



DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN

TIMBER SALE PROSPECTUS #7618

REVISION NOTICE #1 - March 26, 2025

SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on Wednesday, April 23, 2025

LOCATION: Shingleton Mgmt Unit, PO Box 67, M 28 West, Shingleton, MI 49884

This prospectus has been modified with the following changes:

The scheduled bid date on this Prospectus has been changed. The scheduled bid date was originally Wednesday, April 09, 2025, 2:00 PM (EST) but has now been changed to **Wednesday, April 23, 2025, 2:00 PM (EST)**.

The date has been changed because the original advertisement notification did not go out as scheduled due to a system issue. Changing the bid date will allow bidders more time to review the sales.

We apologize for any inconvenience this may have caused. If you need assistance, please contact Robert Burnham at 906-420-1645 ext. n/a.



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7618**

SCHEDULED SALE DATE AND TIME: **2:00 p.m. (local time) on April 9, 2025.**

LOCATION: **SHINGLETON MGMT UNIT, PO BOX 67, M 28 WEST, SHINGLETON, MI 49884.**

CONTACT NAME: Robert Burnham

PHONE NUMBER: (906) 420-1645

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

Blue Skies Red Pine Mix (41-011-24) / T42N, R15W, SEC. 4 , SWNW,NWSW.

T42N, R15W, SEC. 5 , SWNW,SW,SE.

T42N, R15W, SEC. 6 , E1/2SE.

T42N, R16W, SEC. 1 , NWNW.

Schoolcraft County, Advertised Price \$226,108.35, 268.7 Acres, Hardwood, Red Pine.

SALE NOTE: Road work is required on this sale. See Sale Spec 4.1.8 for details.

Within Payment Unit(s) 9-11, harvesting is not permitted during the period of April 15 to July 15 because of bark slippage.

Snowmobile Trail #2 is shown on the Timber Sale map. See Sale Spec 5.2.41 for restrictions.

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

Blue Skies Red Pine Mix (41-011-24)

T42N, R15W, SEC. 4; T42N, R15W, SEC. 5; T42N, R15W, SEC. 6; T42N, R16W, SEC. 1.
Schoolcraft County (Advertised Price \$226,108.35)

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Within Payment Unit(s) 9-11, harvesting is not permitted during the period of April 15 to July 15 because of bark slippage.

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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 | | |
| Black Cherry | 1.2 MBF | \$ 82.00 / MBF |
| Paper Birch | 2.8 MBF | \$ 44.00 / MBF |
| Red Maple | 61.7 MBF | \$ 90.00 / MBF |
| Sugar Maple | 20.5 MBF | \$ 274.00 / MBF |
| Yellow Birch | 3.8 MBF | \$ 58.00 / MBF |
| Pulpwood | | |
| Balsam Fir | 53 Cords | \$ 11.00 / Cord |
| Black Spruce | 85 Cords | \$ 8.30 / Cord |
| Jack Pine | 35 Cords | \$ 35.50 / Cord |
| Mixed Aspen | 739 Cords | \$ 29.90 / Cord |
| Mixed Hardwood | 639 Cords | \$ 18.05 / Cord |
| Paper Birch | 46 Cords | \$ 9.35 / Cord |
| Red Pine | 1,828 Cords | \$ 92.25 / Cord |
| White Pine | 518 Cords | \$ 17.90 / Cord |

* The total volume is statistically estimated within plus (+) or minus (-) 10.23 percent. There are an estimated 4,152 cords on this timber sale, plus or minus 425 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 \$11,305.42 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 | 5.3% |
| 02 | 5.2% |
| 03 | 5.7% |
| 04 | 9.8% |
| 05 | 9.3% |
| 06 | 7.4% |
| 07 | 12.2% |
| 08 | 9.6% |
| 09 | 1.7% |
| 10 | 2.7% |
| 11 | 4.0% |
| 12 | 0.0% |
| 13 | 4.8% |
| 14 | 0.8% |
| 15 | 8.7% |
| 16 | 2.0% |
| 17 | 3.2% |
| 18 | 5.0% |
| 19 | 1.8% |
| 20 | 0.8% |

4. If no cutting takes place, the 10% down payment will not be refunded.

5. Operations on the contract issued will terminate on 06/30/2028.

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 |
| 328,046 | 4,152 | 10.23% | 3,727 | 4,578 |

