DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7924

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on December 10, 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:

Bone Paddle (12-053-26) / T46N, R34W, SEC. 18, SWSW.
T46N, R34W, SEC. 19, SWNW,NWSW.
T46N, R34W, SEC. 20, NESW.
T46N, R34W, SEC. 28, NW,NE.
Iron County, Advertised Price $55,241.25, 205.8 Acres, Hardwood, Spruce/Fir/ Tamarack.
SALE NOTE: Within Payment Units 3 - 8, 10, and 11, access roads within are saturated during all summer months. Contact the sale administrator with any questions or concerns about access. Four full winters to harvest on the contract.

Access may be through private land.

TIMBER SALE INFORMATION

Bone Paddle (12-053-26)
T46N, R34W, SEC. 18; T46N, R34W, SEC. 19; T46N, R34W, SEC. 20; T46N, R34W, SEC. 28.
Iron County (Advertised Price $55,241.25)

SALE NOTE: Within Payment Units 3 - 8, 10, and 11, access roads within are saturated during all summer months. Contact the sale administrator with any questions or concerns about access. Four full winters to harvest on the contract.

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:

PRODUCTS & SPECIES	ESTIMATED UNITS*		ADVERTISED PRICE	
Sawtimber				
Black Cherry	16.8	MBF	$ 15.00	/ MBF
Red Maple	120.1	MBF	$ 142.00	/ MBF
Sugar Maple	49.2	MBF	$ 245.00	/ MBF
Yellow Birch	10.9	MBF	$ 100.00	/ MBF
Pulpwood				
Balsam Fir	114	Cords	$ 5.85	/ Cord
Mixed Hardwood	1,883	Cords	$ 9.70	/ Cord
Mixed Spruce	220	Cords	$ 6.05	/ Cord
Quaking Aspen	213	Cords	$ 20.85	/ Cord
Tamarack	15	Cords	$ 5.80	/ Cord

* The total volume is statistically estimated within plus (+) or minus (-) 10.48 percent. There are an estimated 2,908 cords on this timber sale, plus or minus 305 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 $2,762.06 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	4.9%
02	8.0%
03	11.5%
04	10.9%
05	12.8%
06	17.8%
07	16.7%
08	1.8%
09	9.6%
10	1.9%
11	4.1%

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.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
229,711	2,908	10.48%	2,603	3,213

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	18,902	239	26.07%	177	302
2	23,000	291	23.46%	223	359
3	6,191	78	65.27%	27	130
4	133,424	1,689	14.63%	1,442	1,936
5	28,059	355	40.03%	213	497
6	6,008	76	36.37%	48	104
7	14,128	179	28.68%	128	230
TOTAL:	**229,711**	**2,908**		**2,258**	**3,558**

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	20.6	1	20.6
2	27.4	2	27.4
3	6.7	8	6.7
4	121.0	3	20.0
		4	19.0
		5	22.3
		6	30.7
		7	29.0
5	16.5	9	16.5
6	4.9	10	4.9
7	8.7	11	8.7
TOTAL:	**205.8**		**205.8**

