



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7519**

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on November 12, 2024.**

LOCATION: **ROSCOMMON MGMT UNIT, PO BOX 218, ROSCOMMON, MI 48653.**

CONTACT NAME: Jason Lewicki

PHONE NUMBER: (989) 745-5870

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

Crooked Aspen (71-027-24) / T22N, R02W, SEC. 27, NWNW,S1/2NW,NESW,S1/2SW,W1/2SE.

T22N, R02W, SEC. 28, NENW,NE.

T22N, R02W, SEC. 34, NWNE.

Roscommon County, Advertised Price \$163,419.55, 151.8 Acres, Aspen, Hardwood.

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

## Crooked Aspen (71-027-24)

T22N, R02W, SEC. 27; T22N, R02W, SEC. 28; T22N, R02W, SEC. 34.  
Roscommon County (Advertised Price \$163,419.55)

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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
<b>Sawtimber</b>		
Black/Red (Hybrid) Oak	42.8 MBF	\$ 132.00 / MBF
Mixed Aspen	493.1 MBF	\$ 92.00 / MBF
Paper Birch	5.7 MBF	\$ 63.00 / MBF
Red Maple	42.0 MBF	\$ 83.00 / MBF
Red Pine	2.0 MBF	\$ 126.00 / MBF
White Pine	33.8 MBF	\$ 84.00 / MBF
<b>Pulpwood</b>		
Balsam Fir	187 Cords	\$ 23.55 / Cord
Black/Red (Hybrid) Oak	308 Cords	\$ 23.70 / Cord
Jack Pine	33 Cords	\$ 11.95 / Cord
Mixed Aspen	2,067 Cords	\$ 38.30 / Cord
Mixed Hardwood	484 Cords	\$ 24.80 / Cord
Red Pine	3 Cords	\$ 50.45 / Cord
White Pine	50 Cords	\$ 41.00 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 17.25 percent. There are an estimated 4,587 cords on this timber sale, plus or minus 791 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 \$8,170.98 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	24.6%
02	25.4%
03	16.2%
04	33.8%
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
362,353	4,587	17.25%	3,795	5,378

## 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
116	277,099	3,508	20.77%	2,779	4,236
140	85,254	1,079	29.49%	761	1,397
<b>TOTAL:</b>	<b>362,353</b>	<b>4,587</b>		<b>3,540</b>	<b>5,633</b>

## 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
116	118.9	2	40.1
		3	25.6
		4	53.2
140	32.9	1	32.9
<b>TOTAL:</b>	<b>151.8</b>		<b>151.8</b>

**DESCRIPTION OF TIMBER BY PU (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black/Red (Hybrid	Sawtimber	7.4	MBF	32.9	\$40,253.00
	Mixed Aspen		61.8	MBF		
	<i>B. T. Aspen</i>		58.6	<i>MBF</i>		
	<i>Quaking Aspen</i>		3.2	<i>MBF</i>		
	Red Pine		2.0	MBF		
	White Pine		7.4	MBF		
	Balsam Fir	Pulpwood	51	Cords		
	<i>Balsam Fir</i>		51	<i>Cords</i>		
	Black/Red (Hybrid		30	Cords		
	Mixed Aspen		764	Cords		
	<i>B. T. Aspen</i>		378	<i>Cords</i>		
	<i>Quaking Aspen</i>		386	<i>Cords</i>		
	Mixed Hardwood		33	Cords		
	<i>Red Maple</i>		33	<i>Cords</i>		
	Red Pine		3	Cords		
	White Pine		14	Cords		
	2	Black/Red (Hybrid	Sawtimber	11.9		
Mixed Aspen			145.4	MBF		
<i>B. T. Aspen</i>			56.9	<i>MBF</i>		
<i>Quaking Aspen</i>			88.5	<i>MBF</i>		
Paper Birch			1.9	MBF		
Red Maple			14.2	MBF		
White Pine			8.9	MBF		
Balsam Fir		Pulpwood	46	Cords		
<i>Balsam Fir</i>		<i>Sawtimber</i>	3.3	<i>MBF</i>		
<i>Balsam Fir</i>		<i>Pulpwood</i>	39	<i>Cords</i>		
Black/Red (Hybrid			94	Cords		
Jack Pine			11	Cords		
Mixed Aspen			439	Cords		
<i>B. T. Aspen</i>			86	<i>Cords</i>		
<i>Quaking Aspen</i>			353	<i>Cords</i>		
Mixed Hardwood			152	Cords		
<i>Black Cherry</i>			24	<i>Cords</i>		
<i>Paper Birch</i>			2	<i>Cords</i>		
<i>Red Maple</i>			126	<i>Cords</i>		
White Pine			12	Cords		
3	Black/Red (Hybrid	Sawtimber	7.6	MBF	25.6	\$26,488.40
	Mixed Aspen		92.8	MBF		
	<i>B. T. Aspen</i>		36.3	<i>MBF</i>		
	<i>Quaking Aspen</i>		56.5	<i>MBF</i>		
	Paper Birch		1.2	MBF		
	Red Maple		9.0	MBF		
	White Pine		5.7	MBF		
	Balsam Fir	Pulpwood	29	Cords		
	<i>Balsam Fir</i>	<i>Sawtimber</i>	2.1	<i>MBF</i>		
	<i>Balsam Fir</i>	<i>Pulpwood</i>	25	<i>Cords</i>		
	Black/Red (Hybrid		60	Cords		
	Jack Pine		7	Cords		
	Mixed Aspen		280	Cords		
	<i>B. T. Aspen</i>		55	<i>Cords</i>		
	<i>Quaking Aspen</i>		225	<i>Cords</i>		
	Mixed Hardwood		97	Cords		
	<i>Black Cherry</i>		15	<i>Cords</i>		
	<i>Paper Birch</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		80	<i>Cords</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
3 con't	White Pine	Pulpwood	8	Cords		
4	Black/Red (Hybrid)	Sawtimber	15.9	MBF	53.2	\$55,166.80
	Mixed Aspen		193.1	MBF		
	<i>B. T. Aspen</i>		75.6	<i>MBF</i>		
	<i>Quaking Aspen</i>		117.5	<i>MBF</i>		
	Paper Birch		2.6	MBF		
	Red Maple		18.8	MBF		
	White Pine		11.8	MBF		
	Balsam Fir	Pulpwood	61	Cords		
	<i>Balsam Fir</i>	<i>Sawtimber</i>	4.4	<i>MBF</i>		
	<i>Balsam Fir</i>	<i>Pulpwood</i>	52	<i>Cords</i>		
	Black/Red (Hybrid)		124	Cords		
	Jack Pine		15	Cords		
	Mixed Aspen		584	Cords		
	<i>B. T. Aspen</i>		115	<i>Cords</i>		
	<i>Quaking Aspen</i>		469	<i>Cords</i>		
	Mixed Hardwood		202	Cords		
	<i>Black Cherry</i>		32	<i>Cords</i>		
	<i>Paper Birch</i>		3	<i>Cords</i>		
	<i>Red Maple</i>		167	<i>Cords</i>		
	White Pine		16	Cords		
TOTAL:			619.4	MBF		
TOTAL:			3,132	Cords		

