



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7419**

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on June 13, 2024.**

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:

Crescent Pond Mix (12-054-24) / T44N, R31W, SEC. 12, SESW.
T44N, R31W, SEC. 13, NW,SW,NWSE,SESE.
T44N, R31W, SEC. 14, SENE.
T44N, R31W, SEC. 24, NE,N1/2SE.

Iron County, Advertised Price \$59,194.70, 278.8 Acres, Aspen, Hardwood.

SALE NOTE: Access may be through private land.

TIMBER SALE INFORMATION

Crescent Pond Mix (12-054-24)

T44N, R31W, SEC. 12; T44N, R31W, SEC. 13; T44N, R31W, SEC. 14; T44N, R31W, SEC. 24.

Iron County (Advertised Price \$59,194.70)

SALE NOTE: 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		
Red Maple	39.3 MBF	\$ 75.00 / MBF
Sugar Maple	148.8 MBF	\$ 130.00 / MBF
Pulpwood		
Balsam Fir	38 Cords	\$ 4.00 / Cord
Mixed Aspen	1,783 Cords	\$ 14.15 / Cord
Mixed Hardwood	1,394 Cords	\$ 7.45 / Cord
Mixed Spruce	119 Cords	\$ 9.55 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 18.33 percent. There are an estimated 3,775 cords on this timber sale, plus or minus 692 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 \$5,000.00 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	9.5%
02	15.5%
03	16.2%
04	14.3%
05	11.5%
06	16.7%
07	16.3%
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
298,202	3,775	18.33%	3,083	4,467

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
24	143,723	1,819	16.16%	1,525	2,113
30	4,341	55	62.99%	20	90
31	15,942	202	47.31%	106	297
33	20,552	260	29.01%	185	336
43	56,876	720	14.46%	616	824
45	56,768	719	18.48%	586	851
TOTAL:	298,202	3,775		3,038	4,511

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
24	203.4	1	34.7
		2	56.8
		3	59.5
		4	52.4
30	2.5	5	2.5
31	9.8	5	9.8
33	12.5	5	12.5
43	23.5	6	23.5
45	27.1	7	27.1
TOTAL:	278.8		278.8

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Sawtimber	6.7	MBF	34.7	\$5,608.85
	Sugar Maple		25.4	MBF		
	Mixed Aspen	Pulpwood	8	Cords		
	<i>Quaking Aspen</i>		8	<i>Cords</i>		
	Mixed Hardwood		227	Cords		
	<i>Ironwood</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		41	<i>Cords</i>		
	<i>Sugar Maple</i>		185	<i>Cords</i>		
2	Red Maple	Sawtimber	11.0	MBF	56.8	\$9,188.35
	Sugar Maple		41.6	MBF		
	Mixed Aspen	Pulpwood	13	Cords		
	<i>Quaking Aspen</i>		13	<i>Cords</i>		
	Mixed Hardwood		372	Cords		
	<i>Ironwood</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		68	<i>Cords</i>		
	<i>Sugar Maple</i>		302	<i>Cords</i>		
3	Red Maple	Sawtimber	11.5	MBF	59.5	\$9,613.65
	Sugar Maple		43.5	MBF		
	Mixed Aspen	Pulpwood	14	Cords		
	<i>Quaking Aspen</i>		14	<i>Cords</i>		
	Mixed Hardwood		389	Cords		
	<i>Ironwood</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		71	<i>Cords</i>		
	<i>Sugar Maple</i>		316	<i>Cords</i>		
4	Red Maple	Sawtimber	10.1	MBF	52.4	\$8,469.10
	Sugar Maple		38.3	MBF		
	Mixed Aspen	Pulpwood	12	Cords		
	<i>Quaking Aspen</i>		12	<i>Cords</i>		
	Mixed Hardwood		344	Cords		
	<i>Ironwood</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		63	<i>Cords</i>		
	<i>Sugar Maple</i>		279	<i>Cords</i>		
5	Balsam Fir	Pulpwood	27	Cords	24.8	\$6,778.30
	Mixed Aspen		441	Cords		
	<i>Quaking Aspen</i>		441	<i>Cords</i>		
	Mixed Hardwood		18	Cords		
	<i>Black Cherry</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		16	<i>Cords</i>		
	Mixed Spruce		31	Cords		
	<i>Black Spruce</i>		12	<i>Cords</i>		
	<i>White Spruce</i>		19	<i>Cords</i>		
6	Balsam Fir	Pulpwood	11	Cords	23.5	\$9,908.55
	Mixed Aspen		678	Cords		
	<i>Quaking Aspen</i>		678	<i>Cords</i>		
	Mixed Hardwood		12	Cords		
	<i>Black Cherry</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		11	<i>Cords</i>		
	Mixed Spruce		19	Cords		
	<i>Black Spruce</i>		2	<i>Cords</i>		
	<i>White Spruce</i>		17	<i>Cords</i>		
7	Mixed Aspen	Pulpwood	617	Cords	27.1	\$9,627.90
	<i>Quaking Aspen</i>		617	<i>Cords</i>		
	Mixed Hardwood		32	Cords		
	<i>Black Cherry</i>		21	<i>Cords</i>		
	<i>Red Maple</i>		11	<i>Cords</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
7 con't	Mixed Spruce	Pulpwood	69	Cords		
	White Spruce		69	Cords		
TOTAL:			188.1	MBF		
TOTAL:			3,334	Cords		