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black Cherry	Sawtimber	0.8	MBF	20.6	$2,687.10
	Red Maple		0.6	MBF		
	Sugar Maple		1.1	MBF		
	Yellow Birch		0.7	MBF		
	Mixed Hardwood	Pulpwood	232	Cords		
	Black Cherry		*92*	*Cords*		
	Red Maple		*54*	*Cords*		
	Sugar Maple		*85*	*Cords*		
	Yellow Birch		*1*	*Cords*		
2	Black Cherry	Sawtimber	11.7	MBF	27.4	$4,405.50
	Red Maple		3.9	MBF		
	Sugar Maple		5.3	MBF		
	Yellow Birch		0.4	MBF		
	Mixed Hardwood	Pulpwood	241	Cords		
	Black Cherry		*73*	*Cords*		
	Red Maple		*61*	*Cords*		
	Sugar Maple		*105*	*Cords*		
	Yellow Birch		*2*	*Cords*		
3	Black Cherry	Sawtimber	0.5	MBF	20.0	$6,370.75
	Red Maple		17.1	MBF		
	Sugar Maple		7.1	MBF		
	Yellow Birch		1.6	MBF		
	Balsam Fir	Pulpwood	12	Cords		
	Mixed Hardwood		197	Cords		
	Black Cherry		*3*	*Cords*		
	Red Maple		*124*	*Cords*		
	Sugar Maple		*59*	*Cords*		
	Yellow Birch		*11*	*Cords*		
	Mixed Spruce		9	Cords		
	White Spruce		*9*	*Cords*		
4	Black Cherry	Sawtimber	0.5	MBF	19.0	$6,046.30
	Red Maple		16.3	MBF		
	Sugar Maple		6.7	MBF		
	Yellow Birch		1.5	MBF		
	Balsam Fir	Pulpwood	11	Cords		
	Mixed Hardwood		187	Cords		
	Black Cherry		*3*	*Cords*		
	Red Maple		*118*	*Cords*		
	Sugar Maple		*56*	*Cords*		
	Yellow Birch		*10*	*Cords*		
	Mixed Spruce		9	Cords		
	White Spruce		*9*	*Cords*		
5	Black Cherry	Sawtimber	0.6	MBF	22.3	$7,087.85
	Red Maple		19.1	MBF		
	Sugar Maple		7.9	MBF		
	Yellow Birch		1.8	MBF		
	Balsam Fir	Pulpwood	13	Cords		
	Mixed Hardwood		218	Cords		
	Black Cherry		*3*	*Cords*		
	Red Maple		*138*	*Cords*		
	Sugar Maple		*65*	*Cords*		
	Yellow Birch		*12*	*Cords*		
	Mixed Spruce		10	Cords		
	White Spruce		*10*	*Cords*		
6	Black Cherry	Sawtimber	0.8	MBF	30.7	$9,762.30

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
6 con't	Red Maple	Sawtimber	26.3	MBF		
	Sugar Maple		10.8	MBF		
	Yellow Birch		2.6	MBF		
	Balsam Fir	Pulpwood	18	Cords		
	Mixed Hardwood		301	Cords		
	Black Cherry		*4*	*Cords*		
	Red Maple		*191*	*Cords*		
	Sugar Maple		*90*	*Cords*		
	Yellow Birch		*16*	*Cords*		
	Mixed Spruce		14	Cords		
	White Spruce		*14*	*Cords*		
7	Black Cherry	Sawtimber	0.7	MBF	29.0	$9,242.40
	Red Maple		24.9	MBF		
	Sugar Maple		10.3	MBF		
	Yellow Birch		2.3	MBF		
	Balsam Fir	Pulpwood	17	Cords		
	Mixed Hardwood		285	Cords		
	Black Cherry		*4*	*Cords*		
	Red Maple		*180*	*Cords*		
	Sugar Maple		*85*	*Cords*		
	Yellow Birch		*16*	*Cords*		
	Mixed Spruce		13	Cords		
	White Spruce		*13*	*Cords*		
8	Red Maple	Sawtimber	2.0	MBF	6.7	$987.20
	Mixed Hardwood	Pulpwood	70	Cords		
	Red Maple		*57*	*Cords*		
	Sugar Maple		*13*	*Cords*		
	Mixed Spruce		4	Cords		
	White Spruce		*4*	*Cords*		
9	Balsam Fir	Pulpwood	26	Cords	16.5	$5,304.55
	Mixed Hardwood		2	Cords		
	Black Cherry		*2*	*Cords*		
	Mixed Spruce		100	Cords		
	Black Spruce		*73*	*Cords*		
	White Spruce		*27*	*Cords*		
	Quaking Aspen		213	Cords		
	Tamarack		15	Cords		
10	Red Maple	Sawtimber	3.4	MBF	4.9	$1,067.40
	Balsam Fir	Pulpwood	10	Cords		
	Mixed Hardwood		48	Cords		
	Red Maple		*48*	*Cords*		
	Mixed Spruce		10	Cords		
	White Spruce		*10*	*Cords*		
11	Black Cherry	Sawtimber	1.2	MBF	8.7	$2,279.90
	Red Maple		6.5	MBF		
	Balsam Fir	Pulpwood	7	Cords		
	Mixed Hardwood		102	Cords		
	Black Cherry		*9*	*Cords*		
	Paper Birch		*6*	*Cords*		
	Red Maple		*81*	*Cords*		
	Sugar Maple		*6*	*Cords*		
	Mixed Spruce		51	Cords		
	Black Spruce		*13*	*Cords*		
	White Spruce		*38*	*Cords*		

