



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN**

**TIMBER SALE PROSPECTUS #6950**

SCHEDULED SALE DATE AND TIME: **10:00 a.m. (local time) on November 9, 2021.**

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

CONTACT NAME: Jesse Bramer

PHONE NUMBER: (231) 670-4586

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, CRANE POND SGA, for certain timber on the following described lands:

Vanderbilt (21-002-21) / T03S, R11W, SEC. 29, N1/2SW.

T03S, R11W, SEC. 30, SWNE, W1/2SE.

Kalamazoo County, Advertised Price \$60,479.65, 39.1 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.

See sale specs 5.2.3.1 and 5.2.3.2 for operating restrictions.

Access may be through other public land.

## TIMBER SALE INFORMATION

Vanderbilt (21-002-21)

T03S, R11W, SEC. 29; T03S, R11W, SEC. 30.

Kalamazoo County (Advertised Price \$60,479.65)

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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	37.6 MBF	\$ 85.00 / MBF
Beech	9.2 MBF	\$ 62.00 / MBF
Bl/R/Hybrid Oak	16.4 MBF	\$ 124.00 / MBF
Black Cherry	44.8 MBF	\$ 148.00 / MBF
Pignut Hickory	3.4 MBF	\$ 124.00 / MBF
Red Maple	14.9 MBF	\$ 97.00 / MBF
Red Pine	288.0 MBF	\$ 83.00 / MBF
Pulpwood		
B. T. Aspen	41 Cords	\$ 13.55 / Cord
Bl/R/Hybrid Oak	89 Cords	\$ 12.90 / Cord
Mixed Hardwood	268 Cords	\$ 11.90 / Cord
Red Pine	545 Cords	\$ 31.90 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 11.53 percent. There are an estimated 1,905 cords on this timber sale, plus or minus 220 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 \$3,023.98 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	17.6%
02	82.4%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/01/2023.

### **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
150,489	1,905	11.53%	1,685	2,125

## 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
18	111,669	1,414	13.67%	1,220	1,607
25	28,445	360	18.67%	293	427
<b>TOTAL:</b>	<b>140,114</b>	<b>1,774</b>		<b>1,513</b>	<b>2,034</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
18	28.7	2	28.7
25	10.4	1	10.4
<b>TOTAL:</b>	<b>39.1</b>		<b>39.1</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	29.5	MBF	10.4	\$10,657.25
	Beech		9.2	MBF		
	Bl/R/Hybrid Oak		16.4	MBF		
	Black Cherry		9.7	MBF		
	Pignut Hickory		3.4	MBF		
	Red Maple	Pulpwood	13.4	MBF		
	B. T. Aspen		25	Cords		
	Bl/R/Hybrid Oak		27	Cords		
	Mixed Hardwood		143	Cords		
	<i>Beech</i>		12	<i>Cords</i>		
	<i>Black Cherry</i>		66	<i>Cords</i>		
	<i>Pignut Hickory</i>		17	<i>Cords</i>		
	<i>Red Maple</i>		45	<i>Cords</i>		
	<i>Sassafras</i>		3	<i>Cords</i>		
2	B. T. Aspen	Sawtimber	8.1	MBF	28.7	\$49,822.40
	Black Cherry		35.1	MBF		
	Red Maple		1.5	MBF		
	Red Pine		288.0	MBF		
	B. T. Aspen	Pulpwood	16	Cords		
	Bl/R/Hybrid Oak		62	Cords		
	Mixed Hardwood		125	Cords		
	<i>Black Cherry</i>		81	<i>Cords</i>		
	<i>Red Maple</i>		22	<i>Cords</i>		
	<i>Sassafras</i>		22	<i>Cords</i>		
	Red Pine		545	Cords		
	TOTAL:			414.3		
TOTAL:			943	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Vanderbilt**

**Sale Number: 21-002-21 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. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint.

### **2 - Timber Specifications**

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

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

Within Payment Unit(s) 2, cut all trees that are two (2) inches or more at DBH, except all hickory and oak trees greater than 12 inches at DBH.

