



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6963

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on November 4, 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:

Piney Dancer (53-014-21) / T32N, R01W, SEC. 7 , SENE.

T32N, R01W, SEC. 8 , S1/2NW,SENE,NESE,S1/2SE.

T32N, R01W, SEC. 9 , NENW.

Otsego County, Advertised Price \$29,835.20, 94.5 Acres, 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.

Access may be through other public land.

TIMBER SALE INFORMATION

Piney Dancer (53-014-21)

T32N, R01W, SEC. 7; T32N, R01W, SEC. 8; T32N, R01W, SEC. 9.
Otsego County (Advertised Price \$29,835.20)

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

Access may be through other public land.

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 | 321.2 MBF | \$ 76.00 / MBF |
| Pulpwood | | |
| Red Pine | 160 Cords | \$ 33.90 / Cord |

* The total volume is statistically estimated within plus (+) or minus (-) 6.19 percent. There are an estimated 908 cords on this timber sale, plus or minus 56 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 \$2,983.52 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 | 31.1% |
| 02 | 7.1% |
| 03 | 15.7% |
| 04 | 46.1% |
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/30/2025.

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.

| <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> |
| 71,722 | 908 | 6.19% | 852 | 964 |

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 |
| 35 | 19,553 | 248 | 9.90% | 223 | 272 |
| 63 | 9,980 | 126 | 17.29% | 104 | 148 |
| 76 | 29,366 | 372 | 9.59% | 336 | 407 |
| 263 | 4,482 | 57 | 20.03% | 45 | 68 |
| TOTAL: | 63,381 | 802 | | 709 | 896 |

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 |
|---------------|-------------|----|-------------|
| 35 | 29.4 | 1 | 29.4 |
| 63 | 22.7 | 3 | 22.7 |
| 76 | 30.4 | 4 | 30.4 |
| 263 | 12.0 | 2 | 12.0 |
| TOTAL: | 94.5 | | 94.5 |

DESCRIPTION OF TIMBER BY PU (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|--------|--------------|-----------|----------|-------|-------|-----------------|
| 1 | Red Pine | Sawtimber | 104.5 | MBF | 29.4 | \$9,264.10 |
| | Red Pine | Pulpwood | 39 | Cords | | |
| 2 | Red Pine | Sawtimber | 24.2 | MBF | 12.0 | \$2,110.40 |
| | Red Pine | Pulpwood | 8 | Cords | | |
| 3 | Red Pine | Sawtimber | 47.2 | MBF | 22.7 | \$4,672.00 |
| | Red Pine | Pulpwood | 32 | Cords | | |
| 4 | Red Pine | Sawtimber | 145.3 | MBF | 30.4 | \$13,788.70 |
| | Red Pine | Pulpwood | 81 | Cords | | |
| TOTAL: | | | 321.2 | MBF | | |
| TOTAL: | | | 160 | Cords | | |

Sale Specific Conditions & Requirements

Sale Name: Piney Dancer

Sale Number: 53-014-21 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 paint. Interior retention areas are marked with red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Except for the following:

Within Payment Unit 1: Sale boundary trees with a single slash that directly border Middle Trail Road will be treated as included timber and harvested following all internal trees being harvested. This excludes the red painted boundary trees with triple slashes that identify where the sale boundary comes off the road.

Within Payment Units 2-4: Sale boundary trees with a single slash that directly border Ford Lake Road will be treated as included timber and harvested following all internal trees being harvested. This excludes the boundary trees with triple slashes that identify where the boundary comes off the road.

2 - Timber Specifications

2.1 - Included Timber

2.1.2 - Clearcut unit(s) w/o unmerchantable trees (8/11)

Within Payment Unit(s) 1, 3, and 4, cut all red pine trees which meet minimum piece specifications in 2.2 Utilization. Do not cut any other species in Payment Units 1, 3, and 4.

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

Within Payment Unit(s) 2, all red pine trees, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except for red pine trees marked with orange paint above and below stump height. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

2.2 - Utilization

2.2.6 - Roundwood operation required (3/21)

The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Units 1-4. 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 allow) to retain existing understory.

