



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7418**

SCHEDULED SALE DATE AND TIME: 3:00 p.m. (local time) on May 10, 2024.

LOCATION: ESCANABA MGMT UNIT, 6833 HWY'S 2, 41 & M-35, GLADSTONE, MI 49837.

CONTACT NAME: Eric Thompson

PHONE NUMBER: (906) 789-8231

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

Two Section Aspen (12-001-24) / T40N, R29W, SEC. 14, SWNW.

T40N, R29W, SEC. 15, SWNW,NWSW.

T40N, R29W, SEC. 16, SENE.

T40N, R29W, SEC. 17, S1/2NE,N1/2SE.

Dickinson County, Advertised Price \$19,879.55, 53.5 Acres, Aspen, Hardwood.

SALE NOTE: Payment Unit 2 is an optional unit. If it is cut it will be scaled. The access to Payment Unit 2 is through private property.

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. Access may be through private land.

TIMBER SALE INFORMATION

Two Section Aspen (12-001-24)

T40N, R29W, SEC. 14; T40N, R29W, SEC. 15; T40N, R29W, SEC. 16; T40N, R29W, SEC. 17.

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A timber sale contract for this mixed, 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 | 4.0 MBF | \$ 96.00 / MBF |
| Paper Birch | 1.9 MBF | \$ 170.00 / MBF |
| Sugar Maple | 3.2 MBF | \$ 198.00 / MBF |
| Pulpwood | | |
| Balsam Fir | 53 Cords | \$ 6.40 / Cord |
| Basswood | 9 Cords | \$ 7.70 / Cord |
| Mixed Aspen | 651 Cords | \$ 21.85 / Cord |
| Mixed Hardwood | 237 Cords | \$ 11.65 / Cord |
| Mixed Spruce | 35 Cords | \$ 14.85 / Cord |
| Paper Birch | 16 Cords | \$ 3.25 / Cord |
| Tamarack | 117 Cords | \$ 4.90 / Cord |

* The total volume is statistically estimated within plus (+) or minus (-) 32.08 percent. There are an estimated 1,139 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 \$1,987.96 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 | 50.1% |
| 02 | 3.6% |
| 03 | 46.3% |

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 | | PERCENT ERROR | STATISTICAL RANGE IN CORDS | |
|------------------|-------------|---------------|----------------------------|---------|
| TOTAL CUBIC FEET | TOTAL CORDS | | MINIMUM | MAXIMUM |
| 89,983 | 1,139 | 32.08% | 774 | 1,504 |

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 |
| 9 | 37,496 | 475 | 24.72% | 357 | 592 |
| 24 | 10,019 | 127 | 46.80% | 67 | 186 |
| 32 | 42,468 | 538 | 28.70% | 383 | 692 |
| TOTAL: | 89,983 | 1,139 | | 808 | 1,470 |

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 |
|---------------|-------------|----|-------------|
| 9 | 19.0 | 3 | 19.0 |
| 24 | 14.2 | 2 | 14.2 |
| 32 | 20.3 | 1 | 20.3 |
| TOTAL: | 53.5 | | 53.5 |

