



**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:

Cross County Aspen (71-023-22) / T21N, R02E, SEC. 32, S1/2NE, SESW, SE.

Ogemaw County, Advertised Price \$170,908.55, 106.9 Acres, Aspen, Hardwood.

SALE NOTE: This sale involves the installation of a temporary DNR owned portable bridge. Once the sale is under contract the DNR will begin the process on setting the bridge. There are also low wet areas that must be crossed to access the sale area. These areas must be protected with wood or composite mats. Contact the sale administrator with any questions prior to bidding.

TIMBER SALE INFORMATION

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T21N, R02E, SEC. 32.

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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			
Black/Red (Hybrid) Oak	20.4	MBF	\$ 131.00 / MBF
Mixed Aspen	1,044.6	MBF	\$ 88.00 / MBF
Red Maple	108.2	MBF	\$ 79.00 / MBF
Red Oak	15.5	MBF	\$ 131.00 / MBF
Red Pine	57.5	MBF	\$ 123.00 / MBF
White Pine	67.3	MBF	\$ 62.00 / MBF
Pulpwood			
Balsam Fir	12	Cords	\$ 27.10 / Cord
Mixed Aspen	641	Cords	\$ 39.35 / Cord
Mixed Oak	103	Cords	\$ 24.00 / Cord
Paper Birch	51	Cords	\$ 22.45 / Cord
Red Maple	552	Cords	\$ 24.55 / Cord
Red Pine	43	Cords	\$ 43.95 / Cord
White Pine	241	Cords	\$ 41.00 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.65 percent. There are an estimated 4,480 cords on this timber sale, plus or minus 567 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 \$8,545.43 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	35.0%
02	38.3%
03	26.7%

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.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
353,943	4,480	12.65%	3,913	5,047

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
293	353,943	4,480	12.65%	3,913	5,047
TOTAL:	353,943	4,480		3,913	5,047

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
293	106.9	1	37.4
		2	40.9
		3	28.6
TOTAL:	106.9		106.9

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black/Red (Hybrid	Sawtimber	7.1	MBF	37.4	\$59,748.40
	Mixed Aspen		365.4	MBF		
	<i>B. T. Aspen</i>		339.7	<i>MBF</i>		
	<i>Quaking Aspen</i>		25.7	<i>MBF</i>		
	Red Maple	Pulpwood	37.9	MBF		
	Red Oak		5.4	MBF		
	Red Pine		20.1	MBF		
	White Pine		23.5	MBF		
	Balsam Fir		4	Cords		
	Mixed Aspen		224	Cords		
	<i>B. T. Aspen</i>		202	<i>Cords</i>		
	<i>Quaking Aspen</i>		22	<i>Cords</i>		
	Mixed Oak		36	Cords		
	<i>/Red (Hybrid) Oak</i>		31	<i>Cords</i>		
	<i>Red Oak</i>		5	<i>Cords</i>		
	Paper Birch		18	Cords		
	Red Maple		193	Cords		
	Red Pine		15	Cords		
	White Pine		84	Cords		
2	Black/Red (Hybrid	Sawtimber	7.8	MBF	40.9	\$65,456.00
	Mixed Aspen		399.7	MBF		
	<i>B. T. Aspen</i>		371.6	<i>MBF</i>		
	<i>Quaking Aspen</i>		28.1	<i>MBF</i>		
	Red Maple	Pulpwood	41.4	MBF		
	Red Oak		6.0	MBF		
	Red Pine		22.0	MBF		
	White Pine		25.8	MBF		
	Balsam Fir		5	Cords		
	Mixed Aspen		246	Cords		
	<i>B. T. Aspen</i>		221	<i>Cords</i>		
	<i>Quaking Aspen</i>		25	<i>Cords</i>		
	Mixed Oak		40	Cords		
	<i>/Red (Hybrid) Oak</i>		35	<i>Cords</i>		
	<i>Red Oak</i>		5	<i>Cords</i>		
	Paper Birch		19	Cords		
	Red Maple		211	Cords		
	Red Pine		16	Cords		
	White Pine		93	Cords		
3	Black/Red (Hybrid	Sawtimber	5.5	MBF	28.6	\$45,704.15
	Mixed Aspen		279.5	MBF		
	<i>B. T. Aspen</i>		259.8	<i>MBF</i>		
	<i>Quaking Aspen</i>		19.7	<i>MBF</i>		
	Red Maple	Pulpwood	28.9	MBF		
	Red Oak		4.1	MBF		
	Red Pine		15.4	MBF		
	White Pine		18.0	MBF		
	Balsam Fir		3	Cords		
	Mixed Aspen		171	Cords		
	<i>B. T. Aspen</i>		154	<i>Cords</i>		
	<i>Quaking Aspen</i>		17	<i>Cords</i>		
	Mixed Oak		27	Cords		
	<i>/Red (Hybrid) Oak</i>		24	<i>Cords</i>		
	<i>Red Oak</i>		3	<i>Cords</i>		
	Paper Birch		14	Cords		
	Red Maple		148	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
3 con't	Red Pine	Pulpwood	12	Cords		
	White Pine		64	Cords		
TOTAL:			1,313.5	MBF		
TOTAL:			1,643	Cords		

