



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7384**

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on April 11, 2024.

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

CONTACT NAME: Mark Monroe

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:

Blackjack Pine (53-014-23) / T31N, R01W, SEC. 6 , NWNW,SW.

T32N, R01W, SEC. 31, NWSW,S1/2SW.

T32N, R02W, SEC. 36, SESE.

Otsego County, Advertised Price \$15,402.25, 56.6 Acres, Jack Pine, White Pine.

SALE NOTE: Please note operating restrictions in spec 5.2.3.1 and grapple skidder requirements in spec 5.2.18.

TIMBER SALE INFORMATION

Blackjack Pine (53-014-23)

T31N, R01W, SEC. 6; T32N, R01W, SEC. 31; T32N, R02W, SEC. 36.

Otsego County (Advertised Price \$15,402.25)

SALE NOTE: Please note operating restrictions in spec 5.2.3.1 and grapple skidder requirements in spec 5.2.18.

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> |
|-------------------------------|-------------------------|-------------------------|
| Pulpwood | | |
| Balsam Fir | 42 Cords | \$ 26.10 / Cord |
| Jack Pine | 788 Cords | \$ 12.90 / Cord |
| Mixed Spruce | 57 Cords | \$ 19.35 / Cord |
| Paper Birch | 4 Cords | \$ 16.30 / Cord |
| Quaking Aspen | 12 Cords | \$ 23.10 / Cord |
| Red Maple | 6 Cords | \$ 15.25 / Cord |
| White Pine | 120 Cords | \$ 21.70 / Cord |

* The total volume is statistically estimated within plus (+) or minus (-) 14.33 percent. There are an estimated 1,019 cords on this timber sale, plus or minus 146 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 \$1,540.23 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 | 30.5% |
| 02 | 54.6% |
| 03 | 14.9% |

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2027.

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.

| <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> |
| 80,528 | 1,019 | 14.33% | 873 | 1,165 |

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 |
| 15 | 17,862 | 226 | 35.69% | 145 | 307 |
| 26 | 8,318 | 105 | 97.13% | 3 | 208 |
| 34 | 54,348 | 688 | 16.10% | 577 | 799 |
| TOTAL: | 80,528 | 1,019 | | 726 | 1,313 |

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 |
|---------------|-------------|----|-------------|
| 15 | 12.1 | 2 | 12.1 |
| 26 | 4.2 | 3 | 4.2 |
| 34 | 40.3 | 1 | 20.0 |
| | | 2 | 20.3 |
| TOTAL: | 56.6 | | 56.6 |

DESCRIPTION OF TIMBER BY PU (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|----|---------------|----------|----------|-------|-------|-----------------|
| 1 | Balsam Fir | Pulpwood | 2 | Cords | 20.0 | \$4,704.50 |
| | Jack Pine | | 313 | Cords | | |
| | Quaking Aspen | | 5 | Cords | | |
| | White Pine | | 23 | Cords | | |
| | White Pine | | 0.4 | MBF | | |
| | White Pine | | 22 | Cords | | |
| 2 | Balsam Fir | Pulpwood | 2 | Cords | 32.4 | \$8,400.10 |
| | Jack Pine | | 475 | Cords | | |
| | Quaking Aspen | | 5 | Cords | | |
| | White Pine | | 97 | Cords | | |
| | White Pine | | 2.5 | MBF | | |
| | White Pine | | 92 | Cords | | |
| 3 | Balsam Fir | Pulpwood | 38 | Cords | 4.2 | \$2,297.65 |
| | Mixed Spruce | | 57 | Cords | | |
| | Black Spruce | | 1.3 | MBF | | |
| | White Spruce | | 5.1 | MBF | | |
| | Black Spruce | | 18 | Cords | | |
| | White Spruce | | 26 | Cords | | |
| | Paper Birch | | 4 | Cords | | |
| | Paper Birch | | 0.9 | MBF | | |
| | Paper Birch | | 2 | Cords | | |
| | Quaking Aspen | | 2 | Cords | | |
| | Red Maple | | 6 | Cords | | |
| | TOTAL: | | | 1,029 | | |

Sale Specific Conditions & Requirements

Sale Name: Blackjack Pine

Sale Number: 53-014-23 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, red and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. All painted boundary line trees are not Included Timber and are to be protected.

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 trees that are two (2) inches or more at DBH, except do not cut paper birch, green marked trees, any white pine greater than fifteen (15) inches at DBH, black cherry greater than five (5) inches at DBH, or red pine greater than ten (10) inches at DBH.

