



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7495**

SCHEDULED SALE DATE AND TIME: **4:00 p.m. (local time) on December 12, 2024.**

LOCATION: **TRAVERSE CITY MGMT UNIT, 2122 M 37 SOUTH, TRAVERSE CITY, MI 49685.**

CONTACT NAME: Matthew Edison

PHONE NUMBER: (906) 291-0095

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

Aylsworth Mix (61-033-24) / T26N, R14W, SEC. 32, E1/2SW.

T26N, R14W, SEC. 33, W1/2SW.

T26N, R14W, SEC. 35, W1/2SW.

Benzie County, Advertised Price \$62,854.80, 99.4 Acres, Aspen, Spruce/Fir/Tamarack.

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

Aylsworth Mix (61-033-24)

T26N, R14W, SEC. 32; T26N, R14W, SEC. 33; T26N, R14W, SEC. 35.

Benzie County (Advertised Price \$62,854.80)

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 | | |
| Basswood | 30.1 MBF | \$ 120.00 / MBF |
| Beech | 9.8 MBF | \$ 167.00 / MBF |
| Black Cherry | 4.7 MBF | \$ 155.00 / MBF |
| Mixed Aspen | 125.8 MBF | \$ 131.00 / MBF |
| Red Maple | 11.0 MBF | \$ 124.00 / MBF |
| Sugar Maple | 3.3 MBF | \$ 322.00 / MBF |
| White Pine | 13.7 MBF | \$ 81.00 / MBF |
| White Spruce | 121.3 MBF | \$ 59.00 / MBF |
| Pulpwood | | |
| Basswood | 105 Cords | \$ 11.45 / Cord |
| Mixed Aspen | 368 Cords | \$ 21.15 / Cord |
| Mixed Hardwood | 240 Cords | \$ 20.65 / Cord |
| White Pine | 59 Cords | \$ 24.65 / Cord |
| White Spruce | 1,223 Cords | \$ 11.70 / Cord |

* The total volume is statistically estimated within plus (+) or minus (-) 12.58 percent. There are an estimated 2,744 cords on this timber sale, plus or minus 345 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 \$3,142.74 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 | 14.5% |
| 02 | 10.9% |
| 03 | 33.4% |
| 04 | 24.9% |
| 05 | 16.3% |

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2027.

SALE STATISTICS

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

| VOLUME | | | STATISTICAL RANGE IN CORDS | |
|------------------|-------------|---------------|----------------------------|---------|
| TOTAL CUBIC FEET | TOTAL CORDS | PERCENT ERROR | MINIMUM | MAXIMUM |
| 216,795 | 2,744 | 12.58% | 2,399 | 3,090 |

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 |
| 11 | 22,755 | 288 | 31.12% | 198 | 378 |
| 18 | 115,567 | 1,463 | 18.80% | 1,188 | 1,738 |
| 22 | 22,173 | 281 | 34.57% | 184 | 378 |
| 46 | 36,219 | 458 | 25.94% | 340 | 577 |
| 61 | 20,082 | 254 | 53.08% | 119 | 389 |
| TOTAL: | 216,795 | 2,744 | | 2,029 | 3,460 |

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 |
|---------------|-------------|----|-------------|
| 11 | 25.6 | 1 | 25.6 |
| 18 | 34.5 | 3 | 34.5 |
| 22 | 17.9 | 2 | 17.9 |
| 46 | 15.5 | 4 | 15.5 |
| 61 | 5.9 | 5 | 5.9 |
| TOTAL: | 99.4 | | 99.4 |