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 |
| 1 | 112,378 | 1,423 | 15.54% | 1,202 | 1,644 |
| 2 | 15,258 | 193 | 34.74% | 126 | 260 |
| 3 | 27,569 | 349 | 27.98% | 251 | 447 |
| 4 | 22,006 | 279 | 36.81% | 176 | 381 |
| 5 | 351 | 4 | 119.06% | 0 | 10 |
| 6 | 31,968 | 405 | 47.15% | 214 | 595 |
| 7 | 5,582 | 71 | 70.12% | 21 | 120 |
| 8 | 56,069 | 710 | 26.94% | 519 | 901 |
| 9 | 6,150 | 78 | 89.81% | 8 | 148 |
| 10 | 15,681 | 198 | 43.11% | 113 | 284 |
| 11 | 12,428 | 157 | 59.47% | 64 | 251 |
| 12 | 19,838 | 251 | 58.72% | 104 | 399 |
| 13 | 2,769 | 35 | 45.16% | 19 | 51 |
| TOTAL: | 328,046 | 4,152 | | 2,816 | 5,490 |

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 |
|---------------|----------------|----|--------------|
| 1 | 121.5 | 1 | 11.4 |
| 1 | 121.5 | 2 | 11.1 |
| 1 | 121.5 | 3 | 12.1 |
| 1 | 121.5 | 4 | 20.8 |
| 1 | 121.5 | 5 | 19.9 |
| 1 | 121.5 | 6 | 12.4 |
| 1 | 121.5 | 7 | 25.9 |
| 1 | 121.5 | 8 | 7.9 |
| 2 | 21.0 | 6 | 4.5 |
| 2 | 21.0 | 8 | 16.5 |
| 3 | 28.3 | 9 | 10.7 |
| 3 | 28.3 | 10 | 17.6 |
| 4 | 17.5 | 11 | 17.5 |
| 5 | 1.3 | 12 | 1.3 |
| 6 | 7.5 | 13 | 7.5 |
| 7 | 3.8 | 14 | 3.8 |
| 8 | 35.6 | 15 | 35.6 |
| 9 | 4.0 | 16 | 4.0 |
| 10 | 9.2 | 17 | 9.2 |
| 11 | 9.5 | 18 | 9.5 |
| 12 | 8.6 | 19 | 8.6 |
| 13 | 0.9 | 20 | 0.9 |
| TOTAL: | 1,168.5 | | 268.7 |

DESCRIPTION OF TIMBER BY PU (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|----|----------------------|-----------|----------|--------------|-------|-----------------|
| 1 | Mixed Aspen | Pulpwood | 3 | Cords | 11.4 | \$12,082.20 |
| | <i>B. T. Aspen</i> | | 3 | <i>Cords</i> | | |
| | Red Pine | | 130 | Cords | | |
| 2 | Mixed Aspen | Pulpwood | 3 | Cords | 11.1 | \$11,713.20 |
| | <i>B. T. Aspen</i> | | 3 | <i>Cords</i> | | |
| | Red Pine | | 126 | Cords | | |
| 3 | Mixed Aspen | Pulpwood | 3 | Cords | 12.1 | \$12,820.20 |
| | <i>B. T. Aspen</i> | | 3 | <i>Cords</i> | | |
| | Red Pine | | 138 | Cords | | |
| 4 | Mixed Aspen | Pulpwood | 6 | Cords | 20.8 | \$22,060.70 |
| | <i>B. T. Aspen</i> | | 6 | <i>Cords</i> | | |
| | Mixed Hardwood | | 1 | Cords | | |
| | <i>Red Maple</i> | | 1 | <i>Cords</i> | | |
| | Red Pine | | 237 | Cords | | |
| 5 | Mixed Aspen | Pulpwood | 6 | Cords | 19.9 | \$21,138.20 |
| | <i>B. T. Aspen</i> | | 6 | <i>Cords</i> | | |
| | Mixed Hardwood | | 1 | Cords | | |
| | <i>Red Maple</i> | | 1 | <i>Cords</i> | | |
| | Red Pine | | 227 | Cords | | |
| 6 | Jack Pine | Pulpwood | 1 | Cords | 16.9 | \$16,826.10 |
| | Mixed Aspen | | 5 | Cords | | |
| | <i>B. T. Aspen</i> | | 4 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 1 | <i>Cords</i> | | |
| | Mixed Hardwood | | 2 | Cords | | |
| | <i>Red Maple</i> | | 2 | <i>Cords</i> | | |
| | Red Pine | | 180 | Cords | | |
| 7 | Mixed Aspen | Pulpwood | 7 | Cords | 25.9 | \$27,348.85 |
| | <i>B. T. Aspen</i> | | 7 | <i>Cords</i> | | |
| | Mixed Hardwood | | 1 | Cords | | |
| | <i>Red Maple</i> | | 1 | <i>Cords</i> | | |
| | Red Pine | | 294 | Cords | | |
| 8 | Jack Pine | Pulpwood | 2 | Cords | 24.4 | \$21,626.70 |
| | Mixed Aspen | | 4 | Cords | | |
| | <i>B. T. Aspen</i> | | 2 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 2 | <i>Cords</i> | | |
| | Mixed Hardwood | | 7 | Cords | | |
| | <i>Red Maple</i> | | 5 | <i>Cords</i> | | |
| | <i>Sugar Maple</i> | | 2 | <i>Cords</i> | | |
| | Red Pine | | 231 | Cords | | |
| 9 | Red Maple | Sawtimber | 11.9 | MBF | 10.7 | \$3,761.65 |
| | Sugar Maple | | 3.4 | MBF | | |
| | Balsam Fir | Pulpwood | 3 | Cords | | |
| | Mixed Aspen | | 4 | Cords | | |
| | <i>B. T. Aspen</i> | | 3 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 1 | <i>Cords</i> | | |
| | Mixed Hardwood | | 89 | Cords | | |
| | <i>American Elm</i> | | 1 | <i>Cords</i> | | |
| | <i>Beech</i> | | 4 | <i>Cords</i> | | |
| | <i>Black Cherry</i> | | 1 | <i>Cords</i> | | |
| | <i>Red Maple</i> | | 55 | <i>Cords</i> | | |
| | <i>Sugar Maple</i> | | 28 | <i>Cords</i> | | |
| 10 | Red Maple | Sawtimber | 19.6 | MBF | 17.6 | \$6,214.40 |
| | Sugar Maple | | 5.7 | MBF | | |

