



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6928

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

LOCATION: **PIGEON RIVER COUNTRY MGMT UNIT, PO BOX 456, 9966 TWIN LAKES ROAD, VANDERBILT, MI 49795.**

CONTACT NAME: Greg Rekowski

PHONE NUMBER: (989) 983-4101

PROSPECTUS NOTE: 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, PIGEON RIVER COUNTRY MANAGEMENT UNIT, for certain timber on the following described lands:

Mud Lake Maple (53-002-21) / T32N, R02W, SEC. 1 , W1/2SW.

T32N, R02W, SEC. 2 , E1/2SE.

Otsego County, Advertised Price \$10,140.45, 19.8 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

Mud Lake Maple (53-002-21)

T32N, R02W, SEC. 1; T32N, R02W, SEC. 2.

Otsego County (Advertised Price \$10,140.45)

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 | | |
| B. T. Aspen | 9.5 MBF | \$ 50.00 / MBF |
| Red Maple | 36.7 MBF | \$ 46.00 / MBF |
| Red Oak | 12.1 MBF | \$ 141.00 / MBF |
| Pulpwood | | |
| Balsam Fir | 3 Cords | \$ 19.70 / Cord |
| Mixed Aspen | 268 Cords | \$ 15.50 / Cord |
| Red Maple | 132 Cords | \$ 12.55 / Cord |
| Red Oak | 7 Cords | \$ 57.35 / Cord |

* The total volume is statistically estimated within plus (+) or minus (-) 10.10 percent. There are an estimated 531 cords on this timber sale, plus or minus 54 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 \$1,014.05 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 | 61.2% |
| 02 | 38.8% |
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2024.

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 |
| 41,938 | 531 | 10.10% | 477 | 584 |

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 |
| 18 | 11,875 | 150 | 23.56% | 115 | 186 |
| 23 | 2,272 | 29 | 20.00% | 23 | 35 |
| 36 | 10,554 | 134 | 20.98% | 106 | 162 |
| 104 | 16,768 | 212 | 11.02% | 189 | 236 |
| TOTAL: | 41,469 | 525 | | 432 | 618 |

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 |
|---------------|-------------|----|-------------|
| 18 | 7.8 | 1 | 7.8 |
| 23 | 1.5 | 1 | 1.5 |
| 36 | 5.7 | 2 | 5.7 |
| 104 | 4.8 | 1 | 4.8 |
| TOTAL: | 19.8 | | 19.8 |

DESCRIPTION OF TIMBER BY PU (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|----------------------|----------------------|-------------|-----------|--------------|-------|-----------------|
| 1 | Red Maple | Sawtimber | 26.8 | MBF | 14.1 | \$6,207.85 |
| | Balsam Fir | Pulpwood | 3 | Cords | | |
| | Mixed Aspen | | 237 | Cords | | |
| | <i>B. T. Aspen</i> | | 75 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 162 | <i>Cords</i> | | |
| | Red Maple | | 99 | Cords | | |
| | 2 | B. T. Aspen | Sawtimber | 9.5 | | |
| Red Maple | | | 9.9 | MBF | | |
| Red Oak | | | 12.1 | MBF | | |
| Mixed Aspen | | Pulpwood | 31 | Cords | | |
| <i>B. T. Aspen</i> | | | 28 | <i>Cords</i> | | |
| <i>Quaking Aspen</i> | | | 3 | <i>Cords</i> | | |
| Red Maple | | | 33 | Cords | | |
| Red Oak | | | 7 | Cords | | |
| TOTAL: | | | 58.3 | MBF | | |
| TOTAL: | | | 410 | Cords | | |

Sale Specific Conditions & Requirements

Sale Name: Mud Lake Maple

Sale Number: 53-002-21 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. Yellow painted trees designating an interior Payment Unit boundary are only to be cut if they are an aspen or red maple tree and only 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) 1-2, cut all aspen, maple, jack pine, and fir trees that are two (2) inches or more at DBH. Also, in Payment Unit 2, cut all oak trees greater than twelve (12) inches at DBH, except for those marked with green paint. Do not cut any other tree species in these Payment Units except for those listed above.

2.2 - Utilization

2.2.6 - Roundwood operation required (3/21)

The skidding of whole trees or tree segments with limbs attached is prohibited. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

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 undesignated live merchantable trees which are cut or injured. No damage is acceptable to undesignated 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. In addition, extreme care should be taken to avoid damage to oak saplings and small poletimber. These saplings are abundant throughout areas of both Payment Units. Some have been marked with green paint to aid in identification.

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.

4.1.7 - Road closure (10/11)

Overgrown roads that are reopened 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. These roads must be rendered impassable to cars and trucks.

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.

5 - Operations

5.1 - Notification

5.1.3 - Well heads and natural gas pipelines (11/15)

The Purchaser is responsible for contacting the pipeline company (Enbridge) 30 days prior to operating equipment in the vicinity of well heads or natural gas pipelines. The west edge of this timber sale borders the Enbridge Line 5 Pipeline. No equipment should operate within the pipeline ROW or cross the ROW without prior permission from Enbridge. Written permission is required before harvest operations begin and must be submitted to the Unit Manager.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation, the Sale Area shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. Stumps shall be cut low to the ground. Processing sites shall not be left with a compacted layer of slash; tops from these sites shall be hauled back into the cut area and scattered.

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

5.2.3.4 - Oak wilt restriction, no exceptions (1/18)

Within Payment Unit(s) 1-2, cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

5.2.29 - Shrub protection (1/20)

Do not cut or damage hawthorn, witch-hazel, dogwood, or junberry. In addition, do not cut any black cherry over four (4) inches at DBH. These woody-shrub plants are highly beneficial to various wildlife species.