DESCRIPTION OF TIMBER BY PU (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|----|----------------------|-----------|----------|--------------|-------|-----------------|
| 1 | Basswood | Sawtimber | 18.2 | MBF | 25.6 | \$9,098.65 |
| | Beech | | 9.8 | MBF | | |
| | Black Cherry | | 2.1 | MBF | | |
| | Sugar Maple | | 3.3 | MBF | | |
| | Basswood | Pulpwood | 51 | Cords | | |
| | Mixed Aspen | | 4 | Cords | | |
| | <i>Quaking Aspen</i> | | 4 | <i>Cords</i> | | |
| | Mixed Hardwood | | 156 | Cords | | |
| | <i>Beech</i> | | 17 | <i>Cords</i> | | |
| | <i>Black Cherry</i> | | 26 | <i>Cords</i> | | |
| | <i>Ironwood</i> | | 28 | <i>Cords</i> | | |
| | <i>Red Maple</i> | | 3 | <i>Cords</i> | | |
| | <i>Sugar Maple</i> | | 82 | <i>Cords</i> | | |
| 2 | Basswood | Sawtimber | 11.9 | MBF | 17.9 | \$6,855.65 |
| | Black Cherry | | 2.6 | MBF | | |
| | Mixed Aspen | | 2.7 | MBF | | |
| | <i>B. T. Aspen</i> | | 2.3 | <i>MBF</i> | | |
| | <i>Quaking Aspen</i> | Pulpwood | 0.4 | <i>MBF</i> | | |
| | Red Maple | | 6.8 | MBF | | |
| | White Pine | | 2.2 | MBF | | |
| | White Spruce | | 1.8 | MBF | | |
| | Basswood | | 54 | Cords | | |
| | Mixed Aspen | | 44 | Cords | | |
| | <i>B. T. Aspen</i> | | 21 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 23 | <i>Cords</i> | | |
| | Mixed Hardwood | | 67 | Cords | | |
| | <i>American Elm</i> | | 3 | <i>Cords</i> | | |
| | <i>Black Cherry</i> | | 12 | <i>Cords</i> | | |
| | <i>Ironwood</i> | | 4 | <i>Cords</i> | | |
| | <i>Red Maple</i> | | 48 | <i>Cords</i> | | |
| | White Pine | | 2 | Cords | | |
| | White Spruce | | 48 | Cords | | |
| 3 | White Pine | Sawtimber | 2.8 | MBF | 34.5 | \$21,049.45 |
| | White Spruce | Pulpwood | 119.5 | MBF | | |
| | White Pine | | 1 | Cords | | |
| | White Spruce | | 1,175 | Cords | | |
| 4 | Mixed Aspen | Sawtimber | 67.4 | MBF | 15.5 | \$15,629.45 |
| | <i>B. T. Aspen</i> | | 60.2 | <i>MBF</i> | | |
| | <i>Quaking Aspen</i> | | 7.2 | <i>MBF</i> | | |
| | White Pine | | 8.7 | MBF | | |
| | Mixed Aspen | Pulpwood | 220 | Cords | | |
| | <i>B. T. Aspen</i> | | 194 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 26 | <i>Cords</i> | | |
| | Mixed Hardwood | | 3 | Cords | | |
| | <i>Ironwood</i> | | 3 | <i>Cords</i> | | |
| | White Pine | | 56 | Cords | | |
| 5 | Mixed Aspen | Sawtimber | 55.7 | MBF | 5.9 | \$10,221.60 |
| | <i>B. T. Aspen</i> | | 48.0 | <i>MBF</i> | | |
| | <i>Quaking Aspen</i> | | 7.7 | <i>MBF</i> | | |
| | Red Maple | | 4.2 | MBF | | |
| | Mixed Aspen | Pulpwood | 100 | Cords | | |
| | <i>B. T. Aspen</i> | | 65 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 35 | <i>Cords</i> | | |
| | Mixed Hardwood | | 14 | Cords | | |
| | <i>Ironwood</i> | | 6 | <i>Cords</i> | | |

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

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|---------|--------------|----------|----------|-------|-------|-----------------|
| 5 con't | Red Maple | Pulpwood | 8 | Cords | | |
| TOTAL: | | | 319.7 | MBF | | |
| TOTAL: | | | 1,995 | Cords | | |

Sale Specific Conditions & Requirements

Sale Name: Aylsworth Mix

Sale Number: 61-033-24 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 and red paint, as well as roads. Exterior sale boundary lines against private property are marked with blue paint, with the exception of the western portion of Payment Unit 2 which is unpainted and designated by Zimmerman Road and the western portions of Payment Units 4 and 5 which are unpainted and designated by Weldon Road. 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 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) 3 and 5, cut all trees that are one (1) inch or more at DBH, regardless of merchantability. In addition, within Payment Unit 5, do not cut any sugar maple and do not cut any white pine that are 10.6 inches or more at DBH.