DESCRIPTION OF TIMBER BY PU (PU), CON'T

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|----------|----------------------|-----------|----------|--------------|-------|-----------------|
| 10 con't | Balsam Fir | Pulpwood | 4 | Cords | | |
| | Mixed Aspen | | 7 | Cords | | |
| | <i>B. T. Aspen</i> | | 5 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 2 | <i>Cords</i> | | |
| | Mixed Hardwood | | 146 | Cords | | |
| | <i>American Elm</i> | | 2 | <i>Cords</i> | | |
| | <i>Beech</i> | | 7 | <i>Cords</i> | | |
| | <i>Black Cherry</i> | | 2 | <i>Cords</i> | | |
| | <i>Red Maple</i> | | 90 | <i>Cords</i> | | |
| | <i>Sugar Maple</i> | | 45 | <i>Cords</i> | | |
| 11 | Black Cherry | Sawtimber | 1.2 | MBF | 17.5 | \$9,116.30 |
| | Red Maple | | 22.9 | MBF | | |
| | Sugar Maple | | 11.4 | MBF | | |
| | Yellow Birch | | 3.8 | MBF | | |
| | Balsam Fir | Pulpwood | 8 | Cords | | |
| | Mixed Hardwood | | 156 | Cords | | |
| | <i>Beech</i> | | 2 | <i>Cords</i> | | |
| | <i>Black Cherry</i> | | 1 | <i>Cords</i> | | |
| | <i>Red Maple</i> | | 89 | <i>Cords</i> | | |
| | <i>Sugar Maple</i> | | 58 | <i>Cords</i> | | |
| | <i>Yellow Birch</i> | | 6 | <i>Cords</i> | | |
| | Red Pine | | 4 | Cords | | |
| | White Pine | | 19 | Cords | | |
| 12 | Mixed Aspen | Pulpwood | 1 | Cords | 1.3 | \$111.30 |
| | <i>Quaking Aspen</i> | | 1 | <i>Cords</i> | | |
| | Mixed Hardwood | | 3 | Cords | | |
| | <i>Black Cherry</i> | | 1 | <i>Cords</i> | | |
| | <i>Red Maple</i> | | 2 | <i>Cords</i> | | |
| | Paper Birch | | 1 | Cords | | |
| | White Pine | | 1 | Cords | | |
| 13 | Paper Birch | Sawtimber | 2.8 | MBF | 7.5 | \$10,896.35 |
| | Red Maple | | 3.4 | MBF | | |
| | Mixed Aspen | Pulpwood | 210 | Cords | | |
| | <i>B. T. Aspen</i> | | 124 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 86 | <i>Cords</i> | | |
| | Mixed Hardwood | | 89 | Cords | | |
| | <i>Red Maple</i> | | 89 | <i>Cords</i> | | |
| | Paper Birch | | 19 | Cords | | |
| | Red Pine | | 15 | Cords | | |
| | White Pine | | 57 | Cords | | |
| 14 | Mixed Aspen | Pulpwood | 50 | Cords | 3.8 | \$1,872.40 |
| | <i>B. T. Aspen</i> | | 30 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 20 | <i>Cords</i> | | |
| | Mixed Hardwood | | 10 | Cords | | |
| | <i>Red Maple</i> | | 10 | <i>Cords</i> | | |
| | White Pine | | 11 | Cords | | |
| 15 | Red Maple | Sawtimber | 0.8 | MBF | 35.6 | \$19,737.30 |
| | Balsam Fir | Pulpwood | 34 | Cords | | |
| | Jack Pine | | 5 | Cords | | |
| | Mixed Aspen | | 315 | Cords | | |
| | <i>B. T. Aspen</i> | | 249 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 66 | <i>Cords</i> | | |
| | Mixed Hardwood | | 64 | Cords | | |
| | <i>Beech</i> | | 1 | <i>Cords</i> | | |
| | <i>Red Maple</i> | | 63 | <i>Cords</i> | | |