Sale Specific Conditions & Requirements

Sale Name: Cross County Aspen

Sale Number: 71-023-22 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) 1-3, cut all trees that are two (2) inches or more at DBH. In addition, do not cut any oak or white pine greater than 20 inches 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

3.3 - 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.

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. No damage is acceptable to undesignated 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 will require the installation of a portable bridge which will be installed by the DNR. This installation will be performed in accordance with the specifications on the EGLE crossing permit which shall be provided by the DNR.

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.

4.1.6 - 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. 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. 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.

4.2 - Maintenance

4.2.1 - Hauling restriction (12/08)

Hauling may be restricted on forest roads by the Unit Manager or his/her representative. The restriction may occur during wet weather conditions.

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, the road must be maintained and graded to the condition prior to usage. 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 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 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

5.2.1.1 - Slash within sale area (9/16)

No trees are to be felled outside the sale area and all slash is to be kept at least 10 feet back from the red and blue paint line. If sale boundary lines are along a public road or highway, then slash must be removed 50' from these lines per General Condition & Requirement 5.2.1.

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 24 inches in height. Slash and/or tops are to be scattered uniformly across the Sale Area and not left in windrows from processing operations.

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

5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in any Payment Unit must be completed before significant sprouting occurs in that Payment Unit 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 (preferably the landing) or left unchipped. Should damages occur to the new regeneration, the damages will be assessed per Specification 3.4.1 - Damaged Timber. 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 DNR 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 trees, nine (9) inches or larger in diameter on the ground for every four acres. They should be scattered throughout the sale or positioned per the sale administrators 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.

5.2.4.3 - Dead and down creation, dead trees (6/07)

Except as provided for in General Condition and Requirement 5.2.2, no dead trees, standing or down, are to be cut, skidded, or processed.

5.2.17 - Timber Mats and Interlocking Composite Mats (10/20)

Some roads or skid trails may require extra protection such as that afforded by timber mats, interlocking composite mats, or another approved system. Approximately 400 feet of road or trail will need extra protection at locations shown on the Timber Sale Map. If available, mats may be borrowed from the DNR. A Timber Sale Contract Supplement will be used to document the Purchaser's use of the DNR's mats. Contact the sale administrator regarding availability and pick-up. Timber mats are available from various field offices. Composite mats are only available from the Roscommon field office and the Marquette ICC. The Purchaser is responsible for picking up and hauling the mats to and from the site. The composite mats will require DNR staff onsite for installation and removal. Contact the sale administrator to schedule at least 30 days before desired install/removal date. All mats must be cleaned prior to drop off. This may include, but is not limited to, power washing and brushing to remove mud and debris. A charge of \$700.00 per timber mat and \$2,000.00 per composite mat will be assessed for all damaged or non-returned mats. Damage for the crane/timber mats is defined as three or more broken cants. Damage for the composite mats is defined as cracked or broken mats.

5.2.30 - Landing/road top soil protection (2/15)

Top soil on landings and new roads must be removed, stockpiled and saved. Upon completion of the timber sale, soil must be evenly distributed back over the area for revegetation.

5.2.31 - Landing locations (9/13)

Recommended landing areas are marked on the Timber Sale Map with the letter "L".

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.

5.4 - 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.

**TIMBER SALE MAP**

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

Sale Number	Year
71-023	2022

Forest Management Unit	County	Mapped By	Date	Page	of
Roscommon Management Unit	Ogemaw County	Lewicki	9/19/22	1	1
Township	Range	Section(s) and Subdivision(s)	Scale		
21N	02E	S.32 S1/2NE; SESW; SE	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 = Treed 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, Brch	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

1	37.4
2	40.9
3	28.6

Cross County Aspen
Compartment 90
106.9 Acres