



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7488**

SCHEDULED SALE DATE AND TIME: **10:00 a.m. (local time) on October 7, 2024.**

LOCATION: **SE REGION-WILD, 3580 STATE PARK DRIVE, BAY CITY, MI 48706.**

CONTACT NAME: Don Bonnette

PHONE NUMBER: (989) 385-5616

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 Game Area Manager, CASS CITY FIELD OFFICE, for certain timber on the following described lands:

4 Chunk Aspen (55-148-24) / T13N, R14E, SEC. 4, SWSW.

T13N, R14E, SEC. 5, SESE.

T13N, R14E, SEC. 8, E1/2NE.

T13N, R14E, SEC. 9, NWNW.

Sanilac County, Advertised Price \$19,166.00, 36.0 Acres, Aspen, Hardwood.

SALE NOTE: Access may be through other public land.

# TIMBER SALE INFORMATION

## 4 Chunk Aspen (55-148-24)

T13N, R14E, SEC. 4; T13N, R14E, SEC. 5; T13N, R14E, SEC. 8; T13N, R14E, SEC. 9.  
Sanilac County (Advertised Price \$19,166.00)

SALE NOTE: Access may be through other public 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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Black Cherry	27.6 MBF	\$ 49.00 / MBF
Mixed Aspen	269.2 MBF	\$ 30.00 / MBF
Red Maple	21.0 MBF	\$ 38.00 / MBF
Pulpwood		
Mixed Aspen	588 Cords	\$ 11.25 / Cord
Mixed Hardwood	197 Cords	\$ 11.80 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 35.09 percent. There are an estimated 1,529 cords on this timber sale, plus or minus 537 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 \$958.30 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	43.0%
02	57.0%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2026.

### **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
120,785	1,529	35.09%	992	2,065

**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.

VDU	VOLUME		PERCENT ERROR	RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
241	50,520	639	64.91%	224	1,055
245	70,265	889	41.73%	518	1,261
<b>TOTAL:</b>	<b>120,785</b>	<b>1,529</b>		<b>743</b>	<b>2,315</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
241	14.7	1	14.7
245	21.3	2	21.3
<b>TOTAL:</b>	<b>36.0</b>		<b>36.0</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black Cherry	Sawtimber	27.6	MBF	14.7	\$8,246.10
	Mixed Aspen		84.8	MBF		
	<i>B. T. Aspen</i>		81.9	MBF		
	<i>Cottonwood</i>		2.9	MBF		
	Red Maple	3.5	MBF			
	Mixed Aspen	Pulpwood	250	Cords		
	<i>B. T. Aspen</i>		188	Cords		
	<i>Cottonwood</i>		6	Cords		
	<i>Quaking Aspen</i>		56	Cords		
	Mixed Hardwood		119	Cords		
	<i>American Elm</i>		17	Cords		
	<i>Black Cherry</i>		85	Cords		
	<i>Green Ash</i>		13	Cords		
	<i>Red Maple</i>		1	Cords		
	<i>Willow</i>		3	Cords		
	2	Mixed Aspen	Sawtimber	184.4		
<i>Cottonwood</i>		7.9		MBF		
<i>Quaking Aspen</i>		176.5		MBF		
Red Maple		17.5	MBF			
Mixed Aspen		Pulpwood	338	Cords		
<i>Cottonwood</i>			3	Cords		
<i>Quaking Aspen</i>			335	Cords		
Mixed Hardwood			78	Cords		
<i>American Elm</i>			7	Cords		
<i>Black Cherry</i>			9	Cords		
<i>Green Ash</i>			9	Cords		
<i>Paper Birch</i>			10	Cords		
<i>Red Maple</i>			43	Cords		
TOTAL:			317.8	MBF		
TOTAL:			785	Cords		

## Sale Specific Conditions & Requirements

Sale Name: 4 Chunk Aspen

Sale Number: 55-148-24 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 red and blue paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state 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 and 2, cut all trees that are two (2) inches or more at DBH, except do not cut oak, hemlock, white pine, hickory or trees marked with green paint.

Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

#### 2.2 - Utilization

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

Stump heights within the Sale Area shall not exceed 6 inches for all trees.