DESCRIPTION OF TIMBER BY PU (PU), CON'T

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|--------------------|----------------------|------------|----------|--------------|-------|-----------------|
| 15 con't | Paper Birch | Pulpwood | 17 | Cords | | |
| | Red Pine | | 47 | Cords | | |
| | White Pine | | 226 | Cords | | |
| 16 | Mixed Aspen | Pulpwood | 39 | Cords | 4.0 | \$4,466.45 |
| | <i>Quaking Aspen</i> | | 39 | <i>Cords</i> | | |
| | Red Pine | | 35 | Cords | | |
| | White Pine | | 4 | Cords | | |
| 17 | Mixed Aspen | Pulpwood | 49 | Cords | 9.2 | \$7,215.80 |
| | <i>B. T. Aspen</i> | | 41 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 8 | <i>Cords</i> | | |
| | Mixed Hardwood | | 19 | Cords | | |
| | <i>Red Maple</i> | | 19 | <i>Cords</i> | | |
| | Paper Birch | | 7 | Cords | | |
| | Red Pine | | 42 | Cords | | |
| | White Pine | | 82 | Cords | | |
| | | | | | | |
| 18 | Jack Pine | Pulpwood | 27 | Cords | 9.5 | \$11,203.65 |
| | Mixed Aspen | | 3 | Cords | | |
| | <i>Quaking Aspen</i> | | 3 | <i>Cords</i> | | |
| | Mixed Hardwood | | 7 | Cords | | |
| | <i>Red Maple</i> | | 7 | <i>Cords</i> | | |
| | Red Pine | | 106 | Cords | | |
| | White Pine | | 14 | Cords | | |
| 19 | Red Maple | Sawtimber | 3.1 | MBF | 8.6 | \$4,104.90 |
| | Balsam Fir | Pulpwood | 2 | Cords | | |
| | Black Spruce | | 84 | Cords | | |
| | Mixed Aspen | | 7 | Cords | | |
| | <i>B. T. Aspen</i> | | 7 | <i>Cords</i> | | |
| | Mixed Hardwood | | 43 | Cords | | |
| | <i>Red Maple</i> | | 43 | <i>Cords</i> | | |
| | Paper Birch | | 2 | Cords | | |
| | Red Pine | | 3 | Cords | | |
| | White Pine | | 102 | Cords | | |
| | 20 | Balsam Fir | Pulpwood | 2 | | |
| Black Spruce | | 1 | | Cords | | |
| Mixed Aspen | | 17 | | Cords | | |
| <i>B. T. Aspen</i> | | 17 | | <i>Cords</i> | | |
| Mixed Hardwood | | 1 | | Cords | | |
| <i>Red Maple</i> | | 1 | | <i>Cords</i> | | |
| Red Pine | | 13 | | Cords | | |
| White Pine | | 2 | | Cords | | |
| TOTAL: | | | 90.0 | MBF | | |
| TOTAL: | | | 3,943 | Cords | | |

Sale Specific Conditions & Requirements

Sale Name: Blue Skies Red Pine Mix

Sale Number: 41-011-24 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 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. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. In Payment Units 1-12 and 15-20, yellow painted Payment Unit boundary trees are not to be cut unless marked with orange paint. In Payment Units 13 and 14, yellow painted trees are to be cut, but only after both units have been paid for. In addition to the Payment Unit boundaries, Payment Units 9-11 have green painted regeneration gap boundaries within the Payment Units. These green painted boundary trees are Included Timber and designated for cutting.

