



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7899**

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on October 29, 2026.**

LOCATION: **BARAGA MGMT UNIT, 427 US 41 NORTH, BARAGA, MI 49908.**

CONTACT NAME: Brad Carlson

PHONE NUMBER: (906) 353-6651

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:

Moosequito (12-059-26) / T46N, R34W, SEC. 22, SESW.
T46N, R34W, SEC. 27, NE.

Iron County, Advertised Price \$47,503.85, 142.6 Acres, Aspen, Hardwood.

SALE NOTE: Payment Units 1 - 3 need to be accessed from the west, Cable Lake Road. Payment Units 4 - 5 need to be accessed from the east, Wide Waters Road. See spec 5.2.3.1 for restrictions and/or access to Payment Units 4 - 5.

Access may be through private land.

TIMBER SALE INFORMATION

Moosequito (12-059-26)

T46N, R34W, SEC. 22; T46N, R34W, SEC. 27.

Iron County (Advertised Price \$47,503.85)

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Access may be through private 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	5.7 MBF	\$ 13.00 / MBF
Paper Birch	2.2 MBF	\$ 121.00 / MBF
Red Maple	41.5 MBF	\$ 135.00 / MBF
Sugar Maple	62.6 MBF	\$ 244.00 / MBF
Yellow Birch	6.4 MBF	\$ 90.00 / MBF
Pulpwood		
Balsam Fir	89 Cords	\$ 6.45 / Cord
Mixed Aspen	576 Cords	\$ 20.95 / Cord
Mixed Hardwood	1,265 Cords	\$ 9.55 / Cord
Mixed Spruce	169 Cords	\$ 5.85 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.88 percent. There are an estimated 2,375 cords on this timber sale, plus or minus 306 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 \$2,375.19 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	22.2%
02	16.8%
03	18.1%
04	25.2%
05	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 06/30/2030.

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.

<u>VOLUME</u>		<u>STATISTICAL RANGE IN CORDS</u>		
<u>TOTAL CUBIC FEET</u>	<u>TOTAL CORDS</u>	<u>PERCENT ERROR</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>
187,590	2,375	12.88%	2,069	2,680

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
1	35,528	450	29.36%	318	582
2	57,177	724	18.59%	589	858
3	94,885	1,201	20.33%	957	1,445
TOTAL:	187,590	2,375		1,864	2,885

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	28.8	1	28.8
2	58.0	2	27.9
		3	30.1
3	55.8	4	32.8
		5	23.0
TOTAL:	142.6		142.6

