



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7152**

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on February 22, 2023.**

LOCATION: **BALDWIN OFFICE, 2468 W 24TH STREET, BALDWIN, MI 49304.**

CONTACT NAME: David Flsher

PHONE NUMBER: (231) 745-4651

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, CADILLAC MANAGEMENT UNIT, for certain timber on the following described lands:

Back Blast Mix (63-015-22) / T21N, R06W, SEC. 26, NW,SWNE,E1/2SE.

T21N, R06W, SEC. 35, NENE,E1/2SW,W1/2SE.

Missaukee County, Advertised Price \$52,713.30, 112.2 Acres, Aspen, Hardwood.

## TIMBER SALE INFORMATION

Back Blast Mix (63-015-22)

T21N, R06W, SEC. 26; T21N, R06W, SEC. 35.

Missaukee County (Advertised Price \$52,713.30)

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		
B. T. Aspen	65.5 MBF	\$ 94.00 / MBF
Black Cherry	16.8 MBF	\$ 202.00 / MBF
Jack Pine	22.2 MBF	\$ 26.00 / MBF
Red Maple	18.1 MBF	\$ 87.00 / MBF
Red Oak	29.3 MBF	\$ 169.00 / MBF
White Pine	50.4 MBF	\$ 79.00 / MBF
Pulpwood		
B. T. Aspen	715 Cords	\$ 27.90 / Cord
Balsam Fir	18 Cords	\$ 24.15 / Cord
Jack Pine	138 Cords	\$ 12.95 / Cord
Misc. Species 1	193 Cords	\$ 3.25 / Cord
Mixed Hardwood	121 Cords	\$ 20.25 / Cord
Mixed Oak	185 Cords	\$ 24.85 / Cord
White Pine	121 Cords	\$ 18.45 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 13.88 percent. There are an estimated 2,010 cords on this timber sale, plus or minus 279 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 \$2,635.67 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	3.0%
02	22.2%
03	25.5%
04	32.2%
05	9.7%
06	7.4%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2026.

### **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
158,813	2,010	13.88%	1,731	2,289

## 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
55	22,803	289	49.26%	146	431
58	33,619	426	29.88%	298	553
70	68,619	869	17.61%	716	1,022
105	10,422	132	45.65%	72	192
114	23,350	296	49.03%	151	441
<b>TOTAL:</b>	<b>158,813</b>	<b>2,010</b>		<b>1,383</b>	<b>2,638</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
55	17.4	1	17.4
58	28.7	3	28.7
70	51.3	4	39.4
		5	11.9
105	6.2	6	6.2
114	8.6	2	8.6
<b>TOTAL:</b>	<b>112.2</b>		<b>112.2</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Pulpwood	22	Cords	17.4	\$1,564.75
	Misc. Species 1		183	Cords		
	<i>Misc. Species 1</i>	<i>Sawtimber</i>	91.3	<i>MBF</i>		
	Mixed Hardwood	Pulpwood	9	Cords		
	<i>Red Maple</i>		9	<i>Cords</i>		
	Mixed Oak		7	Cords		
	<i>Bl/R/Hybrid Oak</i>	<i>Sawtimber</i>	1.7	<i>MBF</i>		
	<i>Bl/R/Hybrid Oak</i>	<i>Pulpwood</i>	4	<i>Cords</i>		
2	B. T. Aspen	Sawtimber	41.6	MBF	8.6	\$11,716.05
	Red Maple		16.4	MBF		
	Red Oak		25.1	MBF		
	B. T. Aspen	Pulpwood	43	Cords		
	Misc. Species 1		10	Cords		
	<i>Misc. Species 1</i>	<i>Sawtimber</i>	4.3	<i>MBF</i>		
	<i>Misc. Species 1</i>	<i>Pulpwood</i>	1	<i>Cords</i>		
	Mixed Hardwood		14	Cords		
	<i>Red Maple</i>		14	<i>Cords</i>		
	Mixed Oak		25	Cords		
	<i>Bl/R/Hybrid Oak</i>	<i>Sawtimber</i>	4.9	<i>MBF</i>		
	<i>Bl/R/Hybrid Oak</i>	<i>Pulpwood</i>	3	<i>Cords</i>		
	<i>Red Oak</i>		12	<i>Cords</i>		
3	B. T. Aspen	Sawtimber	11.2	MBF	28.7	\$13,454.60
	Black Cherry		12.9	MBF		
	Jack Pine		6.0	MBF		
	Red Maple		1.7	MBF		
	B. T. Aspen	Pulpwood	234	Cords		
	Jack Pine		25	Cords		
	Mixed Hardwood		69	Cords		
	<i>Black Cherry</i>		59	<i>Cords</i>		
	<i>Red Maple</i>		10	<i>Cords</i>		
	Mixed Oak		50	Cords		
	<i>Bl/R/Hybrid Oak</i>	<i>Sawtimber</i>	5.4	<i>MBF</i>		
	<i>Bl/R/Hybrid Oak</i>	<i>Pulpwood</i>	21	<i>Cords</i>		
	<i>Red Oak</i>		15	<i>Cords</i>		
	<i>White Oak</i>		3	<i>Cords</i>		
4	B. T. Aspen	Sawtimber	9.8	MBF	39.4	\$16,941.65
	Black Cherry		3.0	MBF		
	Jack Pine		9.4	MBF		
	White Pine		24.7	MBF		
	B. T. Aspen	Pulpwood	309	Cords		
	Jack Pine		75	Cords		
	Mixed Hardwood		17	Cords		
	<i>Black Cherry</i>		4	<i>Cords</i>		
	<i>Red Maple</i>		13	<i>Cords</i>		
	Mixed Oak		66	Cords		
	<i>Red Oak</i>		66	<i>Cords</i>		
	White Pine		89	Cords		
5	B. T. Aspen	Sawtimber	2.9	MBF	11.9	\$5,111.25
	Black Cherry		0.9	MBF		
	Jack Pine		2.9	MBF		
	White Pine		7.5	MBF		
	B. T. Aspen	Pulpwood	93	Cords		
	Jack Pine		23	Cords		
	Mixed Hardwood		5	Cords		
	<i>Black Cherry</i>		1	<i>Cords</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	<i>Red Maple</i>	<i>Pulpwood</i>	4	<i>Cords</i>		
	Mixed Oak		20	Cords		
	<i>Red Oak</i>		20	<i>Cords</i>		
	White Pine		27	Cords		
6	Jack Pine	Sawtimber	3.9	MBF	6.2	\$3,925.00
	Red Oak		4.2	MBF		
	White Pine		18.2	MBF		
	B. T. Aspen	Pulpwood	14	Cords		
	Balsam Fir		18	Cords		
	<i>Balsam Fir</i>	<i>Sawtimber</i>	1.6	<i>MBF</i>		
	<i>Balsam Fir</i>	<i>Pulpwood</i>	15	<i>Cords</i>		
	Jack Pine		15	Cords		
	Mixed Hardwood		7	Cords		
	<i>Red Maple</i>		7	<i>Cords</i>		
	Mixed Oak		17	Cords		
	<i>Red Oak</i>		17	<i>Cords</i>		
	White Pine		5	Cords		
	TOTAL:			202.3		
TOTAL:			1,491	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Back Blast Mix**