DESCRIPTION OF TIMBER BY PU (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|--------|----------------|-----------|----------|-------|-------|-----------------|
| 1 | Basswood | Sawtimber | 1.1 | MBF | 20.3 | \$9,948.30 |
| | Paper Birch | | 1.9 | MBF | | |
| | Sugar Maple | | 1.1 | MBF | | |
| | Balsam Fir | Pulpwood | 29 | Cords | | |
| | Basswood | | 7 | Cords | | |
| | Mixed Aspen | | 335 | Cords | | |
| | Balsam Poplar | | 26 | Cords | | |
| | Quaking Aspen | | 309 | Cords | | |
| | Mixed Hardwood | | 126 | Cords | | |
| | Red Maple | Sawtimber | 0.9 | MBF | | |
| | Red Maple | Pulpwood | 50 | Cords | | |
| | Sugar Maple | | 74 | Cords | | |
| | Mixed Spruce | | 15 | Cords | | |
| | White Spruce | | 15 | Cords | | |
| | Paper Birch | | 16 | Cords | | |
| 2 | Mixed Spruce | Pulpwood | 10 | Cords | 14.2 | \$721.80 |
| | Black Spruce | | 10 | Cords | | |
| | Tamarack | | 117 | Cords | | |
| 3 | Basswood | Sawtimber | 2.9 | MBF | 19.0 | \$9,209.45 |
| | Sugar Maple | | 2.1 | MBF | | |
| | Balsam Fir | Pulpwood | 24 | Cords | | |
| | Basswood | | 2 | Cords | | |
| | Mixed Aspen | | 316 | Cords | | |
| | B. T. Aspen | | 55 | Cords | | |
| | Balsam Poplar | | 15 | Cords | | |
| | Quaking Aspen | | 246 | Cords | | |
| | Mixed Hardwood | | 111 | Cords | | |
| | Red Maple | | 12 | Cords | | |
| | Sugar Maple | | 99 | Cords | | |
| | Mixed Spruce | | 10 | Cords | | |
| | Black Spruce | | 3 | Cords | | |
| | White Spruce | | 7 | Cords | | |
| TOTAL: | | | 9.1 | MBF | | |
| TOTAL: | | | 1,118 | Cords | | |

Sale Specific Conditions & Requirements

Sale Name: Two Section Aspen

Sale Number: 12-001-24 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 red 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) 1-3, cut all trees that are two (2) inches or more at DBH, except do not cut any cedar. Additionally, the following exceptions apply:

- Within Payment Unit 1, do not cut hemlock, oak, or pine.
- Within Payment Unit 3, do not cut spruce or fir that are six (6) inches or less at DBH. In addition, do not cut any hemlock, oak, pine, paper birch, or black ash.

Payment Unit 2 is an optional Payment Unit. This Payment Unit will be scaled if it is cut.

4 - Transportation

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.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land is the responsibility of the Purchaser.

5 - Operations

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.

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 period of frozen ground only. This restriction is because of wet soils.

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.

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

There is an ORV trail or route shown on the Timber Sale Map. Trees with yellow ORV markers shall be cut off above the markers and at least 5 feet above ground. 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 or route as the centerline. Do not run equipment down the ORV trail or route. Skidding across the trail or route may only occur in locations approved by the Sale Administrator.

5.2.41 - Snowmobile trail protection (9/11)

Trail 115 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. 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. The snowmobile trail may not be used for any timber sale operations from December 1 to March 31. The snowmobile trail may only be crossed at right angles. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. All stumps within 20 feet of the snowmobile trail must be cut at ground level. In addition, any trees cut within 5 feet of the trail must have the stumps removed and be disposed of according to the direction of the Unit Manager or his/her representative.

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 Benton's Lake Road and Norway Truck Trail 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 Trail 115 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.

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 at appropriate distances 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 eastern larch borer in Payment Unit 2. 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
12-001-24

Date
02/28/2024

Forest Management Unit
Crystal Falls Mgt Unit

County
Dickinson

Mapped By: R Goupell
Cruised By: R Goupell

Scale
1:31,680

Page
1

Of
1

Township 40N Range 29W Section(s) and Subdivision(s) Sec. 14 SWNW; Sec. 15 SWNW,NWSW; Sec. 16 SENE; Sec. 17 S1/2NE,N1/2SE;

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 | | |

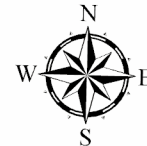
Density

| | |
|-----------------------------|------------------------|
| 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 | 20.3 |
| 2 | 14.2 |
| 3 | 19 |

Two Section Aspen 53.5 Acres

Use QR Code to open Map in App



Legend

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

0 0.5 1 2 Miles