##### **2.1.7 - Leave tree marked unit(s) (6/14)**

Within Payment Unit(s) 1, cut all trees that are two (2) inches or more at DBH, except trees marked with green paint above and below stump height.

#### **2.2 - Utilization**

##### **2.2.1 - Utilization (2/04)**

All listed board foot volumes of sawlog size products in this contract have been determined using a top diameter inside bark of 10 inches.

#### **2.3 - Log Rule**

##### **2.3.1 - Log rule (12/08)**

All board foot volumes of sawlog size products in this contract have been determined by the International ¼ Inch Log Rule.

### **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 Payment Unit 1. 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**

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

The access gate must be locked at the completion of each day unless otherwise 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 on site between the Purchaser and sale administrator is required prior to beginning any operations to determine landing and road locations.

## 5.2 - Conduct of Operations

### 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, cutting, skidding, and hauling are limited to the period of December 1 to March 1. This restriction is to facilitate aspen regeneration and protect vulnerable wildlife.

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

Within Payment Unit(s) 2, unless changed by written agreement, cutting, skidding, and hauling are not permitted during the period of March 2 to July 15 and October 01 to November 30. This restriction is to reduce likelihood of oak wilt transmission, follow Eastern massasauga rattlesnake CCAA guidelines and reduce hunter conflict.

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

Recommended landing areas are marked on the Timber Sale Map by a black rectangle. Landings must be confined to these designated sites unless otherwise authorized by the Unit Manager or his/her representative.

#### 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

### 5.4.2 - 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.

### 5.4.3 - Erosion control (12/08)

Skid trails or haul roads may require erosion control structures or berms per direction of the Unit Manager or his/her representative.

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

Skid trails and roads on slopes shall be water barred with slash, stumps, and/or clean straw bales native to the area as soon as use is complete to prevent erosion.

## 5.6 - Debris and Waste Material

### 5.6.3 - Equipment cleaning (12/17)

For purposes of this provision, "Off-Road Equipment" includes all logging and construction machinery, except for log trucks, chip vans, service vehicles, water trucks, pickup trucks, cars, and similar vehicles. Off-Road Equipment brought on site must be clean and free from plant material and soil prior to arrival on any Payment Unit. Off-Road Equipment shall be cleaned of plant material and dirt prior to being moved to a new stand within the sale. Plant material includes leaves, stems, roots and seeds. Equipment shall be considered clean when a visual inspection does not disclose seeds, soil, vegetative matter, and other debris that could contain or hold seeds. This is to prevent the spread of invasive plant species.

## 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 Vanderbilt Road 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**

#### 7.2 - Extensions

##### 7.2.1 - One year extension (2/04)

Given justification, only one, 1 year extension may be granted if the contract has been paid for in full.