**Sale Number: 63-015-22 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 paint. The painted boundary line trees are not Included Timber and are to be protected.

### **2 - Timber Specifications**

#### **2.1 - Included Timber**

##### **2.1.1 - Clearcut unit(s) with unmerchantable trees (6/14)**

Within Payment Unit(s) 1-6, cut all trees that are two (2) inches or more at DBH, except do not cut any white pine over 14 inches at DBH.

##### **2.1.11 - Description of timber note (2/04)**

Note that Misc. Species 1 is dead oak, which is designated for cutting.

### **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. There will be only one division per Payment Unit.

#### **3.6 - Payment Unit Cutting Schedule**

##### **3.6.1 - Order of cutting (1/09)**

Payment Unit 1 shall be cut first, prior to any other units. This is due to dead and deteriorating timber within Payment Unit 1.

### **4 - Transportation**

#### **4.1 - Construction**

##### **4.1.12 - No new roads (1/12)**

No new roads will be permitted in any Payment Unit. All operations are limited to existing roads. Skid trails only will be allowed.

#### **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**

##### **4.4.2 - Alternate route on private property (2/04)**

It is the Purchaser's responsibility to obtain access across private land for any routes other than the route shown on the Timber Sale Map.

### **5 - Operations**

## 5.1 - Notification

### 5.1.3 - Well heads and natural gas pipelines (11/15)

The Purchaser is responsible for contacting the gas or pipeline company 30 days prior to operating equipment in the vicinity of well heads or natural gas pipelines.

## 5.2 - Conduct of Operations

### 5.2.1 - Slash

#### 5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in any natural or oil and gas openings within the sale area. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

### 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

#### 5.2.3.4 - Oak wilt restriction, no exceptions (1/18)

Within Payment Unit(s) 1 - 6, cutting, skidding, and hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

#### 5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

#### 5.2.43 - Opening protection (2/21)

No activities are permitted in openings marked on the Timber Sale Map with the letter "G". Any damage to the openings shall be repaired according to specifications of the Unit Manager or his/her representative.

## 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.

### 5.4.5 - Soil caution (11/04)

Care must be taken to minimize soil damage due to the sandy and wetter area soils.

### 5.4.6 - Wet area protection (5/10)

No harvesting operations, including skidding and felling, are to take place within any drainages. All equipment, trees and tops should be kept out of these areas. 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.

## 7 - Other Conditions

### 7.5 - Loss

#### 7.5.1 - Deteriorating timber (7/09)

The sale area has received damage from oak wilt and/or oak decline. The Purchaser should harvest the wood as soon as

possible. The Department of Natural Resources is held free of responsibility of any further damage or deterioration due to delay in harvesting.



**TIMBER SALE MAP**

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

Sale Number  
63 - 015Year  
22Forest Management Unit  
Cadillac / MantonCounty  
MissaukeeMapped By  
M. EdisonDate  
09/ 23/ 2022Page  
1of  
1Township  
21N  
21NRange  
6W  
6WSection(s) and Subdivision(s)  
Sec 26: NW, SWNE, E1/2SE  
Sec 35: NENE, E1/2SW, W1/2SEScale  
1:15,840**Cover Type**

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

**Density**

0 = Non Stocked  
1 = Seedling Sapling Poor  
2 = Seedling Sapling Medium  
3 = Seedling Sapling Well  
4 = Pole Timber Poor  
5 = Pole Timber Medium  
6 = Pole Timber Well  
7 = Saw Timber Poor  
8 = Saw Timber Medium  
9 = Saw Timber Well

