



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7453**

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on July 18, 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:

Eclipse Pine (53-016-24) / T32N, R01W, SEC. 17, NENW.

T32N, R01W, SEC. 8 , SENW,W1/2NE,NESW,S1/2SW,W1/2SE.

Otsego County, Advertised Price \$118,697.80, 69.7 Acres, Red Pine, White Pine.

SALE NOTE: Please note that chipping is required (spec 2.2.2), however this requirement will be waived if the ground scarification detailed in spec 99.1 can be achieved by the Purchaser.

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

Eclipse Pine (53-016-24)

T32N, R01W, SEC. 17; T32N, R01W, SEC. 8.

Otsego County (Advertised Price \$118,697.80)

SALE NOTE: Please note that chipping is required (spec 2.2.2), however this requirement will be waived if the ground scarification detailed in spec 99.1 can be achieved by the Purchaser.

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.

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 | | |
| Red Pine | 705.5 MBF | \$ 119.00 / MBF |
| White Pine | 29.0 MBF | \$ 91.00 / MBF |
| Pulpwood | | |
| Red Maple | 7 Cords | \$ 14.10 / Cord |
| Red Pine | 604 Cords | \$ 48.15 / Cord |
| White Pine | 148 Cords | \$ 19.75 / Cord |

* The total volume is statistically estimated within plus (+) or minus (-) 29.29 percent. There are an estimated 2,477 cords on this timber sale, plus or minus 725 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 \$11,869.78 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 | 17.8% |
| 02 | 18.2% |
| 03 | 17.3% |
| 04 | 8.1% |
| 05 | 38.6% |
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2027.

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.

| VOLUME | | STATISTICAL RANGE IN CORDS | | |
|------------------|-------------|----------------------------|---------|---------|
| TOTAL CUBIC FEET | TOTAL CORDS | PERCENT ERROR | MINIMUM | MAXIMUM |
| 195,652 | 2,477 | 29.29% | 1,751 | 3,202 |

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 |
| 47 | 64,400 | 815 | 27.75% | 589 | 1,041 |
| 48 | 75,546 | 956 | 24.56% | 721 | 1,191 |
| 51 | 21,474 | 272 | 47.41% | 143 | 401 |
| 130 | 34,232 | 433 | 28.27% | 311 | 556 |
| TOTAL: | 195,652 | 2,477 | | 1,764 | 3,189 |

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 |
|---------------|-------------|----|-------------|
| 47 | 26.0 | 2 | 12.8 |
| | | 3 | 13.2 |
| 48 | 23.1 | 5 | 23.1 |
| 51 | 8.9 | 2 | 1.3 |
| | | 4 | 7.6 |
| 130 | 11.7 | 1 | 11.7 |
| TOTAL: | 69.7 | | 69.7 |

DESCRIPTION OF TIMBER BY PU (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|---------------|--------------|-----------|----------|-------|-------|-----------------|
| 1 | Red Pine | Sawtimber | 133.1 | MBF | 11.7 | \$21,144.80 |
| | White Pine | | 1.8 | MBF | | |
| | Red Pine | Pulpwood | 99 | Cords | | |
| | White Pine | | 19 | Cords | | |
| 2 | Red Pine | Sawtimber | 130.3 | MBF | 14.1 | \$21,587.25 |
| | White Pine | | 2.6 | MBF | | |
| | Red Maple | Pulpwood | 3 | Cords | | |
| | Red Pine | | 116 | Cords | | |
| | White Pine | | 11 | Cords | | |
| 3 | Red Pine | Sawtimber | 127.5 | MBF | 13.2 | \$20,567.15 |
| | White Pine | | 1.3 | MBF | | |
| | Red Maple | Pulpwood | 4 | Cords | | |
| | Red Pine | | 108 | Cords | | |
| | White Pine | | 1 | Cords | | |
| 4 | Red Pine | Sawtimber | 38.7 | MBF | 7.6 | \$9,565.05 |
| | White Pine | | 7.4 | MBF | | |
| | Red Pine | Pulpwood | 64 | Cords | | |
| | White Pine | | 61 | Cords | | |
| 5 | Red Pine | Sawtimber | 275.9 | MBF | 23.1 | \$45,833.55 |
| | White Pine | | 15.9 | MBF | | |
| | Red Pine | Pulpwood | 217 | Cords | | |
| | White Pine | | 56 | Cords | | |
| TOTAL: | | | 734.5 | MBF | | |
| TOTAL: | | | 759 | Cords | | |

Sale Specific Conditions & Requirements

Sale Name: Eclipse Pine

Sale Number: 53-016-24 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. Interior retention patches are marked with a red X; 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, cut all trees that are two (2) inches or more at DBH, except do not cut red oak.

