



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7398**

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on February 28, 2024.**

LOCATION: **BALDWIN OFFICE, 2468 W 24TH STREET, BALDWIN, MI 49304.**

CONTACT NAME: David Flsher

PHONE NUMBER: (231) 745-4651

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, CADILLAC MANAGEMENT UNIT, for certain timber on the following described lands:

Athol Red Pine (63-032-23) / T24N, R10W, SEC. 18, NENW,NWNE.

T24N, R10W, SEC. 7 , SWNW,SW,SWSE.

T24N, R11W, SEC. 12, SESW,N1/2SE,SWSE.

T24N, R11W, SEC. 13, NENW,N1/2NE.

Wexford County, Advertised Price \$219,753.60, 170.5 Acres, Hardwood, Red Pine.

# TIMBER SALE INFORMATION

## Athol Red Pine (63-032-23)

T24N, R10W, SEC. 18; T24N, R10W, SEC. 7; T24N, R11W, SEC. 12; T24N, R11W, SEC. 13.

Wexford County (Advertised Price \$219,753.60)

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 &amp; SPECIES</u> | <u>ESTIMATED UNITS*</u> | <u>ADVERTISED PRICE</u> |
|-------------------------------|-------------------------|-------------------------|
| Sawtimber                     |                         |                         |
| B. T. Aspen                   | 40.3 MBF                | \$ 93.00 / MBF          |
| Basswood                      | 13.4 MBF                | \$ 92.00 / MBF          |
| Black Cherry                  | 6.7 MBF                 | \$ 285.00 / MBF         |
| Jack Pine                     | 1.0 MBF                 | \$ 37.00 / MBF          |
| Red Oak                       | 10.2 MBF                | \$ 186.00 / MBF         |
| Red Pine                      | 1,155.0 MBF             | \$ 94.00 / MBF          |
| White Pine                    | 132.2 MBF               | \$ 87.00 / MBF          |
| Pulpwood                      |                         |                         |
| Basswood                      | 37 Cords                | \$ 15.85 / Cord         |
| Jack Pine                     | 8 Cords                 | \$ 18.40 / Cord         |
| Mixed Aspen                   | 186 Cords               | \$ 28.15 / Cord         |
| Mixed Hardwood                | 314 Cords               | \$ 22.25 / Cord         |
| Red Oak                       | 74 Cords                | \$ 30.55 / Cord         |
| Red Pine                      | 1,571 Cords             | \$ 47.05 / Cord         |
| White Pine                    | 58 Cords                | \$ 29.75 / Cord         |

\* The total volume is statistically estimated within plus (+) or minus (-) 14.87 percent. There are an estimated 6,466 cords on this timber sale, plus or minus 962 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:**

- A bond in the amount of \$10,987.68 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
- Cutting in any sale or unit without the required advance payment would be considered a trespass.
- Total payment must be paid in advance or according to the following schedule :
  - Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
  - The 10% down payment will be credited towards the first unit cut.
  - 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                  | 10.8%                       |
| 02                  | 43.2%                       |
| 03                  | 46.0%                       |

- If no cutting takes place, the 10% down payment will not be refunded.
- Operations on the contract issued will terminate on 03/31/2026.

### **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 |
| 510,851          | 6,466       | 14.87%                     | 5,505   | 7,428   |

## 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      |
| 14            | 184,085          | 2,330        | 14.27%        | 1,998          | 2,663        |
| 21            | 122,088          | 1,545        | 19.15%        | 1,250          | 1,841        |
| 26            | 130,337          | 1,650        | 26.28%        | 1,216          | 2,083        |
| 27            | 8,070            | 102          | 42.53%        | 59             | 146          |
| 40            | 15,138           | 192          | 68.02%        | 61             | 322          |
| 45            | 51,134           | 647          | 52.32%        | 309            | 986          |
| <b>TOTAL:</b> | <b>510,851</b>   | <b>6,466</b> |               | <b>4,892</b>   | <b>8,041</b> |