2.1.3 - Cut tree marked unit(s) (12/08)

Within Payment Unit(s) 1, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, all ironwood and aspen is designated for cutting, regardless of merchantability.

2.1.5 - Overstory removal unit(s) (8/11)

Within Payment Unit(s) 4, all aspen and ironwood that are two (2) inches or more at DBH, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting. In addition, white pine trees that are marked with orange paint are designated for cutting, regardless of merchantability. Protect advanced regeneration as much as possible during cutting operations.

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

Within Payment Unit(s) 2, all trees, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except do not cut trees marked with green paint above and below stump height. Protect advanced regeneration as much as possible during cutting operations.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

Payment Unit 3 must be chip harvested to facilitate subsequent planting operations. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portion of the trees must be chipped and hauled.

2.2.3 - Stump heights (4/07)

Stump heights within Payment Unit 3 shall not exceed 6 inches for all trees. This is in order to facilitate planting operations.

4 - Transportation

4.1 - Construction

4.1.7 - Road closure (10/11)

Any driveways built into the sale must be blocked to vehicle traffic upon completion of the sale. 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. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. These stumps must be scattered along the road system to prohibit vehicular movement. Contact the Sale Administrator for specific details of design and placement.

4.1.12 - No new roads (1/12)

No new roads will be permitted in any Payment Unit. All operations are limited to existing roads. Skid trails or small

driveways off of road 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 to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 3 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

5.2.1.1 - Slash within sale area (9/16)

No trees are to be felled outside the sale area and all slash is to be kept at least 10 feet back from the red and blue paint line. If sale boundary lines are along a public road or highway, then slash must be removed 50' from these lines per General Condition & Requirement 5.2.1.

5.2.3 - Operating Restrictions

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1 and 2, 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.

5.2.38 - 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)

The Betsie Valley Trail is a snowmobile trail and is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. The snowmobile trail may not be used for any timber sale operations, including skidding across the trail.

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 access roads prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Betsie Valley Trail prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail 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 61-033-24 | Date 07/23/2024 | |
| Scale 1:10,000 | Page 1 | Of 2 |

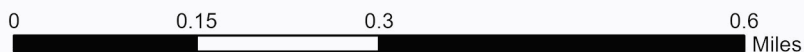
| | | | |
|------------------------|--------------|---|--------------------------|
| Forest Management Unit | | County | Mapped By: Melina Hurin |
| Traverse City Mgt Unit | | Benzie | Cruised By: Melina Hurin |
| Township 26N | Range 14W | Section(s) and Subdivision(s) Sec. 32 E1/2SW; Sec. 33 W1/2SW; Sec. 35 W1/2SW; | |