2 - Timber Specifications

2.1 - Included Timber

2.1.1 - Clearcut Unit(s) with Unmerchantable Trees (6/14)

Within Payment Unit(s) 13, 14, and 20, cut all maple, aspen and birch trees that are two (2) inches or more at DBH. Cut all other trees except hemlock and oak trees that are four (4) inches or more at DBH. In addition, within Payment Unit 13 do not cut trees marked with green paint above and below stump height. Within Payment Unit 12 cut all species that are two (2) inches or more at DBH except do not cut hemlock or oak.

2.1.3 - Cut Tree Marked Unit(s) (12/08)

Within Payment Unit(s) 1-11, and 15-18, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within Payment Unit 15, cut all merchantable maple, aspen, jack pine, and balsam fir except for trees marked with green paint above and below the stump height. In addition, within Payment Unit 16, cut all merchantable aspen. In addition, within Payment Units 9-11, all trees within regeneration gaps are designated for cutting including the green marked trees identifying the regeneration gaps, this includes all trees greater than 1 (one) inch at DBH. Regeneration gaps are marked by green paint above and below the stump height.

2.1.7 - Leave Tree Marked Unit(s) (6/14)

Within Payment Unit(s) 19, all trees, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting except do not cut hemlock, oak, cedar, and trees marked with green 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

2.2.3 - Stump heights (4/07)

Stump heights within Payment Units 1-8, and 15-18, shall not exceed 12 inches for trees greater than 10 inches DBH and four (4) inches for trees smaller than 10 inches DBH. This is in order to facilitate future planting operations.

2.2.3 - Stump Heights (12/24)

Stump heights within shall not exceed

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing Payment Units (7/14)

Payment Unit(s) with a value greater than \$20,000 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.

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.

4.1.6 - Road Construction (4/24)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

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. Contact the Sale Administrator for specific details of design and placement.

4.1.8 - Road Work (1) (8/07)

The following road work is required: 300 cubic yards of breaker run gravel (3-inch minus) must be purchased, hauled, and spread between the Sale Area and M-94. The exact locations will be determined at the pre-sale meeting. Unless approved by the Unit Manager, all road work must be done before hauling can commence.

4.2 - Maintenance

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.

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

5.2.3.3 - Bark Slippage Restriction (3/09)

Within Payment Unit(s) 9-11, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

5.2.3.6 - Bark Beetle Restriction (1/25)

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 (2) 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 15 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.

5.2.3.6 - 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.

5.2.41 - Snowmobile Trail Protection (9/11)

Snowmobile Trail #2 is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. If the trail road is to be used for hauling during the snowmobile season, then a snow-covered base must be left on the trail. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 20 feet of the snowmobile trail must be cut at ground level.

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 April 1 to July 30. 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

6.2.2 - Snowmobile Trail Posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on snowmobile trail #2 prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail must be posted approximately 350 feet 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

Sale Number

41-011-24

Date

08/29/2024

Mapped By: Steve Tuovila

Cruised By: Steve Tuovila

Scale

1:7,920

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3

3

| Forest Management Unit | | County | Schoolcraft |
|------------------------|-----------|-------------------------------|-------------|
| Shingleton Mgt Unit | | | |
| Township | Range | Section(s) and Subdivision(s) | |
| 42N | 15W / 16W | | |

Sec. 1 MNWNW; Sec. 4 SWNW/NWSW; Sec. 5 SWNW/SWSE; Sec. 6 E1/2SE;

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 = Tired 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 | N = Marsh | | Z = Water |
| H = Hemlock | | | |

Density

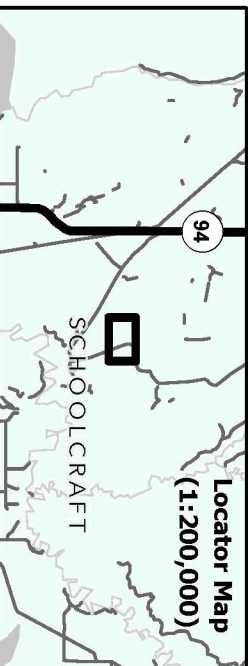
| | |
|----------------------------|------------------------|
| 0 = Non Stocked | 5 = Pole Timber Medium |
| 1 = Seeding Sapling Poor | 6 = Pole Timber Well |
| 2 = Seeding Sapling Medium | 7 = Saw Timber Poor |
| 3 = Seeding Sapling Well | 8 = Saw Timber Medium |
| 4 = Pole Timber Poor | 9 = Saw Timber Well |

