



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7441**

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on May 14, 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:

DSS Aspen (71-008-23) / T22N, R04W, SEC. 16, S1/2NW,SWNE,N1/2SW,NWSE.

T22N, R04W, SEC. 17, N1/2SE,SWSE.

T22N, R04W, SEC. 17, SENW,NENE,S1/2NE,NESW,S1/2SW.

Roscommon County, Advertised Price \$117,140.50, 108.5 Acres, Aspen, Hardwood.

SALE NOTE: Aspen clearcut with a 3-year contract that will involve the temporary installation of a DNR owned portable bridge to access Payment Unit 4. Once the sale is under contract and a bridge is available, the DNR will begin the process of setting the bridge. The sale is also restricted to dry or frozen conditions and during the time period of September 15 to May 15 (see specs 5.2.3.1 & 5.8.8 for details). Contact the Sale Administrator with any questions prior to bidding.

TIMBER SALE INFORMATION

DSS Aspen (71-008-23)

T22N, R04W, SEC. 16; T22N, R04W, SEC. 17.
Roscommon County (Advertised Price \$117,140.50)

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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		
Balsam Fir	22.6 MBF	\$ 55.00 / MBF
Black Cherry	3.1 MBF	\$ 172.00 / MBF
Mixed Aspen	332.1 MBF	\$ 88.00 / MBF
Paper Birch	6.2 MBF	\$ 63.00 / MBF
Red Maple	110.8 MBF	\$ 79.00 / MBF
Red Pine	4.8 MBF	\$ 123.00 / MBF
Pulpwood		
Balsam Fir	241 Cords	\$ 27.10 / Cord
Mixed Aspen	1,565 Cords	\$ 39.35 / Cord
Mixed Hardwood	308 Cords	\$ 24.55 / Cord
Paper Birch	17 Cords	\$ 22.45 / Cord
Red Pine	7 Cords	\$ 43.95 / Cord
White Pine	1 Cords	\$ 40.75 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 10.26 percent. There are an estimated 3,194 cords on this timber sale, plus or minus 328 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 \$5,857.03 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	28.4%
02	9.1%
03	36.3%
04	26.2%

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
252,301	3,194	10.26%	2,866	3,521

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	67,921	860	16.70%	716	1,003
22	21,684	274	36.33%	175	374
102	96,827	1,226	15.30%	1,038	1,413
108	64,903	822	24.73%	618	1,025
109	964	12	430.26%	0	65
TOTAL:	252,301	3,194		2,547	3,880

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	32.3	1	32.3
22	9.2	2	9.2
102	34.9	3	34.9
108	29.4	4	29.4
109	2.7	4	2.7
TOTAL:	108.5		108.5

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black Cherry	Sawtimber	1.6	MBF	32.3	\$33,281.45
	Mixed Aspen		122.0	MBF		
	Quaking Aspen		122.0	MBF		
	Red Maple		27.7	MBF		
	Balsam Fir		5	Cords		
	Mixed Aspen		446	Cords		
	Quaking Aspen		446	Cords		
	Mixed Hardwood		87	Cords		
	Black Cherry		20	Cords		
	Red Maple		67	Cords		
	Red Pine		5	Cords		
	White Pine		1	Cords		
2	Mixed Aspen	Sawtimber	25.0	MBF	9.2	\$10,660.25
	Quaking Aspen	Pulpwood	25.0	MBF		
	Red Maple		5.3	MBF		
	Balsam Fir		2	Cords		
	Mixed Aspen		193	Cords		
	Quaking Aspen		193	Cords		
	Mixed Hardwood		16	Cords		
	Black Cherry		7	Cords		
	Red Maple		9	Cords		
3	Balsam Fir	Sawtimber	20.9	MBF	34.9	\$42,507.75
	Mixed Aspen	Pulpwood	78.6	MBF		
	B. T. Aspen		7.0	MBF		
	Quaking Aspen		71.6	MBF		
	Paper Birch		4.1	MBF		
	Red Maple		26.1	MBF		
	Balsam Fir		222	Cords		
	Mixed Aspen		600	Cords		
	B. T. Aspen		5	Cords		
	Quaking Aspen		595	Cords		
	Mixed Hardwood		87	Cords		
	Black Cherry		4	Cords		
	Red Maple		83	Cords		
	Paper Birch		16	Cords		
4	Balsam Fir	Sawtimber	1.7	MBF	32.1	\$30,691.05
	Black Cherry	1.5	MBF			
	Mixed Aspen	106.5	MBF			
	B. T. Aspen	7.3	MBF			
	Quaking Aspen	99.2	MBF			
	Paper Birch	2.1	MBF			
	Red Maple	51.7	MBF			
	Red Pine	4.8	MBF			
	Balsam Fir	12	Cords			
	Mixed Aspen	326	Cords			
	B. T. Aspen	11	Cords			
	Quaking Aspen	315	Cords			
	Mixed Hardwood	118	Cords			
	Black Cherry	21	Cords			
	Red Maple	97	Cords			
	Paper Birch	1	Cords			
	Red Pine	2	Cords			
	TOTAL:			479.6		
TOTAL:			2,139	Cords		