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. Damaged to residual trees (defined as breaking of the cambium layer, broken tops, or bending of trees from their natural position) is not acceptable. 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.

In addition, extreme care should be taken to avoid damage to pine regeneration, as red pine seedlings are abundant in all Payment Units. Failure to avoid unnecessary damage to pine regeneration/seedlings will result in the Purchaser paying to the amount of \$500 per affected acre.

3.6 - Payment Unit Cutting Schedule

3.6.3 - Operating schedule (12/08)

Unless changed by written agreement, only 2 Payment Unit(s) may be operated at any one time. All contractual requirements on a Payment Unit shall be completed and accepted by the Unit Manager or his/her representative prior to the opening of an

additional Payment Unit.

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 chipped, utilized, or otherwise removed from the sale.

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.

5 - Operations

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 and tops piled upon the stump of each respective tree from which it is cut to limit damage done to existing, adjacent pine regeneration.

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

5.2.3.2 - Operating restrictions (9/11)

Within Payment Unit(s) 1-4 cutting, skidding, and hauling are not to be permitted unless there exists an average, minimum snow depth of 12" on the ground within the sale boundary area. This restriction is in place to protect existing natural red pine regeneration on site since the initial seed tree harvest in 2015.

5.2.18 - Equipment requirements (1/09)

Only rubber-tired processors and forwarders will be permitted for use within the Sale Area to limit the negative impacts on existing pine regeneration.

5.2.19 - Grapple skidders (12/08)

No grapple skidders are to be used in any Payment Unit without permission of the Unit Manager or his/her representative.

5.2.40 - Pathway protection (10/10)

The Shingle Mill Pathway is a biking, hiking, and skiing 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 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.

5.8 - 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

6.2.3 - Recreational trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Shingle Mill Pathway prior to beginning operations. The trail must be posted approximately 350 feet 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)

A primary skidding area(s) will be designated by the sale administrator for each Payment Unit. These areas will be utilized for travel between entering the Sale Area and secondary skidding throughout the Payment Unit. Secondary skidding is defined as any other skidding necessary for the forwarder to load cut roundwood. Upon the forwarder attaining a full load of cut roundwood, the shortest distance will be taken to return to the primary skidding area to exit the Sale Area. This provision is in place to reduce the negative impact on the existing red pine regeneration within the Sale Area.

**TIMBER SALE MAP**

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

| Sale Number | Year |
|-------------|------|
| 53-014 | 21 |

| | | | | | |
|--|-------------------------|---------------------------|--------------------|-----------|---------|
| Forest Management Unit Pigeon River Country | County Otsego County | Mapped By Jake Halabut | Date 09/21/2021 | Page 1 | of 1 |
| Cruised By Jake Halabut | | | | | |

| | | | |
|-----------------|--------------|---|-------------------|
| Township 32N | Range 01W | Section(s) and Subdivision(s) 07:SENE 08:S1/2NW,SENE,NESE,S1/2SE 09:NENW | Scale 1:31,680 |
|-----------------|--------------|---|-------------------|