Use QR Code to open Map in App



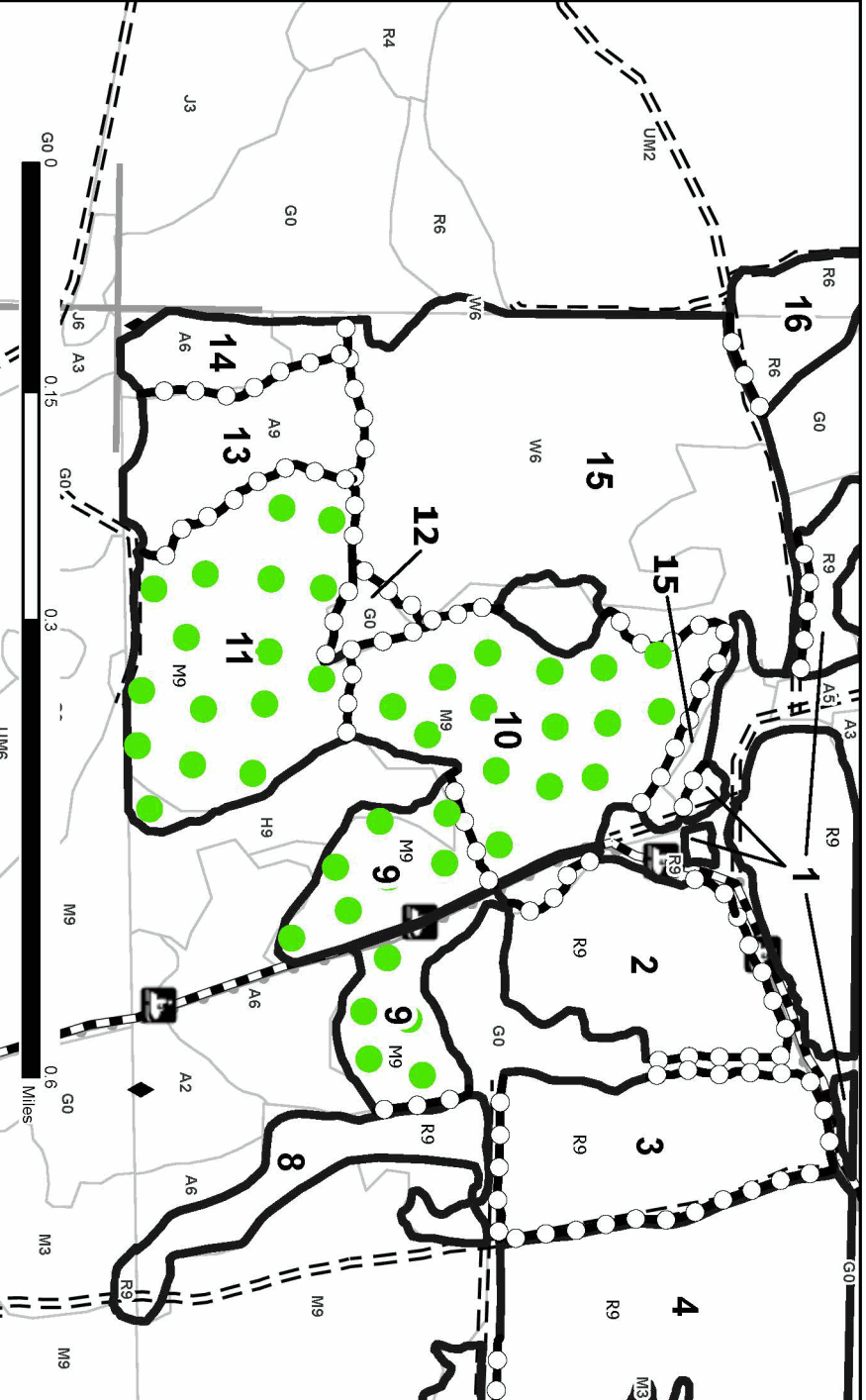
Blue Skies Red Pine Mix
268.7 Acres

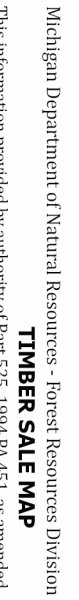
Locator Map
(1:200,000)



Legend

- Against State (Red)
- Stand
- Payment Unit (Yellow)
- Recreational Trail
- Primary Forest Road
- Forest Access Route
- Administrative Access Only
- Paved Road
- Government Gravel/Dirt
- Private Gravel/Dirt
- Survey Grade Corner
- Gap Cut Locations
- MIRIS Section Corner