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black Cherry	Sawtimber	0.9	MBF	28.8	\$10,536.20
	Red Maple		12.2	MBF		
	Sugar Maple		22.2	MBF		
	Yellow Birch		2.0	MBF		
	Balsam Fir	Pulpwood	2	Cords		
	Mixed Hardwood		314	Cords		
	<i>Black Cherry</i>		5	<i>Cords</i>		
	<i>Red Maple</i>		127	<i>Cords</i>		
	<i>Sugar Maple</i>		179	<i>Cords</i>		
	<i>Yellow Birch</i>		3	<i>Cords</i>		
	Mixed Spruce		46	Cords		
	<i>Black Spruce</i>		37	<i>Cords</i>		
	<i>White Spruce</i>		9	<i>Cords</i>		
2	Black Cherry	Sawtimber	2.3	MBF	27.9	\$7,980.95
	Paper Birch		0.3	MBF		
	Red Maple		9.6	MBF		
	Sugar Maple		13.5	MBF		
	Yellow Birch		2.1	MBF		
	Balsam Fir	Pulpwood	18	Cords		
	Mixed Aspen		51	Cords		
	<i>Quaking Aspen</i>		51	<i>Cords</i>		
	Mixed Hardwood		189	Cords		
	<i>Black Cherry</i>		17	<i>Cords</i>		
	<i>Red Maple</i>		79	<i>Cords</i>		
	<i>Sugar Maple</i>		86	<i>Cords</i>		
	<i>Yellow Birch</i>		7	<i>Cords</i>		
	Mixed Spruce		25	Cords		
	<i>Black Spruce</i>		2	<i>Cords</i>		
	<i>White Spruce</i>		23	<i>Cords</i>		
3	Black Cherry	Sawtimber	2.5	MBF	30.1	\$8,620.30
	Paper Birch		0.3	MBF		
	Red Maple		10.4	MBF		
	Sugar Maple		14.5	MBF		
	Yellow Birch		2.3	MBF		
	Balsam Fir	Pulpwood	20	Cords		
	Mixed Aspen		56	Cords		
	<i>Quaking Aspen</i>		56	<i>Cords</i>		
	Mixed Hardwood		204	Cords		
	<i>Black Cherry</i>		18	<i>Cords</i>		
	<i>Paper Birch</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		85	<i>Cords</i>		
	<i>Sugar Maple</i>		93	<i>Cords</i>		
	<i>Yellow Birch</i>		7	<i>Cords</i>		
	Mixed Spruce		26	Cords		
	<i>Black Spruce</i>		2	<i>Cords</i>		
	<i>White Spruce</i>		24	<i>Cords</i>		
4	Paper Birch	Sawtimber	0.9	MBF	32.8	\$11,979.95
	Red Maple		5.5	MBF		
	Sugar Maple		7.3	MBF		
	Balsam Fir	Pulpwood	29	Cords		
	Mixed Aspen		276	Cords		
	<i>B. T. Aspen</i>		58	<i>Cords</i>		
	<i>Quaking Aspen</i>		218	<i>Cords</i>		
	Mixed Hardwood		328	Cords		
	<i>Paper Birch</i>		7	<i>Cords</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE				
4 con't	<i>Red Maple</i>	<i>Pulpwood</i>	183	<i>Cords</i>						
	<i>Sugar Maple</i>		128	<i>Cords</i>						
	<i>Yellow Birch</i>		10	<i>Cords</i>						
	Mixed Spruce		42	Cords						
	<i>White Spruce</i>		42	<i>Cords</i>						
5	Paper Birch	Sawtimber	0.7	MBF	23.0	\$8,386.45				
	Red Maple	Pulpwood	3.8	MBF						
	Sugar Maple		5.1	MBF						
	Balsam Fir		20	Cords						
	Mixed Aspen		193	Cords						
	<i>B. T. Aspen</i>		40	<i>Cords</i>						
	<i>Quaking Aspen</i>		153	<i>Cords</i>						
	Mixed Hardwood		230	Cords						
	<i>Paper Birch</i>		5	<i>Cords</i>						
	<i>Red Maple</i>		128	<i>Cords</i>						
	<i>Sugar Maple</i>		90	<i>Cords</i>						
	<i>Yellow Birch</i>		7	<i>Cords</i>						
	Mixed Spruce		30	Cords						
	<i>White Spruce</i>		30	<i>Cords</i>						
	TOTAL:			118.4			MBF			
	TOTAL:			2,099			Cords			

Sale Specific Conditions & Requirements

Sale Name: Moosequito

Sale Number: 12-059-26 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 unless marked with orange paint. 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

2.1.3 - Cut Tree Marked Unit(s) (12/08)

Within Payment Unit(s) 1 - 5, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. Remove all merchantable spruce/fir. Also, within Payment Units 2, 3, 4, and 5, remove all merchantable aspen.

2.2 - Utilization

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. Trees must be harvested with in-woods processor in order to retain existing understory.

2.2.7 - Uncut Designated Trees (2/04)

Liquidated damages of \$5.00 per tree will be assessed for every marked tree not cut.

3 - Payments

3.4 - Damaged Timber

3.4.1 - Damaged Timber (12/24)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings.

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

4.1.4 - Timber Removed for Construction (3/23)

Trees cut or damaged in the process of pre-approved road, landing, or skid trail construction will be decked in an area separate from other Designated Timber and not removed until measured by the Sale Administrator. Payment will be made at contract prices or average prices, if not on the contract.

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, 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. Some 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. Contact the Sale Administrator for specific details of design and placement.

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. Should the Purchaser desire to cross private land, a copy of the written permission from the private landowner may be required by the DNR.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale Conference (10/25)

A pre-sale conference between the Purchaser and Sale Administrator is required prior to beginning any operations. The Unit Manager or his/her representative must be contacted at least 10 days in advance to schedule the conference.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.14 - Chipping of Slash (10/08)

If tops are chipped, they must be skidded to the landing separately from the bole section of the tree. Skidding of tops must be done in such a way as to minimize damage to the residual trees.

