



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #7373

REVISION NOTICE #1 - March 6, 2024

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on Wednesday, March 20, 2024**

LOCATION: **BALDWIN OFFICE, 2468 W 24th Street, Baldwin, MI 49304**

The sale conditions for the **Voodoo Pine** timber sale (63-018-23) have been updated. Please use the attached sale conditions when bidding on this sale and disregard the original sale conditions sent with the prospectus.

Updated - Spec 2.1.4:

Within Payment Unit(s) 5, all white pine less than eighteen (18) inches at DBH, all red pine less than twelve (12) inches at DBH, and all aspen, which meet minimum piece specifications 2.2 Utilization, are designated for cutting.

Within Payment Unit(s) 6, all white pine less than eighteen (18) inches at DBH, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting.

Original - Spec 2.1.4:

Within Payment Unit(s) 5 & 6, all white pine that are less than eighteen (18) inches at DBH, are designated for cutting which meet minimum piece specifications in 2.2 Utilization.

We apologize for any inconvenience this may have caused. If you need assistance, please contact David Fisher at 231-745-4651 ext. 9064.

Sale Specific Conditions & Requirements

Sale Name: Voodoo Pine

Sale Number: 63-018-23 Seq#: 2

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. The 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) 4, cut all trees that are two (2) inches or more at DBH. Additionally, within Payment Unit 4, leave two healthy white pine trees that are eighteen (18) inches or more at DBH per acre.

2.1.4 - Designated timber unit(s) (6/17)

Within Payment Unit(s) 5, all white pine less than eighteen (18) inches at DBH, all red pine less than twelve (12) inches at DBH, and all aspen, which meet minimum piece specifications 2.2 Utilization, are designated for cutting.

Within Payment Unit(s) 6, all white pine less than eighteen (18) inches at DBH, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting.

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

Within Payment Unit(s) 1 & 2, all trees which meet minimum piece specifications in 2.2 Utilization, within designated plantation rows are designated for cutting. Designated plantation rows follow a take two, leave two pattern. Because of the variability of row direction, it shall be the responsibility of the producer to maintain the cutting sequence.

Within Payment Unit 3, all trees which meet minimum piece specifications in 2.2 Utilization, within designated plantation rows are designated for cutting. Designated plantation rows 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 Payment Unit 4 shall not exceed 6 inches for all trees. This is in order to facilitate planting operations. A written waiver of this requirement may be obtained if wet summer weather makes winter logging necessary.

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.

4.1.12 - 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.

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 may occur during wet weather conditions.

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

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**5.1 - Notification****5.1.1 - Pre-sale conference (10/16)**

A pre-sale conference on site between the Purchaser and sale administrator is required prior to beginning a Payment Unit to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 5 days in advance to schedule the conference.

5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 5 days prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract specifications.

5.2 - Conduct of Operations**5.2.1 - Slash****5.2.1.8 - Slash height (12/08)**

No slash or treetops 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**5.2.3.4 - Oak wilt restriction, no exceptions (1/18)**

Within Payment Units 5 & 6, 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.

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Units 1-4, 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.

5.2.3.6 - Bark beetle restriction (12/08)

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March

1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4 mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

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.

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 Centerline Road, Merrillville Road, and 1 Mile 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.



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7373**

SCHEDULED SALE DATE AND TIME: 3:00 p.m. (local time) on March 20, 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:

Noble Jack Pine (63-107-23) / T21N, R05W, SEC. 25, SWSE.

T21N, R05W, SEC. 26, SESW.

T21N, R05W, SEC. 34, NESE, S1/2SE.

T21N, R05W, SEC. 35, NW.

T21N, R05W, SEC. 36, NWNE, S1/2NE, NESW, S1/2SW.

Missaukee County, Advertised Price \$32,579.10, 104.3 Acres, Jack Pine, Red Oak.

SALE NOTE: 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

Noble Jack Pine (63-107-23)

T21N, R05W, SEC. 25; T21N, R05W, SEC. 26; T21N, R05W, SEC. 34; T21N, R05W, SEC. 35; T21N, R05W, SEC. 36.

Missaukee County (Advertised Price \$32,579.10)

SALE NOTE: 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 | | |
| Jack Pine | 28.5 MBF | \$ 32.00 / MBF |
| Red Oak | 13.4 MBF | \$ 191.00 / MBF |
| Pulpwood | | |
| Black/Red (Hybrid) Oak | 27 Cords | \$ 32.80 / Cord |
| Jack Pine | 1,345 Cords | \$ 18.70 / Cord |
| Red Oak | 87 Cords | \$ 32.80 / Cord |
| Red Pine | 4 Cords | \$ 54.25 / Cord |

