



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7097**

**SCHEDULED SALE DATE AND TIME: 11:00 a.m. (local time) on August 24, 2022.**

**LOCATION: SW REGION-WILD, 621 NORTH 10TH STREET, PLAINWELL, MI 49080.**

**CONTACT NAME: Cynthia McQueer**

**PHONE NUMBER: (269) 762-1762**

**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 , ROSE LAKE WILDLIFE OFFICE, for certain timber on the following described lands:

Whitetail Trail (25-001-22) / T10N, R01W, SEC. 22, NWNW,SENW,NE,N1/2SW,NWSE.  
Gratiot County, Advertised Price \$94,426.20, 95.6 Acres, Hardwood, Red Pine.

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

Access may be through other public land.

## TIMBER SALE INFORMATION

Whitetail Trail (25-001-22)

T10N, R01W, SEC. 22.

Gratiot County (Advertised Price \$94,426.20)

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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		
B. T. Aspen	160.3 MBF	\$ 86.00 / MBF
Red Maple	90.3 MBF	\$ 94.00 / MBF
Red Pine	463.5 MBF	\$ 86.00 / MBF
Pulpwood		
B. T. Aspen	645 Cords	\$ 14.80 / Cord
Jack Pine	91 Cords	\$ 10.85 / Cord
Mixed Hardwood	813 Cords	\$ 14.45 / Cord
Red Pine	286 Cords	\$ 35.00 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 10.12 percent. There are an estimated 3,502 cords on this timber sale, plus or minus 354 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 \$4,721.31 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	11.8%
02	31.0%
03	20.7%
04	36.5%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 10/01/2024.

### **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		PERCENT ERROR	STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
276,667	3,502	10.12%	3,148	3,857

## 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	15,618	198	30.43%	138	258
2	19,221	243	41.34%	143	344
3	96,362	1,220	15.05%	1,036	1,403
4	51,548	653	33.25%	436	869
5	11,783	149	32.98%	100	198
6	11,250	142	35.95%	91	194
7	70,884	897	18.00%	736	1,059
<b>TOTAL:</b>	<b>276,667</b>	<b>3,502</b>		<b>2,679</b>	<b>4,325</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
1	5.7	1	5.7
2	7.3	1	7.3
3	30.8	2	27.4
		3	3.4
4	18.4	2	4.4
		3	13.7
		4	0.3
5	9.4	3	9.2
		4	0.2
6	6.7	3	1.2
		4	5.5
7	17.3	4	17.3
<b>TOTAL:</b>	<b>95.6</b>		<b>95.6</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Sawtimber	2.8	MBF	13.0	\$11,134.70
	Red Pine		71.9	MBF		
	Jack Pine	Pulpwood	39	Cords		
	Mixed Hardwood		191	Cords		
	Black Cherry		41	Cords		
	Paper Birch		23	Cords		
	Red Maple		38	Cords		
	Sassafras		89	Cords		
	Red Pine		43	Cords		
2	B. T. Aspen	Sawtimber	102.7	MBF	31.8	\$29,306.75
	Red Maple		67.3	MBF		
	Red Pine		28.9	MBF		
	B. T. Aspen	Pulpwood	441	Cords		
	Mixed Hardwood		307	Cords		
	Black Cherry		20	Cords		
	Red Maple		270	Cords		
	Sassafras		17	Cords		
	Red Pine		20	Cords		
3	B. T. Aspen	Sawtimber	27.0	MBF	27.5	\$19,534.50
	Red Maple		18.2	MBF		
	Red Pine		90.0	MBF		
	B. T. Aspen	Pulpwood	150	Cords		
	Jack Pine		9	Cords		
	Mixed Hardwood		229	Cords		
	Black Cherry		2	Cords		
	Red Maple		225	Cords		
	Sassafras		2	Cords		
Red Pine		61	Cords			
4	B. T. Aspen	Sawtimber	30.6	MBF	23.3	\$34,450.25
	Red Maple		2.0	MBF		
	Red Pine		272.7	MBF		
	B. T. Aspen	Pulpwood	54	Cords		
	Jack Pine		43	Cords		
	Mixed Hardwood		86	Cords		
	Red Maple		86	Cords		
	Red Pine		162	Cords		
TOTAL:			714.1	MBF		
TOTAL:			1,835	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Whitetail Trail**

**Sale Number: 25-001-22 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 red and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. 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.