Sale Specific Conditions & Requirements

Sale Name: DSS Aspen

Sale Number: 71-008-23 Seq#: 2

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. 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.

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, with the following exceptions:

- Within Payment Units 1 & 2, do not cut any white oak.

- Within Payment Units 3 & 4, do not cut any oak.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

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

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesigned live merchantable trees which are cut or injured. No damage is acceptable to undesigned live merchantable trees. Within the Sale Area, if more than 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

4 - Transportation

4.1 - Construction

4.1.2 - Stream crossings, specific (3/11)

The Creek/River crossing into Payment Unit 4 will require the installation of a portable bridge, which will be installed by the DNR when a bridge becomes available. This installation will be performed in accordance with the specifications on the EGLE crossing permit which shall be provided by the DNR.

4.1.6 - Road construction (1/09)

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. Stumps and brush must be placed along the remainder of the trail. Berms must also be placed at intervals of not over 50 feet and at all junctions. 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. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the Sale Administrator for specific details of design and placement.

4.1.11 - Permits (2/12)

The Purchaser will secure any necessary permits that may be required. Except for any permits required for the portable bridge creek crossing, which will be secured by the DNR.

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 10 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

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 24 inches in height. Slash must be scattered evenly across the Sale Area.

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

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1-4 operations will be restricted to frozen winter or otherwise dry conditions. This restriction is to protect sensitive and seasonally wet soils in and surrounding the Sale Area.

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. If it is anticipated that chipping will be delayed, then tops shall be carried to one central location or left unchipped. The Unit Manager or his/her representative may cease such operations if sprouting occurs before the operation is complete.

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 one brush pile on the ground for every two acres. They should be positioned along the swamp and low ground edges in all Payment Units. Piles should consist of large diameter pieces of wood on the bottom and smaller diameters on the top to create cavities. They can be of any tree species and can consist of un-merchantable pieces of wood or a full tree.

5.2.4.4 - Dead and down creation, grouse (6/18)

To encourage grouse and other wildlife, in Payment Unit(s) 1-4 leave one, 12" or larger diameter whole tree on the ground for every 2 acres, preferably a hardwood species such as oak or maple or if no hardwoods are present, a pine species (white or red). These trees will be evenly scattered throughout the unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles. These can be an unmerchantable full trees.

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.

5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

5.2.43 - Opening protection (2/21)

No activities are permitted in the maintained wildlife openings marked on the Timber Sale Map with the letter "G". Any damage to the openings shall be repaired according to specifications 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 are 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

5.8.8 - Protected species, other (2/12)

Within the Sale Area, all operations will be restricted to the period of September 15 to May 15. This restriction is to protect Blanding's Turtle habitat.

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 Bowman 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.



TIMBER SALE MAP

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

Sale Number
71-008-23

Date
04/19/2024

Forest Management Unit

County

Mapped By: Ewald

Roscommon Mgt Unit

Roscommon

Cruised By: Ewald

Scale
1:15,840

Page
1

Of
1

Township
22N

Range
04W

Section(s) and Subdivision(s) **SENW,NENE,S1/2NE,NESW,S1/2SW;
Sec. 16 S1/2NW,SWNE,N1/2SW,NWSE; Sec. 17 N1/2SE,SWSE; Sec. 17**

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

Use QR Code to
open Map in App



PU #	Acres	PU #	Acres
1	32.3	3	34.9
2	9.2	4	32.1

DSS Aspen

Compartment 11
108.5 Acres