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

Within Payment Unit(s) 3, cut all trees that are two (2) inches or more at DBH, except do not cut cedar, hemlock, white pine, black cherry greater than five (5) inches at DBH, and trees marked with green paint above and below stump height.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

Payment Unit(s) 1 & 2 must be chip harvested to facilitate future silvicultural activities. Products may be produced as roundwood and forwarded to decking areas in final product length, but the tops must be left intact and skidded to the landing for chipping in order to minimize the amount of residual slash. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter does not apply (G. C. & R. 2.2). This is because of post-harvest planting.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 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. 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 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 10% 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 red pine and spruce saplings less than four (4) inches at DBH in all Payment Units.

3.6 - Payment Unit Cutting Schedule

3.6.8 - Operating period (5/16)

Once cutting begins, operations must continue until all Payment Units are completed.

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 (3/23)

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 contract prices or average prices, if not on the contract.

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. These roads must be rendered impassable to cars and trucks. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. These stumps must be scattered along the road system to prohibit vehicular movement. 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.

4.4 - Access

4.4.2 - Alternate route on private property (2/04)

It is the Purchaser's responsibility to obtain access across private land for any routes other than the route shown on the Timber Sale Map.

5 - Operations

5.1 - Notification

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

The Purchaser is responsible for contacting the Enbridge 30 days prior to operating equipment in the vicinity of well heads or natural gas pipelines. Contact Eric Wegner of Enbridge at Eric.Wegner@enbridge.com or at #989-667-2510. 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

5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in the maintained wildlife opening which is indicated by "G0" on the Timber Sale Map. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

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 & 2, cutting, skidding, and hauling are limited to the period of June 1 to November 1. This

restriction is in place in order to maximize the amount of ground scarification during snow-free conditions.

5.2.4 - Dead and Down Creation

5.2.4.3 - Dead and down creation, dead trees (6/07)

Except as provided for in General Condition and Requirement 5.2.2, no dead trees, standing or down, are to be cut, skidded, or processed.

5.2.4.7 - Dead and down creation: hare, grouse, deer and other species (5/15)

To improve horizontal cover habitat for snowshoe hare, grouse, deer, and other species, the Purchaser is to push over all trees marked with an orange "X". These trees should be tipped over with the root ball still attached so the base of the tree is suspended off the ground. The crown of the fallen tree should be at or near ground level after it is pushed over.

5.2.17 - Timber Mats and Interlocking Composite Mats (5/23)

The access to Payment Unit 3 will require extra protection such as that afforded by timber mats, interlocking composite mats, or another approved system. At least 60 feet of mats will be needed to cross the wetland area to reach Payment Unit 3. If available, mats may be borrowed from the DNR. A Timber Sale Contract Amendment will be used to document the Purchaser's use of the DNR's mats. Contact the Sale Administrator regarding availability and pick-up. Timber mats are available from various field offices. Composite mats are only available from the Grayling field office and the Marquette ICC. The Purchaser is responsible for picking up and hauling the mats to and from the site. The composite mats will require DNR staff onsite for installation and removal. Contact the Sale Administrator to schedule at least 30 days before desired install/removal date. All mats must be cleaned prior to drop off. This may include, but is not limited to, power washing and brushing to remove mud and debris. A charge of \$700.00 per timber mat and \$2,000.00 per composite mat will be assessed for all damaged or non-returned mats. Damage for the crane/timber mats is defined as three or more broken cants. Damage for the composite mats is defined as cracked or broken mats.

5.2.18 - Equipment requirements (1/09)

Grapple skidders are required to drag all tops to the landing for chipping in Payment Unit(s) 1 & 2. This requirement is in place in order to maximize the amount of ground scarification.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 3, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because of seasonally wet soils within the Payment Unit.

5.2.29 - Shrub protection (1/20)

Do not cut black cherry greater than five (5) inches at DBH in any Payment Unit. These woody-shrub plants are highly beneficial to various wildlife species.

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 are 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 Gornick Trail 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.

8 - Performance and Settlement

8.3 - Uncompleted or Terminated Contracts

8.3.1 - Completion of contract, chipping (1/16)

In addition to cutting, all chipping must be completed by the contract expiration date. If chipping has not been completed, an extension fee or damages may be charged per General Condition & Requirement 7.2 and 8.3.

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 07/30/2023 | Page 1 | of 1 |
| | | | Cruised By Rekowski | | | |
| Township 31N | Range 01W | Section(s) and Subdivision(s) 6: NWNW, SW1/4 T32N R01W Sec 31: NWSW, S1/2SW T32N R02W Sec 36: SESE | | 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 | | |
| G = Grass | MD = Mixed Deciduous | T = Tamarack | | | |

| PU | Acres |
|-----------|--------------|
| 1 | 20.0 |
| 2 | 32.4 |
| 3 | 4.2 |

Blackjack Pine

Compartments 042 & 044
56.6 Acres

