



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7319**

SCHEDULED SALE DATE AND TIME: 4:00 p.m. (local time) on March 14, 2024.

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

CONTACT NAME: Patrick Cotant

PHONE NUMBER: (231) 649-0544

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:

Western State (61-039-23) / T26N, R14W, SEC. 11, S1/2NW,NE,NWSW.
T26N, R14W, SEC. 2 , SWSE.

Benzie County, Advertised Price \$56,011.10, 49.7 Acres, Aspen, Hardwood.

SALE NOTE: Marked hardwood thinnings and aspen clear-cuts.

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

Western State (61-039-23)

T26N, R14W, SEC. 11; T26N, R14W, SEC. 2.

Benzie County (Advertised Price \$56,011.10)

SALE NOTE: Marked hardwood thinnings and aspen clear-cuts.

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 | | |
| B. T. Aspen | 111.1 MBF | \$ 147.00 / MBF |
| Beech | 6.5 MBF | \$ 152.00 / MBF |
| Black Cherry | 17.9 MBF | \$ 168.00 / MBF |
| Red Maple | 69.6 MBF | \$ 146.00 / MBF |
| Sugar Maple | 59.1 MBF | \$ 223.00 / MBF |
| White Pine | 27.6 MBF | \$ 93.00 / MBF |
| Pulpwood | | |
| B. T. Aspen | 177 Cords | \$ 20.90 / Cord |
| Mixed Hardwood | 165 Cords | \$ 20.95 / Cord |
| Red Maple | 91 Cords | \$ 20.95 / Cord |
| White Pine | 28 Cords | \$ 25.50 / Cord |

* The total volume is statistically estimated within plus (+) or minus (-) 42.40 percent. There are an estimated 1,144 cords on this timber sale, plus or minus 485 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 \$2,800.56 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 | 16.7% |
| 02 | 13.9% |
| 03 | 54.3% |
| 04 | 15.1% |

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

5. Operations on the contract issued will terminate on 06/30/2026.

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.

| <u>VOLUME</u> | | <u>STATISTICAL RANGE IN CORDS</u> | | |
|-------------------------|--------------------|-----------------------------------|----------------|----------------|
| <u>TOTAL CUBIC FEET</u> | <u>TOTAL CORDS</u> | <u>PERCENT ERROR</u> | <u>MINIMUM</u> | <u>MAXIMUM</u> |
| 90,343 | 1,144 | 42.40% | 659 | 1,629 |

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 |
| 80 | 13,075 | 166 | 42.22% | 96 | 235 |
| 88 | 17,048 | 216 | 42.36% | 124 | 307 |
| 95 | 12,480 | 158 | 70.36% | 47 | 269 |
| 105 | 47,740 | 604 | 46.36% | 324 | 884 |
| TOTAL: | 90,343 | 1,144 | | 591 | 1,696 |

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 |
|--------|-----------|----|----------|
| 80 | 18.2 | 4 | 18.2 |
| 88 | 13.6 | 1 | 13.6 |
| 95 | 4.5 | 2 | 4.5 |
| 105 | 13.4 | 3 | 13.4 |
| TOTAL: | 49.7 | | 49.7 |

DESCRIPTION OF TIMBER BY PU (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|----------------|----------------|-----------|-------------|-----------|-------|-----------------|
| 1 | B. T. Aspen | Sawtimber | 7.5 | MBF | 13.6 | \$9,377.20 |
| | Black Cherry | | 9.9 | MBF | | |
| | Red Maple | | 10.9 | MBF | | |
| | Sugar Maple | | 5.1 | MBF | | |
| | White Pine | | 21.3 | MBF | | |
| | B. T. Aspen | Pulpwood | 17 | Cords | | |
| | Mixed Hardwood | | 31 | Cords | | |
| | Beech | | 8 | Cords | | |
| | Black Cherry | | 20 | Cords | | |
| | Sugar Maple | | 3 | Cords | | |
| | Red Maple | | 27 | Cords | | |
| | White Pine | | 13 | Cords | | |
| 2 | B. T. Aspen | Sawtimber | 14.5 | MBF | 4.5 | \$7,806.20 |
| | Black Cherry | | 3.0 | MBF | | |
| | Red Maple | | 9.6 | MBF | | |
| | Sugar Maple | | 9.7 | MBF | | |
| | White Pine | | 1.1 | MBF | | |
| | B. T. Aspen | Pulpwood | 20 | Cords | | |
| | Mixed Hardwood | | 30 | Cords | | |
| | Black Cherry | | 2 | Cords | | |
| | Sugar Maple | | 28 | Cords | | |
| | Red Maple | | 6 | Cords | | |
| | White Pine | | 13 | Cords | | |
| | 3 | | B. T. Aspen | Sawtimber | | |
| Red Maple | | 26.4 | MBF | | | |
| Sugar Maple | | Pulpwood | 36.8 | MBF | | |
| B. T. Aspen | | | 140 | Cords | | |
| Mixed Hardwood | | | 77 | Cords | | |
| Beech | | | 7 | Cords | | |
| Sugar Maple | | | 70 | Cords | | |
| Red Maple | | | 31 | Cords | | |
| 4 | Beech | Sawtimber | 6.5 | MBF | 18.2 | \$8,480.60 |
| | Black Cherry | | 5.0 | MBF | | |
| | Red Maple | | 22.7 | MBF | | |
| | Sugar Maple | | 7.5 | MBF | | |
| | White Pine | | 5.2 | MBF | | |
| | Mixed Hardwood | Pulpwood | 27 | Cords | | |
| | Beech | | 10 | Cords | | |
| | Black Cherry | | 6 | Cords | | |
| | Sugar Maple | | 11 | Cords | | |
| | Red Maple | | 27 | Cords | | |
| | White Pine | | 2 | Cords | | |
| | TOTAL: | | | 291.8 | | |
| TOTAL: | | | 461 | Cords | | |