TIMBER SALE MAP

HIDDEN CALL INFO
This information provided by authority of Post 525 1894 PA 451 as amended

| Cover Type | | Density | | | |
|---------------------|-------------------------|-------------------------|------------------------|----------------------------|------------------------|
| A = Aspen | J = Jack Pine | O = Oak | U = Upland Brush | 0 = Non Stocked | 5 = Pole Timber Medium |
| B = Paper Birch | K = Rock | P = Lowland Poplar | UM = Upland Mix Forest | 1 = Seeding Sapling Poor | 6 = Pole Timber Well |
| C = Cedar | L = Lowland Brush | Q = Mixed Swamp Conifer | V = Bog or Marsh | 2 = Seeding Sapling Medium | 7 = Saw Timber Poor |
| D = Treed Bog | LM = Lowland Mix Forest | R = Red Pine | W = White Pine | 3 = Seeding Sapling Well | 8 = Saw Timber Medium |
| E = Swamp Hardwoods | S = Maple, Beech, Birch | MC = Black Spruce | X = Non Stocked | 4 = Pole Timber Poor | 9 = Saw Timber Well |
| F = Spruce/Fir | MD = Mixed Conifer | T = Tamarack | Y = Sand | | |
| G = Grass | N = Mixed Deciduous | Z = Water | | | |
| H = Hemlock | N = Marsh | | | | |

| PU # | Acre | PU # | Acre | PU # | Acre | PU # | Acre |
|------|------|------|------|------|------|------|------|
| 1 | 11.4 | 5 | 15.0 | 11 | 17.5 | 15 | 4 |

Density

0 = Non Stocked
1 = Seedling Sapling Poor
2 = Seedling Sapling Medium
3 = Seedling Sapling Well
4 = Pole Timber Poor
5 = Pole Timber Medium
6 = Pole Timber Well
7 = Saw Timber Poor
8 = Saw Timber Medium
9 = Saw Timber Well

Blue Skies Red Pine Mix













268.7 Acres

| PU # | Acres | PU # | Acres | PU # | Acres | PU # | Acres |
|------|-------|------|-------|------|-------|------|-------|
| 1 | 11.4 | 6 | 16.9 | 11 | 17.5 | 16 | 4 |
| 2 | 11 | 7 | 25.9 | 12 | 1.3 | 17 | 9.2 |
| 3 | 12.1 | 8 | 24.5 | 13 | 7.5 | 18 | 9.5 |
| 4 | 20.8 | 9 | 10.7 | 14 | 3.8 | 19 | 8.6 |
| 5 | 19.9 | 10 | 17.6 | 15 | 35.7 | 20 | 0.9 |



Use QR Code to open Map in App

Legend

- | | |
|---|----------------------------|
|  | Against State (Red) |
|  | Stand |
|  | Payment Unit (Yellow) |
|  | Recreational Trail |
|  | Primary Forest Road |
|  | Forest Access Route |
|  | Administrative Access Only |
|  | Paved Road |
|  | Government Gravel/Dirt |
|  | Private Gravel/Dirt |
|  | Survey Grade Corner |
|  | MIRIS Section Corner |



TIMBER SALE MAP

Sale Number

41-011-24

Date

08/29/2024

Forest Management Unit
Shingleton Mgt Unit

County
Schoolcraft

Mapped By: Steve Tuovila
Cruised By: Steve Tuovila

| Scale | | Page | | Of |
|---------|--|------|---|----|
| 1:7,920 | | 2 | 3 | |

Section(s) and
Subdivision(s)

Sec. 1. NWNW; Sec. 4. SWNW/NWSW; Sec. 5. SWNW/SWSE; Sec. 6. E1/2SE;

Cover Type

A = Aspen
B = Paper Birch
C = Cedar
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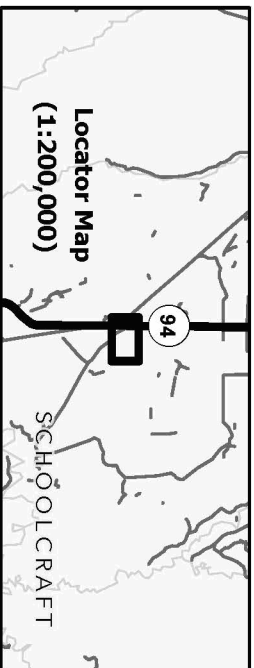
Density