* The total volume is statistically estimated within plus (+) or minus (-) 9.85 percent. There are an estimated 1,517 cords on this timber sale, plus or minus 149 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 \$2,606.33 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 | 39.9% |
| 02 | 39.1% |
| 03 | 21.0% |
4. If no cutting takes place, the 10% down payment will not be refunded.
5. 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 |
| 119,812 | 1,517 | 9.85% | 1,367 | 1,666 |

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 |
| 53 | 6,095 | 77 | 359.39% | 0 | 354 |
| 78 | 27,145 | 344 | 17.40% | 284 | 403 |
| 81 | 50,528 | 640 | 18.23% | 523 | 756 |
| 104 | 36,044 | 456 | 16.45% | 381 | 531 |
| TOTAL: | 119,812 | 1,517 | | 1,188 | 2,045 |

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 |
|---------------|--------------|----|--------------|
| 53 | 3.9 | 2 | 3.9 |
| 78 | 25.3 | 3 | 25.3 |
| 81 | 47.5 | 1 | 47.5 |
| 104 | 27.6 | 2 | 27.6 |
| TOTAL: | 104.3 | | 104.3 |

DESCRIPTION OF TIMBER BY PU (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|--------|-------------------|-----------|----------|-------|-------|-----------------|
| 1 | Jack Pine | Sawtimber | 11.6 | MBF | 47.5 | \$12,991.80 |
| | Black/Red (Hybrid | Pulpwood | 26 | Cords | | |
| | Jack Pine | | 610 | Cords | | |
| | Red Oak | | 11 | Cords | | |
| 2 | Jack Pine | Sawtimber | 3.7 | MBF | 31.5 | \$12,752.70 |
| | Red Oak | | 13.4 | MBF | | |
| | Jack Pine | Pulpwood | 423 | Cords | | |
| | Red Oak | | 66 | Cords | | |
| 3 | Jack Pine | Sawtimber | 13.2 | MBF | 25.3 | \$6,834.60 |
| | Black/Red (Hybrid | Pulpwood | 1 | Cords | | |
| | Jack Pine | | 312 | Cords | | |
| | Red Oak | | 10 | Cords | | |
| | Red Pine | | 4 | Cords | | |
| | Red Pine | Sawtimber | 1.5 | MBF | | |
| | Red Pine | Pulpwood | 1 | Cords | | |
| TOTAL: | | | 41.9 | MBF | | |
| TOTAL: | | | 1,463 | Cords | | |

Sale Specific Conditions & Requirements

Sale Name: Noble Jack Pine

Sale Number: 63-107-23 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 red 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) 1-3, cut all trees that are two (2) inches or more at DBH, except do not cut any white oak, white pine, or black cherry.

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

4.1.12 - 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.

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

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference on site between the Purchaser and sale administrator is required prior to beginning any operations in any Payment Unit. The Unit Manager or his/her representative must be contacted at least 3 days in advance to schedule the conference.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.13 - Dispose of slash as directed (12/05)

Slash is to be disposed of as directed by the Sale Administrator. In Payment Unit 2, some slash will be required to be placed in small piles to enhance eastern massasauga rattlesnake habitat.

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) 2, unless changed by written agreement, cutting, skidding, and hauling are limited to the periods of frozen winter or dry summer conditions, per the Sale Administrator's approval. This restriction is for eastern massasauga rattlesnake habitat considerations.

5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

5.2.39 - ORV trail/route protection (4/18)

The ORV trail runs through portions of the sale and is shown on the Timber Sale Map. Do not cut trees or damage posts with ORV markers. All stumps within 5 feet of the trail must be cut flush with the ground. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the ORV trail as the centerline. Do not run equipment down the ORV trail. 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)

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.

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 the ORV Trail prior to beginning operations. The trail must be posted approximately 300 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.

7 - Other Conditions

7.5 - Loss

7.5.1 - Deteriorating timber (7/09)

The sale area has received damage from jack pine mortality. The Purchaser should harvest the wood as soon as possible. The Department of Natural Resources is held free of responsibility of any further damage or deterioration due to delay in harvesting.



TIMBER SALE MAP

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

Sale Number
63-107-23

Date
09/28/2023

Forest Management Unit
Cadillac Mgt Unit

County
Missaukee

Mapped By: Luoto

Cruised By: Manton Office

Scale
1:24,000

Page
1

Of
1

Township 21N Range 05W Section(s) and Subdivision(s) NWNE,S1/2NE,NESW,S1/2SW;
Sec. 25 SWSE; Sec. 26 SESW; Sec. 34 NESE,S1/2SE; Sec. 35 NW; Sec. 36

