



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7487**

SCHEDULED SALE DATE AND TIME: **10:00 a.m. (local time) on October 7, 2024.**

LOCATION: **SE REGION-WILD, 3580 STATE PARK DRIVE, BAY CITY, MI 48706.**

CONTACT NAME: Don Bonnette

PHONE NUMBER: (989) 385-5616

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 Game Area Manager, CASS CITY FIELD OFFICE, for certain timber on the following described lands:

Powerline Aspen (55-150-24) / T12N, R10E, SEC. 1, S1/2NW, NESW, NWSE, S1/2SE.
Tuscola County, Advertised Price \$29,169.55, 51.4 Acres, Aspen, Hardwood.

SALE NOTE: Access may be through other public land.

TIMBER SALE INFORMATION

Powerline Aspen (55-150-24)

T12N, R10E, SEC. 1.

Tuscola County (Advertised Price \$29,169.55)

SALE NOTE: Access may be through other public land.

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 | 16.5 MBF | \$ 60.00 / MBF |
| Mixed Aspen | 298.0 MBF | \$ 33.00 / MBF |
| Red Maple | 156.9 MBF | \$ 38.00 / MBF |
| Pulpwood | | |
| Mixed Aspen | 364 Cords | \$ 12.00 / Cord |
| Mixed Hardwood | 151 Cords | \$ 14.25 / Cord |
| Red Maple | 428 Cords | \$ 13.70 / Cord |

* The total volume is statistically estimated within plus (+) or minus (-) 17.77 percent. There are an estimated 2,052 cords on this timber sale, plus or minus 365 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 \$1,458.48 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 | 56.9% |
| 02 | 25.4% |
| 03 | 17.7% |
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2026.

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 |
| 162,114 | 2,052 | 17.77% | 1,687 | 2,417 |

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.

| VDU | VOLUME | | PERCENT ERROR | RANGE IN CORDS | |
|---------------|------------------|--------------|---------------|----------------|--------------|
| | TOTAL CUBIC FEET | TOTAL CORDS | | MINIMUM | MAXIMUM |
| 1 | 132,114 | 1,672 | 20.78% | 1,325 | 2,020 |
| 3 | 30,000 | 380 | 31.94% | 258 | 501 |
| TOTAL: | 162,114 | 2,052 | | 1,583 | 2,521 |

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 | 44.1 | 1 | 30.5 |
| | | 2 | 13.6 |
| 3 | 7.3 | 3 | 7.3 |
| TOTAL: | 51.4 | | 51.4 |

DESCRIPTION OF TIMBER BY PU (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE | |
|-----------|----------------------|-----------|-----------|-------|-------|-----------------|-------|
| 1 | Black Cherry | Sawtimber | 11.4 | MBF | 30.5 | \$16,614.10 | |
| | Mixed Aspen | | 132.6 | MBF | | | |
| | <i>B. T. Aspen</i> | | 116.8 | MBF | | | |
| | <i>Balsam Poplar</i> | | 1.3 | MBF | | | |
| | <i>Cottonwood</i> | | 2.1 | MBF | | | |
| | <i>Quaking Aspen</i> | | 12.4 | MBF | | | |
| | Red Maple | | 106.6 | MBF | | | |
| | Mixed Aspen | | Pulpwood | 194 | | | Cords |
| | <i>B. T. Aspen</i> | | | 137 | | | Cords |
| | <i>Balsam Poplar</i> | | | 1 | | | Cords |
| | <i>Cottonwood</i> | 3 | | Cords | | | |
| | <i>Quaking Aspen</i> | 53 | | Cords | | | |
| | Mixed Hardwood | 94 | | Cords | | | |
| | <i>Green Ash</i> | Sawtimber | | 1.7 | | | MBF |
| | <i>Silver Maple</i> | | | 5.9 | | | MBF |
| | <i>American Elm</i> | Pulpwood | | 6 | | | Cords |
| | <i>Black Cherry</i> | | | 39 | | | Cords |
| | <i>Green Ash</i> | | 15 | Cords | | | |
| | <i>Paper Birch</i> | | 13 | Cords | | | |
| | <i>Silver Maple</i> | | 6 | Cords | | | |
| Red Maple | 280 | Cords | | | | | |
| 2 | Black Cherry | Sawtimber | 5.1 | MBF | 13.6 | \$7,394.90 | |
| | Mixed Aspen | | 59.2 | MBF | | | |
| | <i>B. T. Aspen</i> | | 52.1 | MBF | | | |
| | <i>Balsam Poplar</i> | | 0.6 | MBF | | | |
| | <i>Cottonwood</i> | | 0.9 | MBF | | | |
| | <i>Quaking Aspen</i> | | 5.6 | MBF | | | |
| | Red Maple | | 47.6 | MBF | | | |
| | Mixed Aspen | | Pulpwood | 87 | | | Cords |
| | <i>B. T. Aspen</i> | | | 61 | | | Cords |
| | <i>Balsam Poplar</i> | | | 1 | | | Cords |
| | <i>Cottonwood</i> | 1 | | Cords | | | |
| | <i>Quaking Aspen</i> | 24 | | Cords | | | |
| | Mixed Hardwood | 40 | | Cords | | | |
| | <i>Green Ash</i> | Sawtimber | | 0.8 | | | MBF |
| | <i>Silver Maple</i> | | | 2.6 | | | MBF |
| | <i>American Elm</i> | Pulpwood | | 2 | | | Cords |
| | <i>Black Cherry</i> | | | 17 | | | Cords |
| | <i>Green Ash</i> | | 6 | Cords | | | |
| | <i>Paper Birch</i> | | 6 | Cords | | | |
| | <i>Silver Maple</i> | | 2 | Cords | | | |
| Red Maple | 125 | Cords | | | | | |
| 3 | Mixed Aspen | Sawtimber | 106.2 | MBF | 7.3 | \$5,160.55 | |
| | <i>B. T. Aspen</i> | | 106.2 | MBF | | | |
| | Red Maple | | 2.7 | MBF | | | |
| | Mixed Aspen | Pulpwood | 83 | Cords | | | |
| | <i>B. T. Aspen</i> | | 83 | Cords | | | |
| | Mixed Hardwood | | 17 | Cords | | | |
| | <i>Green Ash</i> | | Sawtimber | 2.9 | | | MBF |
| | <i>Sugar Maple</i> | | | 2.2 | | | MBF |
| | <i>Green Ash</i> | | Pulpwood | 2 | | | Cords |
| | <i>Sugar Maple</i> | | | 5 | | | Cords |
| Red Maple | 23 | Cords | | | | | |
| TOTAL: | | | 471.4 | MBF | | | |

