry | | 22 | Cords | | |
| | Ironwood | | 2 | Cords | | |
| | Sugar Maple | | 33 | Cords | | |
| | Quaking Aspen | | 235 | Cords | | |
| | Quaking Aspen | Sawtimber | 7.4 | MBF | | |
| | Quaking Aspen | Pulpwood | 220 | Cords | | |
| | Red Pine | | 255 | Cords | | |
| 2 | Basswood | Sawtimber | 8.0 | MBF | 17.2 | \$39,767.90 |
| | Red Pine | | 246.5 | MBF | | |
| | Sugar Maple | | 18.4 | MBF | | |
| | Mixed Hardwood | Pulpwood | 52 | Cords | | |
| | Basswood | | 6 | Cords | | |
| | Sugar Maple | | 46 | Cords | | |
| | Red Pine | | 371 | Cords | | |
| | | | | | | |
| 3 | Basswood | Sawtimber | 14.0 | MBF | 21.6 | \$19,718.40 |
| | Sugar Maple | | 47.8 | MBF | | |
| | Mixed Hardwood | Pulpwood | 108 | Cords | | |
| | Basswood | | 21 | Cords | | |
| | Sugar Maple | | 87 | Cords | | |
| TOTAL: | | | 483.6 | MBF | | |
| TOTAL: | | | 1,080 | Cords | | |

Sale Specific Conditions & Requirements

Sale Name: Sellers Market Mix

Sale Number: 52-025-21 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, blue, and yellow paint. Exterior sale boundary lines against state are marked with red paint. Exterior sale boundary lines against private property are marked with blue 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

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

Within Payment Unit(s) 1 and 2, cut all trees that are two (2) inches or more at DBH.

2.1.3 - Cut tree marked unit(s) (12/08)

Within Payment Unit(s) 3, trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

3 - Payments

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. In Payment Unit 3, 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 \$150.00 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.

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)

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.

4.1.12 - No new roads (1/12)

No new roads will be permitted in any Payment Unit. All operations are limited to existing roads. Skid trails only will be allowed.

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 on site between the Purchaser and sale administrator is required prior to beginning any operations. 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 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) 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.

5.2.3.6 - 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.

5.2.32 - 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.

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 both Scholl Road & Cinder Hill 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.

7 - Other Conditions

7.2 - Extensions

7.2.2 - No extensions (3/09)

There will be no extensions granted on this contract.