##### 2.2.4 - Skidding length (2/14)

Skidding of unlimbed tops is not permissible.

### 3 - Payments

#### 3.4 - Damaged Timber

##### 3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are oak, hickory, white pine, cedar, hemlock and trees marked with green paint. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$200 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

#### 3.6 - Payment Unit Cutting Schedule

##### 3.6.2 - One active unit (12/08)

Each Payment Unit must be completed to the satisfaction of the Unit Manager or his/her representative before the next unit may be opened. The Purchaser must give 3 days' notice before finishing a unit to allow for inspection.

### 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.

##### 4.1.5 - Culverts (5/14)

A culvert will be necessary to access Payment Unit 1. A DNR owned culvert and fill are located on site in the designated parking area at this location. Additional fill is the responsibility of the Purchaser. It is the responsibility of the Purchaser to install the culvert to access the Payment Unit. At the Unit Manager's discretion, the Purchaser may be responsible for removing the culvert at the conclusion of operations. See Sale Administrator for details.

#### 4.1.11 - Permits (2/12)

The Purchaser will secure any necessary driveway permits that may be required.

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

No new roads will be permitted in any Payment Unit. Skid trails only will be allowed.

### 4.2 - Maintenance

#### 4.2.4 - Grading (10/16)

For completion of the sale, skid trails and designated parking areas used to access any unit 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.

## 5 - Operations

### 5.1 - Notification

#### 5.1.1 - Pre-sale conference (10/16)

A pre-sale conference between the Purchaser and sale administrator is required prior to beginning any operations to determine landing and road locations. 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

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

No slash or tree tops may exceed 24 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 and processed 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 must be broken up and scattered to the point where exposed ground is easily observed. Compacted layers of slash are strictly prohibited.

#### 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. All standing dead trees (snags) 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, cutting, skidding, and hauling are not permitted from March 1 to July 15 and are limited to dry or frozen ground conditions at any other time. This restriction is required to reduce rutting due to poorly drained soils throughout the Sale Area.

##### 5.2.3.12 - Hunting operating restriction (1/18)

No Payment Unit may be started during the period of September 25 to October 10 or November 1 to November 14, without permission of the Unit Manager or his/her representative. Cutting, skidding, and hauling is strictly prohibited November 15 to November 30.

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

Timber/crane mats will be necessary to access Payment Unit 2 on the south side of Mills Road. Timber/crane mats are the responsibility of the Purchaser and must be removed upon completion of operations.

#### 5.2.31 - Landing locations (9/13)

The location of landings will be determined in the pre-sale conference. Landings must be confined to these agreed upon designated sites unless otherwise authorized by the Unit Manager or his/her representative. In general, landings are limited to

a "T" turnaround which will accommodate a truck with a 50-foot trailer.

#### 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.

### 5.4 - Soil Protection

#### 5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of the Sale Area 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.

#### 5.4.2 - 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.

#### 5.4.4 - Slope protection (9/19)

Skid trails and roads on slopes shall be water barred with slash and/or stumps as needed.

## 7 - Other Conditions

### 7.10 - Certified Timber

#### 7.10.1 - Non-certified timber (2/16)

The area encompassed by this timber sale is not certified to the standards of the Forest Stewardship Council (FSC) or the Sustainable Forestry Initiative (SFI). Forest products from this sale may not be delivered to the mill as "FSC and / or SFI certified". The lands within this sale are managed as a State Game Area.



### TIMBER SALE MAP

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

Sale Number  
**55-148-24**

Date  
**07/15/2024**

Forest Management Unit  
Cass City Field Office

County  
Sanilac

Mapped By: Bonnette  
Cruised By: Bonnette

Scale  
1:7,920

Page  
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Of  
1

Township 13N Range 14E Section(s) and Subdivision(s) Sec. 4 SWSW; Sec. 5 SESE; Sec. 8 E1/2NE; Sec. 9 NWNW;

#### 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

#### Legend

- Payment Unit
- Stand
- Private Line (Blue)

#### PU # Acres

1	14.7
2	21.3

**36.0 Acres**      **4 Chunk Aspen**

