



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7140**

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on December 1, 2022.**

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

CONTACT NAME: Brad Carlson

PHONE NUMBER: (906) 353-6651

PROSPECTUS NOTE: Contact Dan McNamee 906-235-5830 for questions regarding timber sales 12-007-22 Hazel Tango, 12-055-22 Comp 123 Aspen or 12-056-22 Panola Plains Pine.

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:

Panola Plains Pine (12-056-22) / T42N, R32W, SEC. 16, N1/2NE.

T42N, R32W, SEC. 8 , NESE.

T42N, R32W, SEC. 9 , SENW,SW,SWSE.

Iron County, Advertised Price \$78,497.00, 137.1 Acres, Jack Pine, Red Pine.

## TIMBER SALE INFORMATION

Panola Plains Pine (12-056-22)

T42N, R32W, SEC. 16; T42N, R32W, SEC. 8; T42N, R32W, SEC. 9.  
Iron County (Advertised Price \$78,497.00)

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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Red Pine	42.0 MBF	\$ 83.00 / MBF
Pulpwood		
Jack Pine	2,251 Cords	\$ 25.20 / Cord
Red Maple	4 Cords	\$ 11.30 / Cord
Red Pine	602 Cords	\$ 30.30 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 9.64 percent. There are an estimated 2,967 cords on this timber sale, plus or minus 286 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 \$5,494.79 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	13.8%
02	27.3%
03	32.6%
04	10.7%
05	6.1%
06	9.5%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2025.

### **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>
234,418	2,967	9.64%	2,681	3,254

**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
72	13,133	166	27.50%	121	212
73	8,907	113	56.13%	49	176
75	80,382	1,017	10.08%	915	1,120
77	21,883	277	32.35%	187	367
78	90,818	1,150	16.61%	959	1,341
81	19,295	244	32.56%	165	324
<b>TOTAL:</b>	<b>234,418</b>	<b>2,967</b>		<b>2,396</b>	<b>3,539</b>

**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
72	10.9	5	10.9
73	4.4	1	4.4
75	34.4	3	34.4
77	20.3	4	20.3
78	51.9	1	13.5
		2	38.4
81	15.2	6	15.2
<b>TOTAL:</b>	<b>137.1</b>		<b>137.1</b>

**DESCRIPTION OF TIMBER BY PU (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Sawtimber	5.1	MBF	17.9	\$10,840.50
	Jack Pine	Pulpwood	322	Cords		
	Red Pine		76	Cords		
2	Jack Pine	Pulpwood	851	Cords	38.4	\$21,445.20
3	Jack Pine	Pulpwood	1,018	Cords	34.4	\$25,653.60
4	Red Pine	Sawtimber	15.8	MBF	20.3	\$8,364.40
	Jack Pine	Pulpwood	37	Cords		
	Red Pine		202	Cords		
5	Red Pine	Sawtimber	10.8	MBF	10.9	\$4,763.30
	Jack Pine	Pulpwood	23	Cords		
	Red Maple		4	Cords		
	Red Pine		107	Cords		
6	Red Pine	Sawtimber	10.3	MBF	15.2	\$7,430.00
	Red Pine	Pulpwood	217	Cords		
<b>TOTAL:</b>			<b>42.0</b>	<b>MBF</b>		
<b>TOTAL:</b>			<b>2,857</b>	<b>Cords</b>		

## **Sale Specific Conditions & Requirements**

**Sale Name: Panola Plains Pine**

**Sale Number: 12-056-22 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 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. Interior Payment Unit boundaries are marked with red slashes. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Trees marked with red slashes, 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**

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

Within Payment Unit(s) 1, 2 and 3, cut all trees which meet minimum piece specifications in 2.2 Utilization except red and white pine and oak. In Payment Unit 1, cut all red pine marked with orange paint.

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

Within Payment Unit(s) 4, 5 and 6, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition to trees marked with orange paint, cut all jack pine and aspen with one or more pulpwood stick.

#### **2.2 - Utilization**

##### **2.2.3 - Stump heights (4/07)**

Stump heights within Payment Unit(s) 1, 2 and 3 shall not exceed 6 inches for all trees.

##### **2.2.10 - No chipping tops and limbs (8/16)**

Within Payment Unit(s) 1, 2 and 3, chipping of limbs or tops is not permitted. Limbs and the remaining top must be left on site and scattered.

### **4 - Transportation**

#### **4.1 - Construction**

##### **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. 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 bull dozer 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.

## **5 - Operations**

### **5.2 - Conduct of Operations**

#### **5.2.1 - Slash**

##### **5.2.1.8 - Slash height (12/08)**

No slash or tree tops may exceed 36 inches in height.

##### **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.

### **5.8 - 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.

## **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 all haul roads prior to beginning operations. The road must be posted approximately 350 feet 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

12 - 056

Year

2022

Forest Management Unit  
Crystal FallsCounty  
Iron

Mapped By Scott Sebero

Cruised By Scott Sebero

Date

08/04/2022

Page of

1 1

Township  
42NRange  
32WSection(s) and Subdivision(s)  
8 NESE, 9 SENW, SW, SWSE, 16 N1/2NE

Scale

4 inches = 1 mile

**Cover Type**

A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water
G = Grass	MD = Mixed Deciduous	T = Tamarack	

**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