0 = Non Stocked
1 = Seeding Sapling Poor
2 = Seeding Sapling Medium
3 = Seeding Sapling Well
4 = Pole Timber Poor
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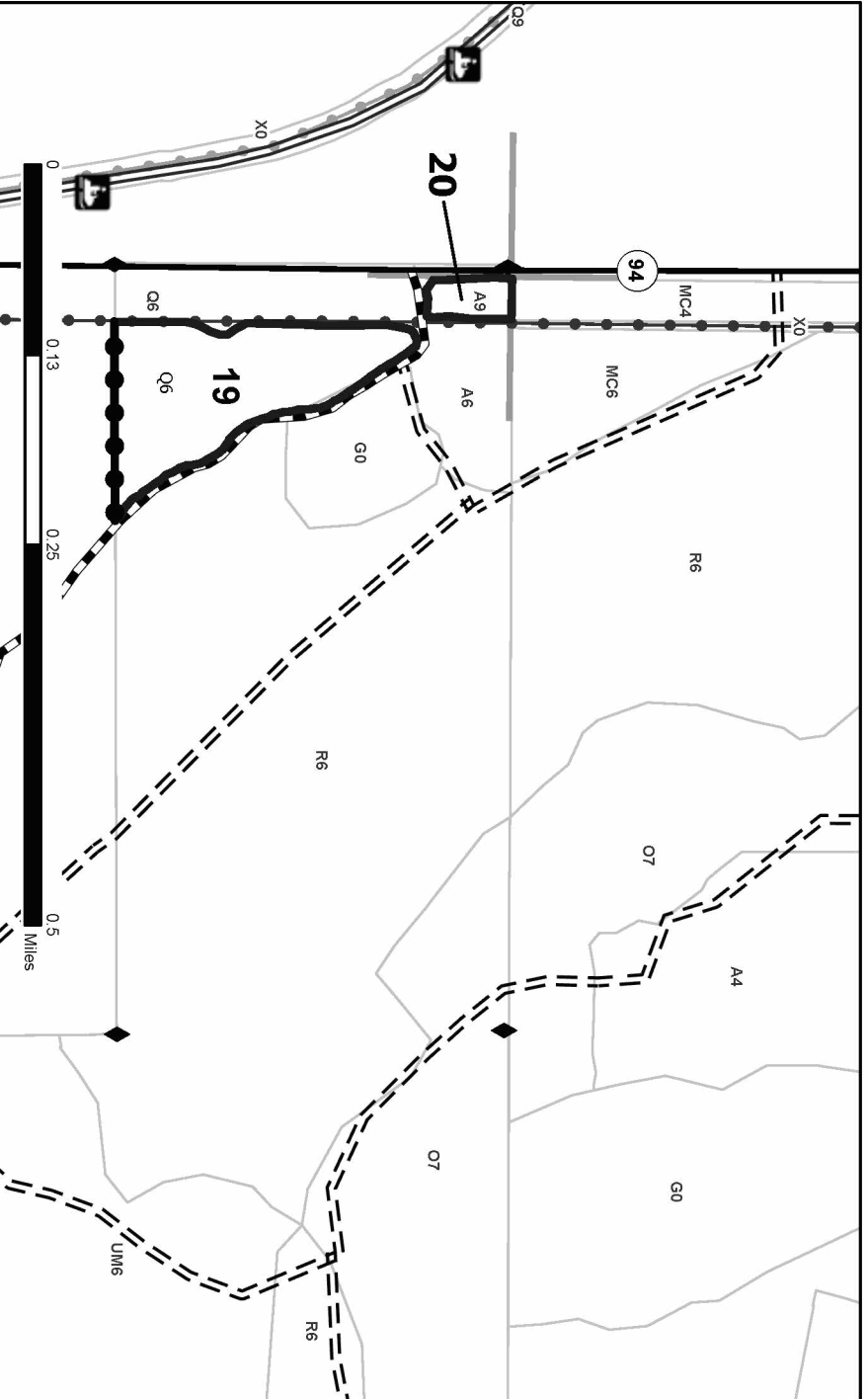
Blue Skies Red Pine

Mix

268.7 Acres



| PU # | Acres | PU # | Acres | PU # | Acres |
|------|-------|------|-------|------|-------|
| 1 | 11.4 | 6 | 16.9 | 11 | 17.5 |
| 2 | 11 | 7 | 25.9 | 12 | 1.3 |
| 3 | 12.1 | 8 | 24.5 | 13 | 7.5 |
| 4 | 20.8 | 9 | 10.7 | 14 | 3.8 |
| 5 | 19.9 | 10 | 17.6 | 15 | 35.7 |
| | | | | 20 | 0.9 |



Legend

- Against State (Red)
- Stand
- Private Line (Blue)
- Recreational Trail
- Highway
- Powerline
- Primary Forest Road
- Forest Access Route
- Administrative Access Only
- Paved Road
- Government Gravel/Dirt
- Private Gravel/Dirt
- Survey Grade Corner
- MIRIS Section Corner

Use QR Code to open Map in App