Sale Specific Conditions & Requirements

Sale Name: Crescent Pond Mix

Sale Number: 12-054-24 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 and red paint, along with roads. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundaries against state are marked with double red paint dots. Interior Payment Unit boundaries between Payment Units 3 & 5 and 4 & 5 are marked with double red paint slashes. Interior Payment Unit boundaries between Payment Units 1-4 are unpainted and identified by unnamed woods roads, with the exception of the southern end of the boundary between Payment Units 3 & 4, which is marked with double red paint slashes (see Timber Sale Map).

2 - Timber Specifications

2.1 - Included Timber

2.1.2 - Clearcut unit(s) w/o unmerchantable trees (8/11)

Within Payment Unit(s) 5-7, cut all aspen, maple, paper birch, and cherry trees which meet minimum piece specifications in

2.2 Utilization (one 100" piece to a top diameter inside bark of 4 inches). In addition, cut all spruce and balsam fir trees with a 7-inch stump diameter and larger. Do not cut trees marked with green paint. No other tree species may be cut.

2.1.3 - Cut tree marked unit(s) (12/08)

Within Payment Unit(s) 1-4, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

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.

2.2.11 - Chipping restriction (9/14)

If chipping occurs on this sale, then no woody debris present on the ground at the start of the sale may be chipped. Chip piles must be removed within 60 days of the sale expiration. In addition, after chip pile removal, residual chip depth at the landing may not exceed 4 inches.

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, extreme care should be taken to avoid damage to tree seedlings and saplings. No damage is acceptable to undesignated live merchantable trees. 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

4.1.3 - 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, chipped, utilized or otherwise removed from the sale.

4.1.7 - Road closure (10/11)

Any overgrown roads that are reopened into the sale must be blocked to vehicle traffic within 60 days of the sale expiration. In general, this will require constructing a four (4') foot high or larger berm of stumps and logs covered with earth. These roads must be rendered impassable to cars, trucks, and ORVs. Contact the Sale Administrator for specific design and placement.

4.1.12 - No new roads (1/12)

No new roads will be permitted. Existing overgrown roads may be opened up and utilized with approval from the Sale Administrator.

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.

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.

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)

No slash or treetops may exceed 36 inches in height.

5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation, the Sale Area 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.

5.2.2 - 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, unless changed by written agreement, cutting, skidding, and hauling are not permitted from March 1 to July 15. Within Payment Units 5-7, unless changed by written agreement, cutting, skidding, and hauling are not permitted from March 1 to May 15. This restriction is to avoid resource damage during spring break up and in the hardwood units, bark slip season. If wet conditions occur throughout the operating season, the Sale Administrator may suspend operations until favorable weather and ground conditions are present.

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 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.

5.4.6 - Wet area protection (5/10)

No harvesting operations, including skidding and felling, are to take place within any vernal pond areas or drainages. When harvesting occurs, there should be no disturbance to any vernal depression. All equipment, trees and tops should be kept out of this area, and within 100 feet, 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.

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 on-site evaluation and recommendation can be made, if necessary.



TIMBER SALE MAP

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

Sale Number
12-054-24

Date
04/08/2024

Forest Management Unit

County

Mapped By: Rice

Scale

Page

Of

Crystal Falls Mgt Unit

Iron

Cruised By: Rice

1:15,840

1

1

Township

Range

Section(s) and

44N

31W

Subdivision(s) Sec. 12 SESW; Sec. 13 NW,SW,NWSE,SESE; Sec. 14 SENE; Sec. 24 NE,N1/2SE;

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