| | |
|--------|-----------|
| TOTAL: | 943 Cords |
|--------|-----------|

Sale Specific Conditions & Requirements

Sale Name: Powerline Aspen

Sale Number: 55-150-24 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. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

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 white pine, oak, hickory, beech, juneberry and apple.

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 the Sale Area shall not exceed 6 inches for all trees.

2.2.6 - Roundwood operation required (3/21)

The skidding of whole trees or tree segments with limbs attached is prohibited. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

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 oak, apple, white pine, juneberry and hickory. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$200 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

3.6 - Payment Unit Cutting Schedule

3.6.2 - One active unit (12/08)

Each Payment Unit must be completed to the satisfaction of the Unit Manager or his/her representative before the next unit may be opened. The Purchaser must give 3 days notice before finishing a unit to allow for inspection.

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.

4.1.11 - Permits (2/12)

The Purchaser will secure any necessary driveway permits that may be required.

4.1.12 - No new roads (1/12)

No new roads will be permitted in any Payment Unit. Skid trails only will be allowed.

4.2 - Maintenance

4.2.3 - Road maintenance (8/13)

The following road maintenance is required if the Purchaser chooses to use the road along the powerline ROW west of the corner of Dodge Road and Gilford Road: Within 30 days of completion of hauling, or if no hauling occurs for 10 days, the road must be maintained and graded. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary.

Damages will be assessed if grading/repair does not occur.

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.

4.4 - Access

4.4.3 - Access gate (12/08)

The access gate at the corner of Dodge Road and Mushroom Road must be locked at the completion of each day.

4.4.4 - Restricted access (10/05)

Any gates, berms, vehicle barriers, posts etc. removed during harvesting operations must be replaced in their original location and condition. Any damage to gates, posts, vehicle barriers is the responsibility of the Purchaser.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference between the Purchaser and sale administrator is required prior to beginning any operations to determine landing and road locations.

5.1.6 - Utility R.O.W. (4/19)

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the powerline R.O.W. for operations.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 24 inches in height.

5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in openings which are indicated by G0 or U0 on the Timber Sale Map. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation, the Sale Area shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered to the point that ground is easily visible through slash. Compacted layers of slash are strictly prohibited.

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. All standing dead trees (snags) must be protected and left standing.

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1-3, cutting, skidding, and hauling are not permitted from March 10 to July 15. This restriction is required to eliminate disturbance to breeding and nesting wildlife and protect poorly drained soils found throughout the Sale Area.

5.2.3.2 - Operating restrictions (9/11)

Within Payment Unit(s) 1-3, no operating feller bunchers before 7 AM and after 9 PM. This restriction is necessary due to the close proximity of residences to the Sale Area.

5.2.3.12 - Hunting operating restriction (1/18)

No Payment Unit may be started during the period of September 25 to November 10 without permission of the Unit Manager or his/her representative. All cutting, skidding and hauling is prohibited from November 10 to November 30.

5.2.31 - Landing locations (9/13)

Landing locations will be determined in the pre-sale conference. Landings must be confined to these designated sites unless otherwise authorized by the Unit Manager or his/her representative. In general, landings are limited to a "T" turnaround which will accommodate a truck with a 50-foot trailer.

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.

5.2.37 - No decking areas (12/08)

No decking is allowed within any designated parking area. Equipment may not be stored in any designated parking area.

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, skid trails or within the sale area 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.

5.4.2 - Skid trails (2/04)

Skid trails up and down slopes should be avoided. If however this is unavoidable, these trails will be left in a non-erodible condition using water bars, logs, and slash. Placing of slash on these skid trails while logging is ongoing may alleviate need for any further action. At the direction of the sale administrator, seed, fertilizer, and mulch may also be required.

7 - Other Conditions

7.10 - Certified Timber

7.10.1 - Non-certified timber (2/16)

The area encompassed by this timber sale is not certified to the standards of the Forest Stewardship Council (FSC) or the Sustainable Forestry Initiative (SFI). Forest products from this sale may not be delivered to the mill as "FSC and / or SFI certified". The lands within this sale are managed as a State Game Area.



TIMBER SALE MAP

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

Sale Number
55-150-24

Date
07/30/2024

Forest Management Unit
Cass City Field Office

County
Tuscola

Mapped By: Bonnette

Cruised By: Bonnette

Scale
1:15,840

Page
1

Of
1

Township 12N Range 10E Section(s) and Subdivision(s) Sec. 1 S1/2NW,NESW,NWSE,S1/2SE;

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 = 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 | 30.5 |
| 2 | 13.6 |
| 3 | 7.3 |



Powerline Aspen

51.4 Acres

Legend

- Against State (Red)
- Stand
- Payment Unit (Yellow)
- Private Line (Blue)
- Primary Forest Road
- Forest Access Route
- Administrative Access Only
- Paved Road
- Government Gravel/Dirt
- Private Gravel/Dirt