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

Within Payment Unit(s) 2-5, cut all trees that are two (2) inches or more at DBH, except do not cut red oak or trees marked with green paint above and below stump height.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

Payment Unit(s) 1-5, must be chip harvested to maximize ground scarification. 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 follow-up silvicultural work.

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches at DBH and 4 inches for trees smaller than 10 inches at DBH. This is in order to facilitate planting operations.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 5, 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. In addition, extreme care should be taken to avoid damage to red pine seedlings and saplings under 2 inches at DBH, most of which are less than 10 feet tall. These seedlings and saplings occur in small clumps, some of which have been marked with green paint. Also, protect all white pine and jack pine saplings that have been marked with green paint.

Cutting of, or damage to the bark or branches of, undesignated live merchantable trees is not acceptable. Within the Sale Area, if more than 10% of residual leave trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged or cut. 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.

4.1.4 - 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)

Overgrown roads that are reopened must be blocked to vehicle traffic within 30 days of completion of hauling. 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. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the Sale Administrator for specific details of design and placement.

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.

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

5.2 - Conduct of Operations

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, cutting, skidding, chipping, and hauling are limited to the period of July 16 to December 15. This restriction is in place in order to maximize the amount of scarification during snow-free months. No exceptions will be granted.

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

Within Payment Unit(s) 1-5, cutting, skidding, chipping, and 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.

5.2.4 - 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.

5.2.18 - Equipment requirements (1/09)

For chipping operations, grapple skidders must be used to drag tops to the landing.

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.

5.2.40 - Pathway protection (10/10)

The Shingle Mill Pathway is a hiking trail and is shown on the Timber Sale Map. Do not cut trees or damage posts with blue pathway markers. Maintain a 20-foot-wide slash, debris, and rut free zone daily, using the pathway as the centerline. Do not run equipment down the pathway. Skidding across the trail may only occur in locations approved by the Sale Administrator.

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

5.8.3 - Red shoulder hawk or goshawk (1) (2/16)

In the event that an active red shoulder hawk or goshawk nest is found, the contract may be amended to protect the nest site until the nest is determined to be inactive. The value of the trees in this excluded area will be refunded or credited to the Purchaser. The nest will be buffered with a five-chain radius (eight acre) protection area, centered on the nest tree, in which there will be no cutting or new roads constructed. Avoid human disturbance, including loading and skidding, in the protection area.

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from March 15 to July 15. Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.

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 Ford Lake Road and Elkhorn 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.

6.2.3 - Recreational trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the Shingle Mill Pathway 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.

99 - Unique

SKIP

99.1 - Unique Sale Condition (5/19)

The chipping requirement will be waived if the Purchaser can prove that it can adequately scarify the ground in each Payment Unit. To achieve this scarification, the Sale Administrator will designate trees in each Unit that must be felled, left intact, and dragged by grapple skidders. These trees will be marked with a pink "D" and must be left onsite upon completion of the dragging. The entire area of each Unit must be scarified in order to satisfy the chipping exemption. If the Sale Administrator deems that scarification is not adequate, then the chipping requirement will be reinstated.



TIMBER SALE MAP

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

Sale Number
53-016-24

Date
04/18/2024

| | | |
|-------------------------------|--------|----------------------|
| Forest Management Unit | County | Mapped By: Rekowski |
| Pigeon River Country Mgt Unit | Otsego | Cruised By: Rekowski |

| | | |
|----------|------|----|
| Scale | Page | Of |
| 1:15,840 | 1 | 1 |

| | | |
|----------|-------|--|
| Township | Range | Section(s) and Subdivision(s) |
| 32N | 01W | Sec. 17 NENW; Sec. 8 SENW,W1/2NE,NESW,S1/2SW,W1/2SE; |

Cover Type

| | | | |
|---------------------|-------------------------|-------------------------|------------------------|
| 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 | | |

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 |
|------|-------|
| 1 | 11.7 |
| 2 | 14.1 |
| 3 | 13.2 |
| 4 | 7.6 |
| 5 | 23.1 |

Eclipse Pine

69.7 Acres



Use QR Code to open Map in App