## Sale Specific Conditions & Requirements

Sale Name: Crooked Aspen

Sale Number: 71-027-24 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. Retention patches are marked with red paint; no harvesting activities may occur within these areas. 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) 1-4, cut all trees that are two (2) inches or more at DBH.

#### 2.2 - Utilization

##### 2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches DBH.

### 3 - Payments

#### 3.4 - Damaged Timber

##### 3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, should chipping occur in any Payment Unit, it must be done before sprouting of new regeneration. If more than 33% of the newly sprouted tree seedlings within a specified portion of the Sale Area are damaged, liquidated damages will be assessed at \$500 per acre for all acreage within that specified portion of the Sale Area that was damaged.

### 4 - Transportation

#### 4.1 - Construction

##### 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.

#### 4.2 - Maintenance

##### 4.2.3 - Road maintenance (8/13)

The following road maintenance is required: Within 60 days of completion of hauling, or if no hauling occurs for 60 days, all state forest roads used for the sale 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.

## 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. The Unit Manager or his/her representative must be contacted at least 2 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 2 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 24 inches in height.

##### 5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation and if not chipped, the Sale Area shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. Processing sites shall not be left with a compacted layer of slash or windrows.

#### 5.2.3 - Operating Restrictions

##### 5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in any Payment Unit must be completed before significant aspen sprouting occurs in that Payment Unit so as to minimize damage to the new regeneration. Any post-harvest operations, such as chipping, must be completed before sprouting of regeneration occurs. Should damages occur to the new regeneration, the damages will be assessed per Specification 3.4.1 - Damaged Timber. If it is anticipated that chipping will be delayed, then tops shall be carried to one central location, preferably the landing. A third-party entity may be brought in to chip the tops/slash, before new sprouting occurs, should the contract holder fail to present in a timely manner arrangements approved by the Unit Manager for protecting the new regeneration. The Unit Manager or his/her representative may also cease such operations if sprouting occurs before the operation is complete and the Payment Unit(s) will be counted as incomplete with liquidated damages assessed accordingly.

#### 5.2.4 - Dead and Down Creation

##### 5.2.4.2 - Dead and down creation, hare and grouse (1/14)

To improve habitat for snowshoe hare, grouse, and other species, the Purchaser is to leave two 9-inch diameter or larger log size pieces on the ground for every four acres within all Payment Units. They should be scattered throughout the sale or positioned per the Sale Administrator's instructions. If possible, the logs or trees should be felled so they overlap. Note these pieces should have a minimum length of five feet. They can be of any tree species and can be an un-merchantable piece of wood or a full tree.

In addition, for Payment Unit 1, leave 6 large brush piles along the lowland edges. A large log piece or stump should be left on the bottom, then tops and slash piled on top.

##### 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 within the Sale Area that is 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. 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)

There is a snowmobile trail within the Sale Area that 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. 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. Decking of forest products is not permitted along the trail.

### 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 on 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 Crooked Road, the snowmobile trail, and the ORV 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.