#### 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.

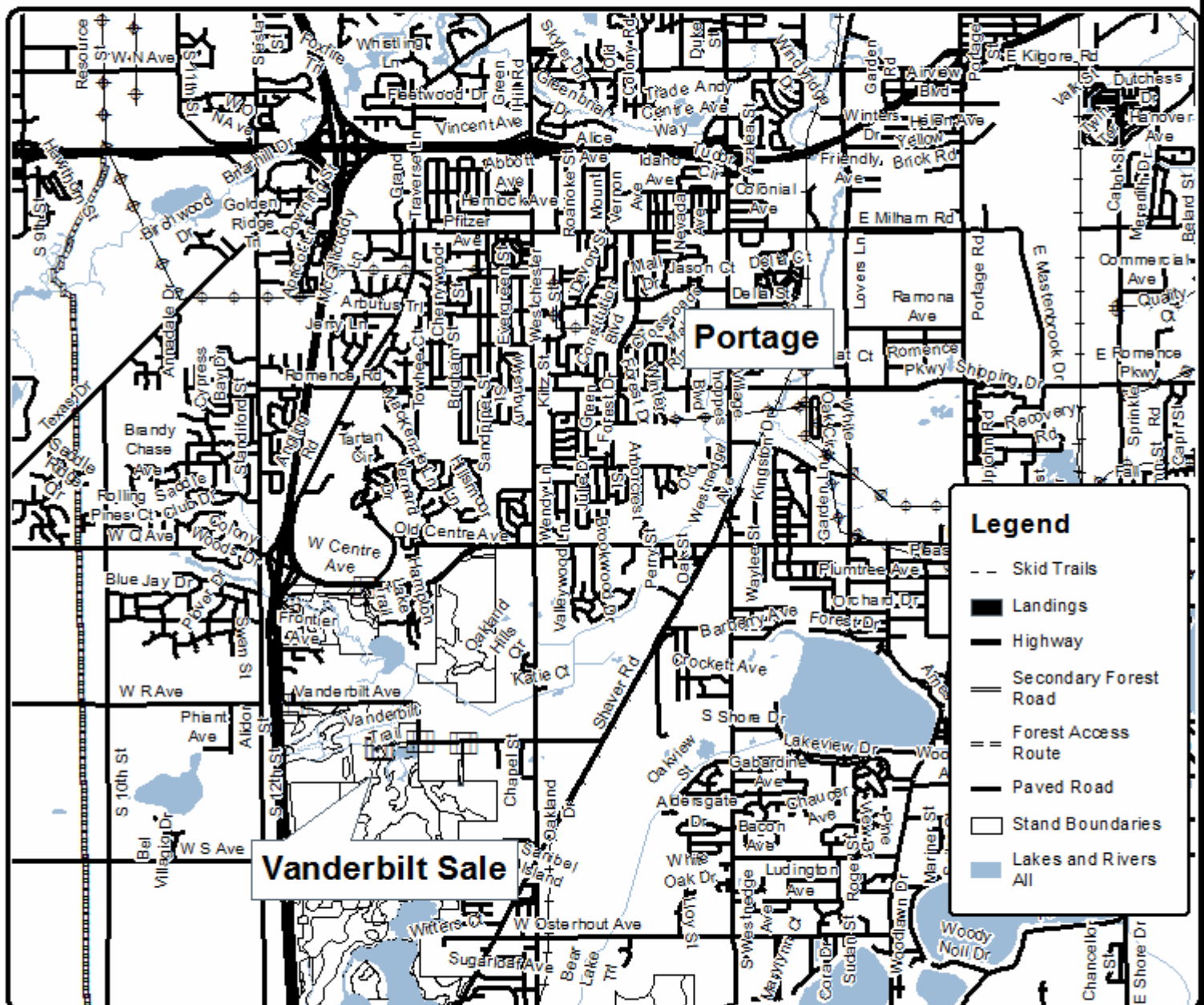
**TIMBER SALE MAP**

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

Sale Number	Year
21 - 002	2021

Forest Management Unit Gourdneck State Game Area	County Kalamazoo	Mapped By Nate DeVries	Date 08/18/2021	Page 1	of 1
Township 03S	Range 11W	Section(s) and Subdivision(s) Section 29, NESW, NWSW and Section 30, SWNE, NWSE	Cruised By Nate DeVries	Scale 1:62,500	

Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = 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 = Tread Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium
E = Swamp Hardwoods	M = Mpl. Ech. Birch	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 = Cress	MD = Mixed Deciduous	T = Tamarack			

**PU Acres PU Acres****Vanderbilt**  
**Compartment 8390102**  
**39.1 Acres**

0 0.125 0.5 0.75 1 Miles



**TIMBER SALE MAP**

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21 - 002	2021

Forest Management Unit Gourdneck State Game Area	County Kalamazoo	Mapped By Nate DeVries	Date 08/18/2021	Page 1	of 1
Township 03S	Range 11W	Section(s) and Subdivision(s) Section 29, NESW, NWSW and Section 30, SWNE, NWSE	Cruised By Nate DeVries	Scale 1:9,411	

**Cover Type**

A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush
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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 Hardwoods	M = Mpl. Ech. Birch	R = Red Pine	X = Non Stocked
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water
G = Cress	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

**PU Acres PU Acres**

**Vanderbilt**  
**Compartment 8390102**  
**39.1 Acres**