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) 4 and 5, cutting, skidding, and hauling MAY be limited to frozen winter conditions. This restriction is due to very saturated access into the sale area. If the purchaser works with the private landowner to make access roads passable during all seasons, Payment Units 4 and 5 contain mostly well drained, dry ground. It would still be recommended that operations within these Payment Units occur during dry summer or frozen winter conditions due to some limited areas containing saturated ground.

5.2.3.3 - Bark Slippage Restriction (3/09)

Within Payment Unit(s) 1 - 5, unless changed by verbal agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

5.2.17 - Timber Mats and Interlocking Composite Mats (5/23)

Some roads or skid trails may require extra protection such as that afforded by timber mats, interlocking composite mats, or another approved system. If available, mats may be borrowed from the DNR. A Timber Sale Contract Amendment 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 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.

5.2.22 - Operating Caution

5.2.22.1 - Operating Caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 1, cutting and skidding occur during dry summer or frozen winter conditions. The reason for the recommendation is due to areas of saturated ground.

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.

5.4 - 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 6 inches or greater in depth and 25 feet in length. Note: Trees within 10 feet of ruts exceeding this standard will be considered damaged due to the roots being severed and will be billed in accordance with specification 3.4 Damaged Timber. 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.

5.4.6 - Wet Area Protection (5/10)

No harvesting operations, including skidding and felling, are to take place within the vernal pond areas or drainages. When harvesting occurs, there should be no disturbance to the vernal pond depression. All equipment, trees and tops should be kept out of this area. Within 100 feet of the pond, equipment should only be used when the soil is in a dry or frozen condition. Care must be taken by the Purchaser to identify and avoid operating in these areas of the timber sale. Note: Some vernal areas were identified and excluded during sale preparation. Others may still exist that were marked around to be avoided.

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 Cable Lake Road, Wide Waters Road, and some forest access roads prior to beginning operations. The road must be posted at appropriate distances from the active 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
12-059-26Date
08/05/2026

Forest Management Unit

County

Mapped By: Brolin

Scale

Page

Of

Crystal Falls Mgt Unit

Iron

Cruised By: Brolin

1:20,000

1

1

Township

Range

Section(s) and

46N

34W

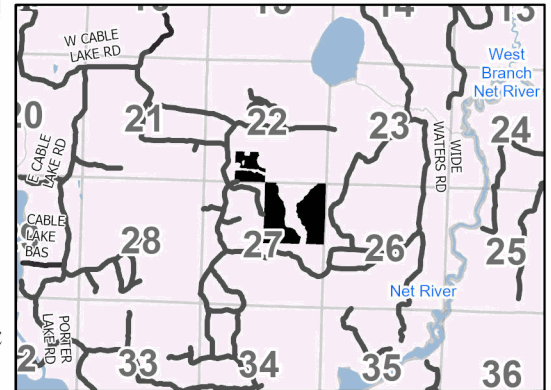
Subdivision(s) Sec. 22 SESW; Sec. 27 NE;

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

Locator Map 1:100,000**Moosequito****Iron County
Compartment 130**

UNIT	1	2	3	4	5	TOTALS
ACRES	28.8	28	30.1	32.8	23	142.7
Sawlogs MBF						
Sugar Maple	22.2	13.5	14.5	7.3	5.1	62.6
Basswood	0.0	0.0	0.0	0.0	0.0	0.0
Black Cherry	0.9	2.3	2.5	0.0	0.0	5.7
Red Maple	12.2	9.6	10.4	5.5	3.8	41.5
Yellow Birch	2.0	2.1	2.3	0.0	0.0	6.4
Paper Birch	0.0	0.3	0.3	0.9	0.7	2.2
TOTAL	37.3	27.8	30.0	13.7	9.6	118.4
Pulpwood CORDS						
Mixed Aspen	0	51	56	276	193	576
Mixed Hardwood	314	189	204	328	230	1265
Balsam Fir	2	18	20	29	20	89
Mixed Spruce	46	25	26	42	30	169
TOTAL	362	283	306	675	473	2099

< 1.0 miles to
E Cable Lake Road

Bone Paddle

0.5 miles to >
Wide Waters Road**Legend**

- Payment Unit
- State Forests
- Private Line (Blue)
- Payment Unit (Yellow)
- Streams
- Forest Access Route
- Administrative Access Only
- Private Gravel/Dirt
- MIRIS Corners
- Survey Grade Corner
- Berm
- Retention Areas
- Nearby Timber Sale

Use QR Code to
open Tree ListUse QR Code to
open Map in App