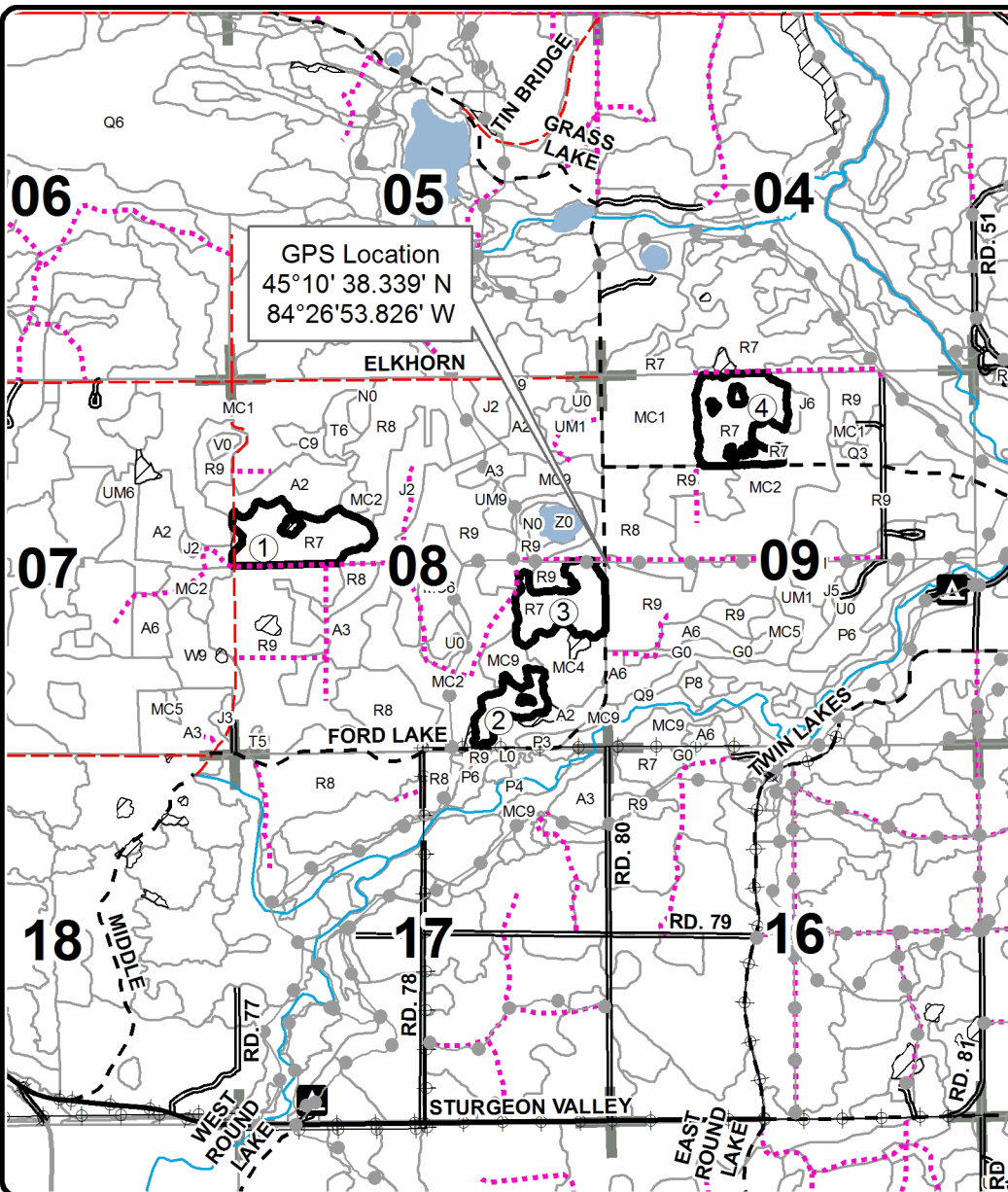
Cover Type

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

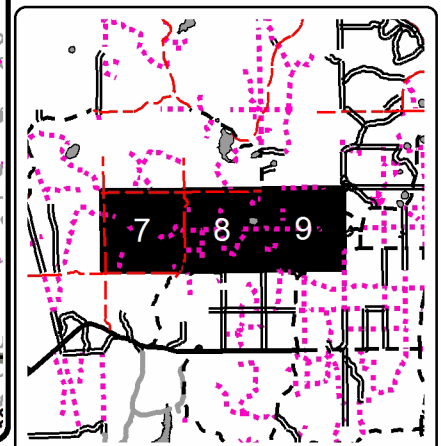
Density

| | |
|-----------------------------|------------------------|
| 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 |
|----|-------|----|-------|
| 1 | 29.4 | 4 | 30.4 |
| 2 | 12 | | |
| 3 | 22.7 | | |

Piney Dancer
Compartment 34
94.5 Acres**Legend**

- Against State (Red)
- ▨ Retention Area
- Recreational Trail
- Secondary Forest Road
- Paved Road
- - Gravel Road
- - County Road - Seasonal
- Private
- ... Closed Roads
- ⚡ Powerline
- Lakes and Rivers
- Perennial River

Locator Map
1:150,000

0 0.1250.25 0.5 0.75 1 Miles