**TIMBER SALE MAP**

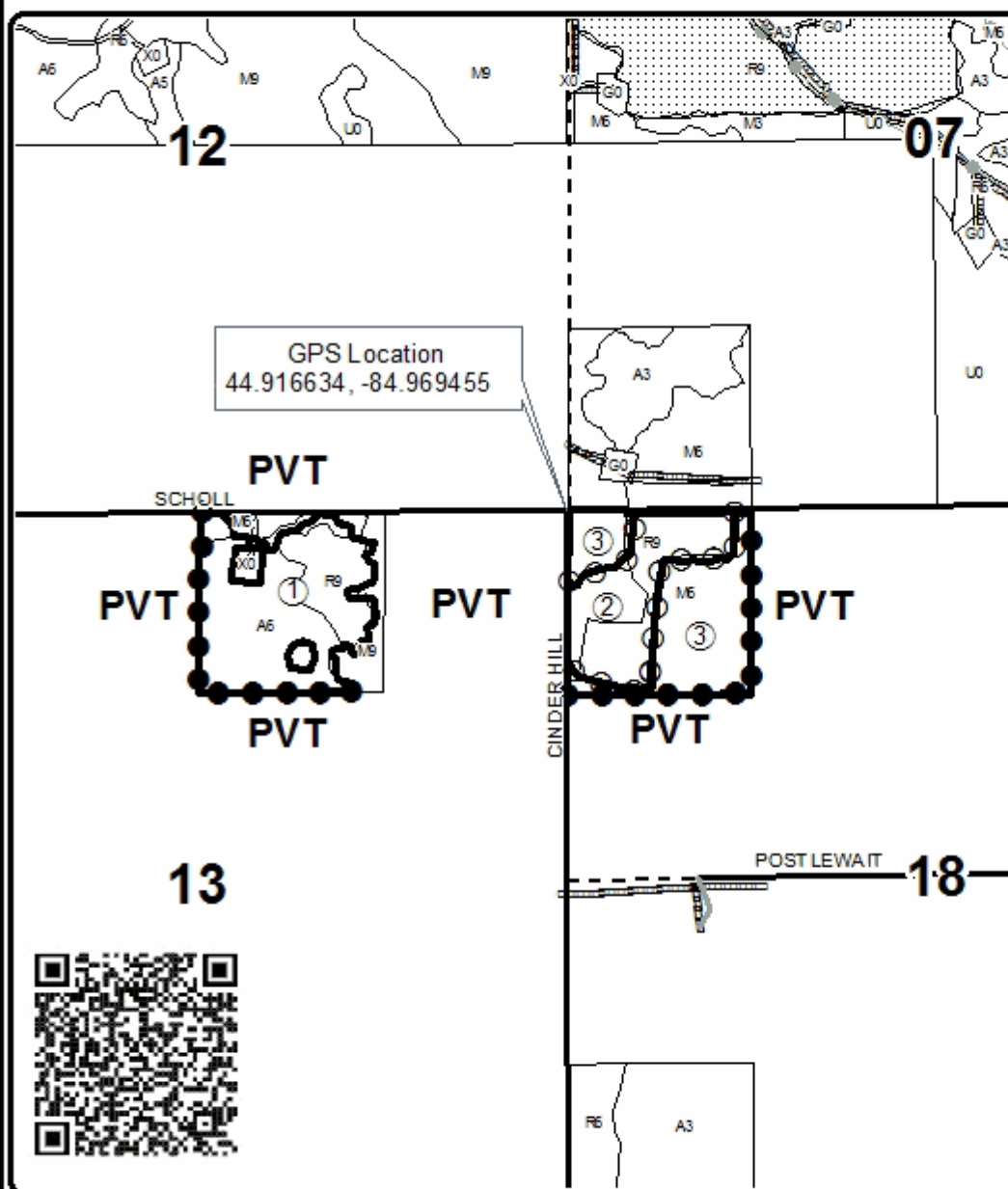
This information provided by authority of Part 525, 1994 PA 451, as amended.

| Sale Number | Year |
|-------------|------|
| 52-025 | 21 |

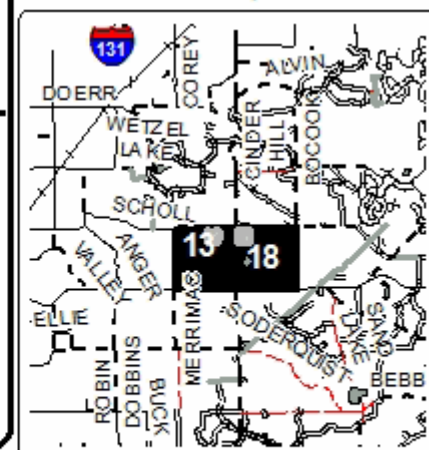
| | | | | | |
|-----------------------------------|------------------|--|--------------------|-----------|---------|
| Forest Management Unit Gaylord | County Antrim | Mapped By Doug Tyran | Date 09/24/2021 | Page 1 | of 1 |
| Township 29N | Range 05W/06W | Section(s) and Subdivision(s) 7: SWSW, 18: NWNW, 13: NWNE | Scale 1:15,840 | | |

| Cover Type | | | | Density | |
|---------------------|----------------------|-------------------------|-------------------|-----------------------------|------------------------|
| A = Aspen | H = Hemlock | N = Marsh | U = Upland Brush | 0 = Non Stocked | 5 = Pole Timber Medium |
| D = 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 Hardwoods | M = Mpl, Doh, Doh | 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 | | |
| G = Grass | MD = Mixed Deciduous | T = Tamarack | | | |

| PU | Acres |
|----|-------|
| 1 | 29.3 |
| 2 | 17.2 |
| 3 | 21.6 |

Sellers Market Mix
Compartment 060 & 061
68.1 Acres**Legend**

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Stand Boundaries
- Lakes and Rivers
- Primary Forest Road
- Secondary Forest Road
- Forest Access Route
- Paved Road
- Gravel Road
- County Road - Seasonal
- Private
- Payment Unit Label

Locator Map
1:200,000

0 0.125 0.25 0.5 0.75 1 Miles