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 |

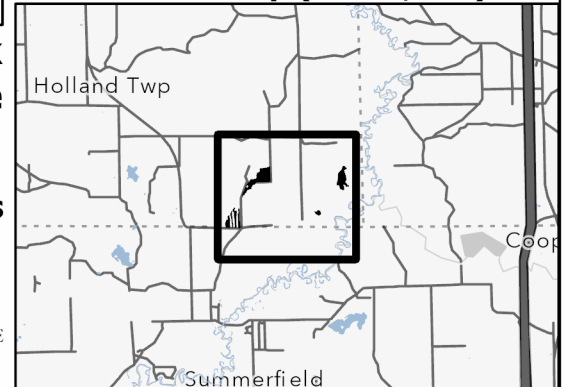
PU # Acres

| | |
|---|------|
| 1 | 47.5 |
| 2 | 31.5 |
| 3 | 25.3 |

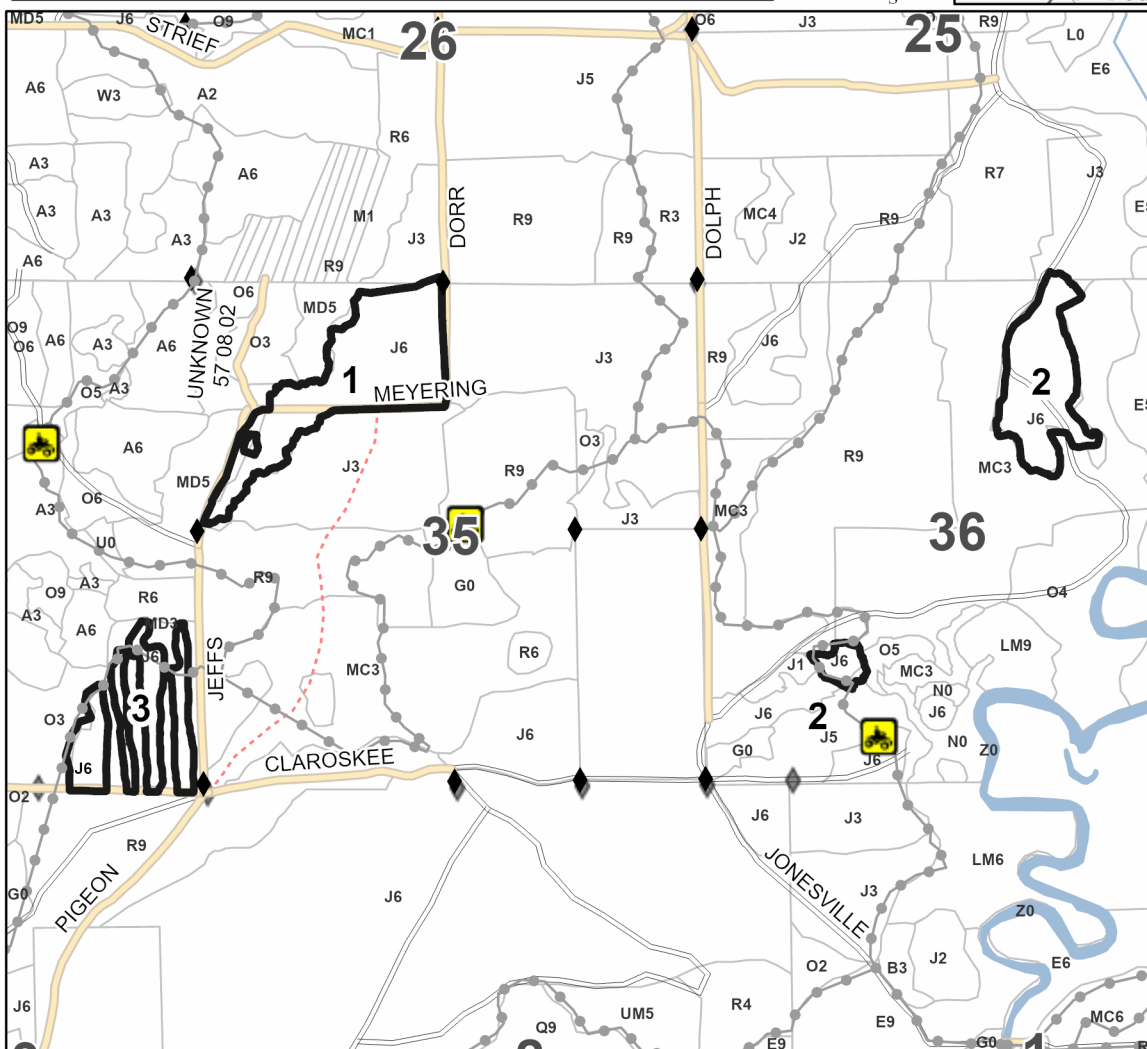
Noble Jack Pine

104.3 Acres

Locator Map (1:200,000)



0 0.38 0.75 1.5 Miles



Legend

- Stand
- Against State (Red)
- Recreational Trail
- Primary Forest Road
- Secondary Forest Road
- Forest Access Route
- Administrative Access Only
- Non-DNR Road
- Survey Corner

Use QR Code to open Map in App