5.2.31 - Landing locations (9/13)

Recommended landing areas are marked on the Timber Sale Map with the letters "LD". Landings must be confined to these designated sites unless otherwise authorized by the Unit Manager or his/her representative.

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 25 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 Pickerel Lake 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

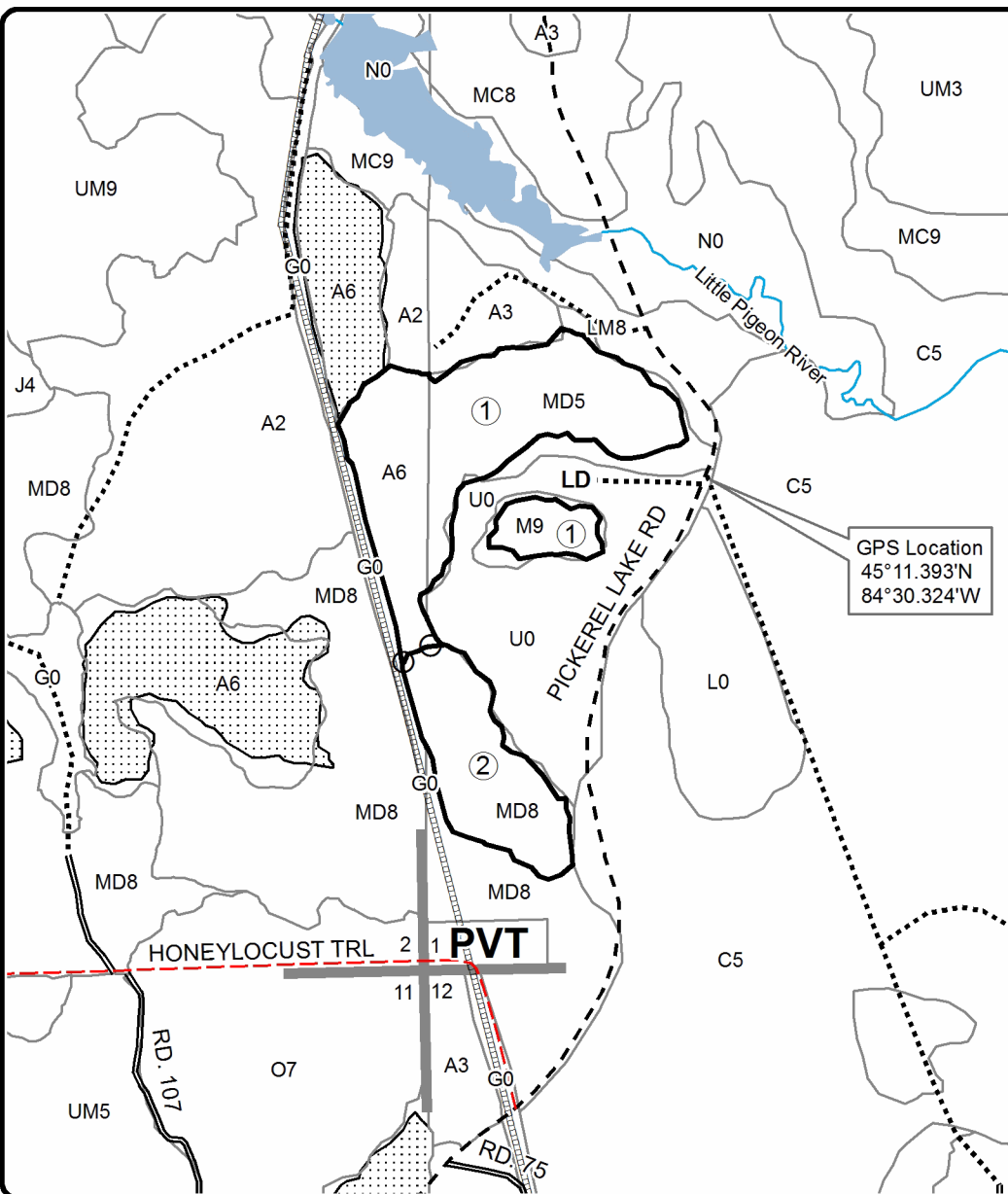
This information provided by authority of Part 525, 1994 PA 451, as amended.

| | | | | | | | |
|---|--------------|--|-----------------------|---|--------------------|-----------|---------|
| Forest Management Unit Pigeon River Country | | County Otsego | Mapped By Rekowski | | Date 08/13/2021 | Page 1 | of 1 |
| Township 32N | Range 02W | Section(s) and Subdivision(s) 1: W1/2SW 2: E1/2SE | | | Scale 1:7,920 | | |
| Cover Type | | | | Density | | | |
| A = Aspen B = Paper Birch C = Cedar D = Treed Bog E = Swamp Hdwoods F = Spruce Fir G = Grass H = Hemlock J = Jack Pine L = Lowland Brush LM = Lowland Mixed M = Mpl, Bch, Brch MC = Mixed Conifer MD = Mixed Decidious N = Marsh O = Oak P = Lowland Poplar Q = Mixed Swamp Conifer R = Red Pine S = Black Spruce T = Tamarack U = Upland Brush UM = Upland Mixed V = Bog or Marsh W = White Pine X = Non Stocked 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 | | | |

| <u>PU</u> | <u>Acres</u> |
|-----------|--------------|
| 1 | 14.1 |
| 2 | 5.7 |

Mud Lake Maple






Compartments 030 & 031
19.8 Acres



GPS Location
45°11.393'N
84°30.324'W

Legend

Sale Boundary

-  Against State (Red)
-  Payment Unit (Yellow)
-  Nearby Timber Sales
-  Stand Boundaries
-  Secondary Forest Road
-  Gravel Road
-  County Road - Seasonal
-  Closed Roads
-  Pipeline
-  River

Locator Map
1:200,000