### **2 - Timber Specifications**

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

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

Within Payment Unit(s) 1-4, cut all trees that are two (2) inches or more at DBH, except any oak, white pine, yellow birch, spruce, or hemlock that may be present.

#### **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 at DBH and 4 inches for trees smaller than 10 inches at DBH.

##### **2.2.8 - Utilization and removal (5/14)**

All products not meeting standards set forth in General Condition and Requirement 2.2 - Utilization may not be removed from the Sale Area, e.g., tops. This is because of wildlife brush habitat.

### **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.

##### **4.1.12 - 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**

##### **4.2.1 - Hauling restriction (12/08)**

Hauling may be restricted on roads and skid trails by the Unit Manager or his/her representative. The restriction may occur during wet weather conditions.

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

For completion of the sale, 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.

#### **4.3 - Public Right-of-Way**

#### 4.3.2 - County R-O-W (12/06)

The county must be contacted prior to crossing or harvesting in the county road R-O-W.

#### 4.4 - Access

##### 4.4.3 - Access gate (12/08)

The access gate must be locked at all times. This is to prevent someone other than the Purchaser from going through the gate and being locked in.

### 5 - Operations

#### 5.1 - Notification

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

A pre-sale conference on site 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

###### 5.2.1.1 - Slash within sale area (9/16)

No trees are to be felled outside the sale area and all slash is to be kept at least 10 feet back from the red paint line. If sale boundary lines are along a public road or highway, then slash must be removed 50' from these lines per General Condition & Requirement 5.2.1.

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

No brush or logging debris is to be left in the maintained wildlife opening which is indicated by G0 on the Timber Sale Map. 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

###### 5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1-4, unless changed by written agreement, cutting, skidding, and hauling are not permitted during the period of March 1 to July 15. This restriction is because of low ground with soft soils, wildlife nesting season, and to help reduce the chance of spreading tree pathogens such as oak wilt.

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

No Payment Unit may be started during the period of September 29 to October 2 or November 13 to November 16 without permission of the Unit Manager or his/her representative.

##### 5.2.4 - Dead and Down Creation

###### 5.2.4.4 - Dead and down creation, grouse (6/18)

To encourage grouse and other wildlife, in Payment Unit(s) 2 and 3, leave one, 12" diameter or larger log-length (8 foot minimum) piece on the ground for every 2 acres. These trees will be evenly scattered throughout the Payment Unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles.

###### 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)

In addition, operations are to cease immediately if equipment and weather conditions result in rutting on 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 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.

## 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 adjacent roads 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.