## 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     |
|---------------|--------------|----|--------------|
| 14            | 59.3         | 2  | 59.3         |
| 21            | 47.9         | 1  | 47.9         |
| 26            | 36.7         | 3  | 36.7         |
| 27            | 4.4          | 3  | 4.4          |
| 40            | 7.7          | 3  | 7.7          |
| 45            | 14.5         | 3  | 14.5         |
| <b>TOTAL:</b> | <b>170.5</b> |    | <b>170.5</b> |

**DESCRIPTION OF TIMBER BY PU (PU)**

| PU     | MARKET GROUP   | PRODUCT   | QUANTITY | UNIT  | ACRES | ADVERTISE PRICE |
|--------|----------------|-----------|----------|-------|-------|-----------------|
| 1      | Black Cherry   | Sawtimber | 0.9      | MBF   | 47.9  | \$23,680.10     |
|        | Jack Pine      |           | 1.0      | MBF   |       |                 |
|        | White Pine     |           | 1.6      | MBF   |       |                 |
|        | Jack Pine      | Pulpwood  | 8        | Cords |       |                 |
|        | Mixed Aspen    |           | 4        | Cords |       |                 |
|        | Quaking Aspen  |           | 4        | Cords |       |                 |
|        | Mixed Hardwood |           | 2        | Cords |       |                 |
|        | Black Cherry   |           | 2        | Cords |       |                 |
|        | Red Pine       |           | 487      | Cords |       |                 |
|        | White Pine     |           | 1        | Cords |       |                 |
| 2      | Basswood       | Sawtimber | 9.2      | MBF   | 59.3  | \$94,836.55     |
|        | Red Pine       |           | 799.5    | MBF   |       |                 |
|        | White Pine     |           | 16.7     | MBF   |       |                 |
|        | Basswood       | Pulpwood  | 34       | Cords |       |                 |
|        | Mixed Aspen    |           | 7        | Cords |       |                 |
|        | B. T. Aspen    |           | 7        | Cords |       |                 |
|        | Mixed Hardwood |           | 2        | Cords |       |                 |
|        | Ironwood       |           | 2        | Cords |       |                 |
|        | Red Pine       |           | 351      | Cords |       |                 |
|        | White Pine     |           | 3        | Cords |       |                 |
| 3      | B. T. Aspen    | Sawtimber | 40.3     | MBF   | 63.3  | \$101,236.95    |
|        | Basswood       |           | 4.2      | MBF   |       |                 |
|        | Black Cherry   |           | 5.8      | MBF   |       |                 |
|        | Red Oak        |           | 10.2     | MBF   |       |                 |
|        | Red Pine       |           | 355.5    | MBF   |       |                 |
|        | White Pine     |           | 113.9    | MBF   |       |                 |
|        | Basswood       | Pulpwood  | 3        | Cords |       |                 |
|        | Mixed Aspen    |           | 175      | Cords |       |                 |
|        | B. T. Aspen    |           | 175      | Cords |       |                 |
|        | Mixed Hardwood |           | 310      | Cords |       |                 |
|        | Black Cherry   |           | 111      | Cords |       |                 |
|        | Red Maple      |           | 51       | Cords |       |                 |
|        | Sugar Maple    |           | 148      | Cords |       |                 |
|        | Red Oak        |           | 74       | Cords |       |                 |
|        | Red Pine       |           | 733      | Cords |       |                 |
|        | White Pine     |           | 54       | Cords |       |                 |
| TOTAL: |                |           | 1,358.8  | MBF   |       |                 |
| TOTAL: |                |           | 2,248    | Cords |       |                 |

## **Sale Specific Conditions & Requirements**

**Sale Name: Athol Red Pine**

**Sale Number: 63-032-23 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 and red paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Retention patches 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.

### **2 - Timber Specifications**

#### **2.1 - Included Timber**

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

Within Payment Unit(s) 2 & 3, cut all trees that are two (2) inches or more at DBH, except in Payment Unit 3, do not cut any trees marked with green paint. Additionally, in Payment Unit 3, leave one oak, cherry, or red pine tree every 75 feet where present.