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 | | |

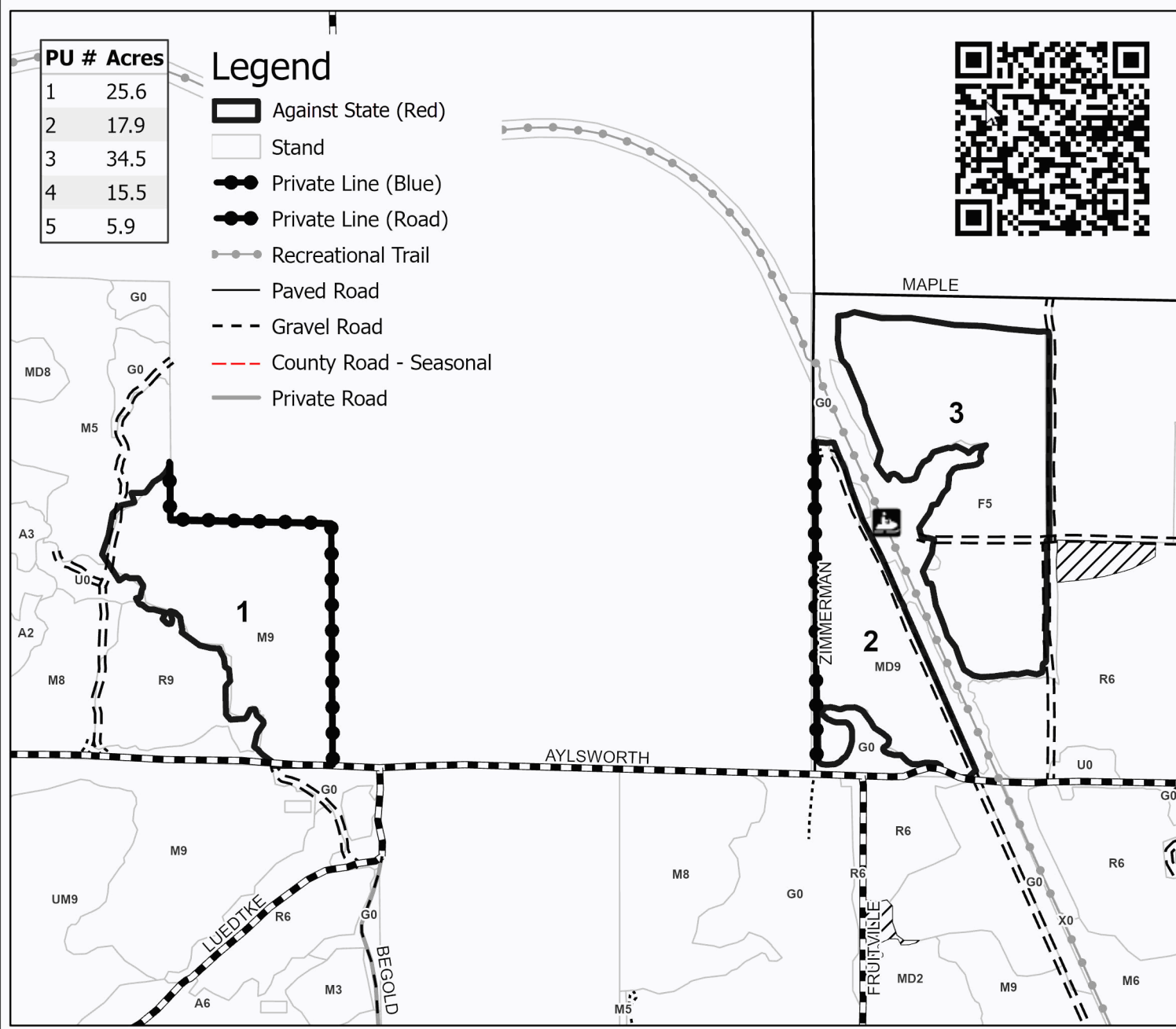
Density

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



Aylsworth Mix

99.4 Acres





TIMBER SALE MAP

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

Sale Number
61-033-24

Date
07/23/2024

Forest Management Unit

County

Mapped By: Melina Hurin

Scale

Page

Of

Traverse City Mgt Unit

Benzie

Cruised By: Melina Hurin

1:5,000

2

2

Township

Range

Section(s) and

26N

14W

Subdivision(s) Sec. 32 E1/2SW; Sec. 33 W1/2SW; Sec. 35 W1/2SW;

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 |
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| F = Spruce/Fir | MC = Mixed Conifer | T = Tamarack | Y = Sand |
| G = Grass | MD = Mixed Deciduous | | Z = Water |
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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 |

0 0.07 0.15 0.3 Miles



Aylsworth Mix

99.4 Acres

PU # Acres

| | |
|---|------|
| 1 | 25.6 |
| 2 | 17.9 |
| 3 | 34.5 |
| 4 | 15.5 |
| 5 | 5.9 |

Legend

- Against State (Red)
- Stand
- Private Line (Blue)
- Private Line (Road)
- Recreational Trail
- Paved Road
- Gravel Road
- County Road - Seasonal