	TOTAL:	197.0	MBF
	TOTAL:	2,445	Cords

Sale Specific Conditions & Requirements

Sale Name: Bone Paddle **Sale Number: 12-053-26 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 and 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 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. Red painted trees designating an interior Payment Unit boundary are to be protected unless marked with orange paint.

2 - Timber Specifications

2.1 - Included Timber

2.1.3 - Cut Tree Marked Unit(s) (12/08)
Within Payment Unit(s) 1 - 8, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

Also, within Payment Unit 1, remove all merchantable balsam fir. Within Payment Unit 3 - 8, remove all merchantable spruce and balsam fir.

2.1.7 - Leave Tree Marked Unit(s) (6/14)
Within Payment Unit(s) 9, cut all trees that are two (2) inches or more at DBH excepts cedar, hemlock, pine, and trees marked with green paint above and below stump height.

Within Payment Units 10 and 11, all trees which meet minimum piece specifications in 2.2 Utilization, are designated for cutting except cedar, hemlock, pine, yellow birch, and trees marked with green paint above and below stump height.

Also, within Payment Unit 11, leave and use extra caution to not disturb any downed trees.

2.2 - Utilization

2.2.6 - Roundwood Operation Required (3/21)
The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Units 1 - 8. 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. Overgrown roads that are reopened may 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

4.2.2 - Fill Material (4/07)

To maintain roads, fill material may be needed in areas where "holes" exist or may be expected to develop. This fill material should be placed before trucking begins. Contact the Sale Administrator regarding the availability of onsite sand or gravel from adjacent State-owned lands.

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.

4.2.5 - 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.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land is the responsibility of the Purchaser. A copy of the written permission from the private landowner must be given to the Unit Manager within 30 days of the bid opening and prior to the beginning of operations. In addition, depending on the ownership of the access route, a road use permit and bond may be required. If required, these must be fully secured and submitted to the Unit Manager in advance of operations.

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

5.2.1.11 - Slash for Reforestation (3/21)

To facilitate reforestation, the Payment Units 9 - 11 shall be left with slash evenly distributed. Bunched tops within the

cutting area shall be broken up and scattered. Stumps shall be cut low to the ground. Processing sites shall not be left with a compacted layer of slash; tops from these sites shall be hauled back into the cut area and scattered.

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) 1 and 2, unless changed by written agreement, cutting, skidding, and hauling are limited to the period of 10/1 to 4/15. This restriction is because of winter deer range.

5.2.3.3 - Bark Slippage Restriction (3/09)
Within Payment Unit(s) 1 - 8, unless changed by written 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) 3 - 8, 10, and 11, cutting, skidding, and hauling occur during frozen winter conditions. The reason for the recommendation is mainly due to very wet access routes. If roadwork and/or fill material is utilized, operating seasons may expand.

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 12 inches or greater in depth and 50 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.

Note: Trees within 10 feet of ruts exceeding 6 inches will be considered damaged due to the severing of the trees roots and

will be billed in accordance with 3.4 Damaged Timber.

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 or were marked around to be avoided.

5.8 - Protection of Endangered Species

5.8.5 - Protection of Raptor Nests (3/13)
All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an onsite evaluation and recommendation can be made, if necessary.

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, at various locations depending on operations, 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.

Michigan Department of Natural Resources - Forest Resources Division

TIMBER SALE MAP

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

Sale Number	Date
12-053-26	10/02/2026

Forest Management Unit	County	Mapped By: Brolin	Scale	Page	Of
Crystal Falls Mgt Unit	Iron	Cruised By: Brolin	1:26,000	1	1

Township	Range	Section(s) and Subdivision(s)
46N	34W	Sec. 18 SWSW; Sec. 19 SWNW,NWSW; Sec. 20 NESW; Sec. 28 NW,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