## 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	Year
25-001	22

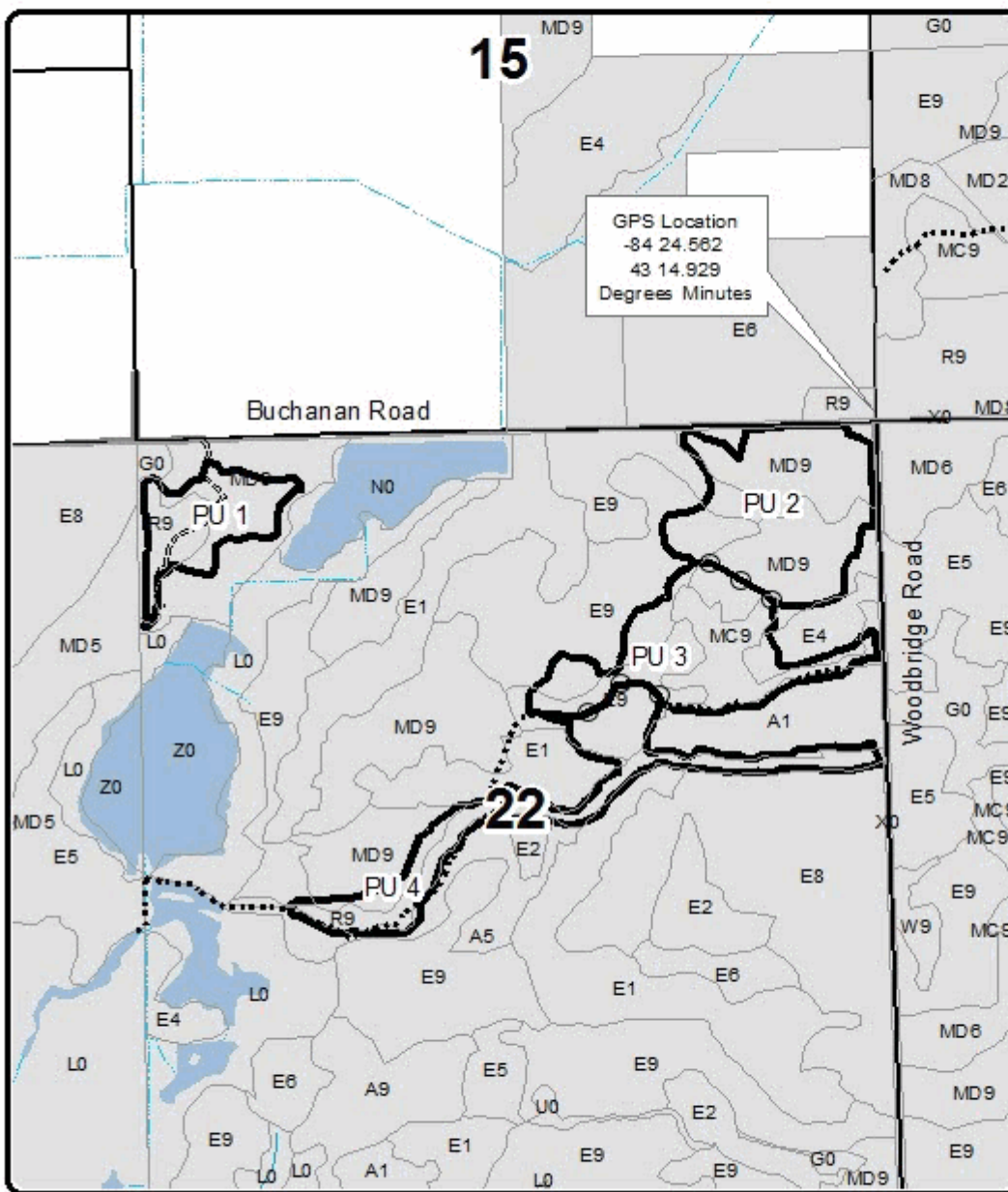
Forest Management Unit Grat-Sag State Game Area	County Gratiot	Mapped By J. Bramer	Date 09/16/2021	Page 1	of 1
Township 10N	Range 01W	Section(s) and Subdivision(s) Sections 22	Scale 1:15,840		

Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
D = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium
E = Swamp Hardwoods	M = Mpl. Dec. Dec.	R = Red Pine	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water		
G = Grass	MD = Mixed Deciduous	T = Tamarack			

**Whitetail Trail**

95.6 Acres

Compartment 1

**Legend**

- Timber Sale Area (Red)
- Interior Boundary (Yellow)
- Temporary Management Access (Internal Only)
- DNR Access Road
- Stand Outline
- Road
- State Game Area
- Drain
- Intermittent Stream
- Perennial River
- Lakes and Rivers

**PU Acres**

1	13
2	31.8
3	27.5
4	23.3

QR code opens map  
in Avenza App.