##### **2.1.8 - Designated plantation row unit(s) (12/08)**

Within Payment Unit(s) 1, all trees which meet minimum piece specifications in 2.2 Utilization, within designated plantation rows are designated for cutting. Designated plantation rows are every third row and follow a take one, leave two pattern. Begin with the third row in from the outside of the plantation, then continue every third row. Because of the variability of row direction, it shall be the responsibility of the producer to maintain the third row sequence.

#### **2.2 - Utilization**

##### **2.2.3 - Stump heights (4/07)**

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches DBH.

### **3 - Payments**

#### **3.3 - Pre-measured Sales**

##### **3.3.4 - Dividing payment units (7/14)**

Payment Unit(s) 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.

### **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.

#### **4.2 - Maintenance**

##### **4.2.1 - Hauling restriction (12/08)**

Hauling may be restricted on forest roads by the Unit Manager or his/her representative. The restriction may occur during spring breakup or during wet weather conditions.

##### **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

#### 5.2.1 - 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

##### 5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Units 1-3, unless changed by written agreement, 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. Operations may be allowed if specific steps are taken to prevent damaging uncut oak during the high risk period. Those steps may include completing all road brushing before April 15th and clearing a tree-length buffer along uncut oak cover before April 15th. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

##### 5.2.3.13 - Heterobasidion root disease (HRD) (7/19)

This plantation is at risk of infection by the root rot fungus, *Heterobasidion irregulare*. To prevent the spread of this disease, cutting operations within Payment Unit(s) 1-3 are restricted to the period of January 1st through March 31st. Cutting may only occur outside this period with written permission of the Unit Manager or with the application of a preventative pesticide. Consultation with a forest health specialist will determine if cutting can occur prior to January 1 without pesticide application, dependent upon current and forecasted snow cover. Cellu-Treat and RotStop C are currently the only EPA registered products available in the United States for the control of *Heterobasidion*. Both products are a water-soluble powder that must be applied to the stump, in accordance with the product label. Dye must be added to these products to provide visible evidence of adequate coverage. Application of these pesticides requires licensing by the Michigan Department of Agriculture and Rural Development. All applicators are required to: provide to the Sale Administrator notification of application per requirements in 40 CFR 170.120; and document and provide to the Sale Administrator annually, by December 31 and prior to closure of sale, the volume of product used and acres treated.

#### 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.

### 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 25 Road for Payment Unit 3 and the unnamed forest road near Payment Units 1 & 2 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.*

| Sale Number | Year |
|-------------|------|
| 63-032-23   | 23   |

| Forest Management Unit   | County  | Mapped By   | Date                     | Page | of |
|--------------------------|---------|-------------|--------------------------|------|----|
| Cadillac Management Unit | Wexford | Matt Edison | 09/28/2023               | 1    | 1  |
|                          |         | Cruised By  | Matt Edison, Joel Taylor |      |    |

| Township | Range     | Section(s) and Subdivision(s)   | Scale    |
|----------|-----------|---|----------|
| 24N      | 10W & 11W | (10) S7 SWNW,SW,SWSE & S18 NENW,NWNE<br>(11) S12 SESW,N1/2SE,SWSE & S13 NENW,N1/2NE | 1:15,840 |

**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**

|   |      |
|---|------|
| 1 | 47.9 |
| 2 | 59.3 |
| 3 | 63.3 |

**Athol Red Pine****Compartment 63132****170.5 Acres**

44.496944, -85.579385

**Legend**

- Payment Unit (Red)
- Payment Unit (Blue)
- Nearby Timber Sale
- Recreational Trails
- Primary Forest Road
- Secondary Forest Road
- Forest Access Route
- Paved Road
- County Road - Seasonal
- Private Road
- Temporary Management Access
- Lakes and Rivers

The lines shown splitting Payment Unit 3 are not marked with paint, but represent changes in cover type within the Payment Unit.

0 0.125 0.25 0.5 0.75 1 Miles