Sale Specific Conditions & Requirements

Sale Name: Western State

Sale Number: 61-039-23 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. 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 one (1) inch or more at DBH, except do not cut any trees marked with green paint at and below breast 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.

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

Within Payment Unit(s) 1 & 4, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. Additionally, harvest all merchantable beech and ironwood, unless marked with green paint at and below breast height. Harvest any un-merchantable ironwood, as necessary to facilitate logging operations.

2.2 - Utilization

2.2.4 - Skidding length (2/14)

Within Payment Units 1 & 4, skidding of unlimbed tops or lengths over 17 feet is not permissible, unless approved by the Unit Manager or his/her representative.

3 - Payments

3.4 - Damaged Timber

3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are marked with green paint. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$50 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

4 - Transportation

4.1 - Construction

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

The following road work is required: to access Payment Unit 2, a temporary access road will need to be opened up from State Road to the west, along the northern edge of the private property line. An old road is located there, but does not reach the Payment Unit. This temporary access road must be rendered impassable to cars and trucks after the Payment Unit is complete. Stumps must be scattered along the road system to prohibit vehicular movement.

4.1.12 - No new roads (1/12)

No new roads will be permitted in Payment Units 1-3. All operations are limited to existing roads. Skid trails only will be allowed.

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.

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 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 3 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 tree tops may exceed 30 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

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1 & 4, 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.

5.2.4 - Dead and Down Creation

5.2.4.6 - Dead and down creation, other (9/09)

To create grouse habitat, within Payment Unit 3, all trees marked with an orange 'X' will be cut at breast height and left with the upper part of the tree touching the stump. These are for drumming logs. If a clump of trees is marked, the clump should be cut and left in a pile. The slash height requirement does not apply to these drumming logs and the tops should be left intact.

To create grouse habitat, within Payment Unit 2, one tree per acre (maple where available) must be cut at least 4.5' (feet) above ground level and left on site and not utilized. These trees must have a DBH over 7" (inches) and are to be felled and left within 3' (feet) of the stump. Four trees scattered around in the Payment Unit will be sufficient.

5.2.29 - Shrub protection (1/20)

Do not cut or damage hawthorn, witch-hazel, dogwood or junberry. These woody-shrub plants are highly beneficial to various wildlife species.

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 snowmobile trail 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. The road maintenance/restoration must be done prior to December 1. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1. 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.

5.4 - 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

5.8.3 - 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 March 15 to July 15 (NLP). 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

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the adjacent county & state forest 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 the snowmobile 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 | Year |
|-------------|---------|
| 61-039 | 23 |
| Date | Page of |
| 09/30/2023 | 1 of 1 |

| Forest Management Unit | County | Mapped By | Cruised By |
|------------------------|--------|-------------------------------------|------------|
| Traverse City | Benzie | Ruppen | Ventmiglia |
| Township | Range | Section(s) and Subdivision(s) | Scale |
| 26N | 14W | Sec 2 SWSE // Sec 11 S1/2NW,NE,NWSW | 1:15,840 |

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

| PU | Acres | PU | Acres |
|----|-------|----|-------|
| 1 | 13.6 | 4 | 18.2 |
| 2 | 4.5 | | |
| 3 | 13.4 | | |

Western State
Compartment 14
49.7 Acres

