



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6918

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on September 30, 2021.**

LOCATION: **PIGEON RIVER COUNTRY MGMT UNIT, PO BOX 456, 9966 TWIN LAKES ROAD, VANDERBILT, MI 49795.**

CONTACT NAME: Greg Rekowski

PHONE NUMBER: (989) 983-4101

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, PIGEON RIVER COUNTRY MANAGEMENT UNIT, for certain timber on the following described lands:

Green Timbers Pine (53-008-21) / T32N, R02W, SEC. 15, NWNW, SENW, W1/2NE.

T32N, R02W, SEC. 16, SENE, SE.

Otsego County, Advertised Price \$23,666.80, 47.9 Acres, Red Pine, White Pine.

SALE NOTE: Note chipping requirements for Payment Unit 1 - 2. Contact Pigeon River Country staff if gate access is needed prior to the bid opening date.

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

TIMBER SALE INFORMATION

Green Timbers Pine (53-008-21)

T32N, R02W, SEC. 15; T32N, R02W, SEC. 16.

Otsego County (Advertised Price \$23,666.80)

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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 & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Red Pine	102.7 MBF	\$ 77.00 / MBF
White Pine	95.1 MBF	\$ 50.00 / MBF
Pulpwood		
Mixed Aspen	84 Cords	\$ 15.50 / Cord
Red Maple	24 Cords	\$ 12.55 / Cord
Red Pine	173 Cords	\$ 33.40 / Cord
White Pine	150 Cords	\$ 24.15 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 9.35 percent. There are an estimated 818 cords on this timber sale, plus or minus 77 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 \$2,366.68 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	51.6%
02	26.7%
03	8.1%
04	13.6%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2024.

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			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
64,652	818	9.35%	742	895

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
10	2,478	31	0.00%	31	31
12	5,570	71	34.69%	46	95
33	49,092	621	11.06%	553	690
49	8,172	103	24.48%	78	129
TOTAL:	65,312	827		708	945

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
10	1.2	4	1.2
12	3.9	4	3.9
33	37.7	1	24.8
		2	12.9
49	5.1	3	5.1
TOTAL:	47.9		47.9

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Sawtimber	60.1	MBF	24.8	\$12,192.85
	White Pine		61.8	MBF		
	Mixed Aspen	Pulpwood	12	Cords		
	B. T. Aspen		10	Cords		
	Quaking Aspen		2	Cords		
	Red Maple		3	Cords		
	Red Maple		3	Cords		
	Red Pine		68	Cords		
	White Pine		82	Cords		
2	Red Pine	Sawtimber	31.3	MBF	12.9	\$6,328.10
	White Pine		32.1	MBF		
	Mixed Aspen	Pulpwood	6	Cords		
	B. T. Aspen		5	Cords		
	Quaking Aspen		1	Cords		
	Red Maple		1	Cords		
	Red Maple		1	Cords		
	Red Pine		35	Cords		
	White Pine		43	Cords		
3	Red Pine	Sawtimber	1.2	MBF	5.1	\$1,921.25
	White Pine		1.2	MBF		
	Mixed Aspen	Pulpwood	66	Cords		
	B. T. Aspen		66	Cords		
	Red Maple		6	Cords		
	Red Maple	Sawtimber	0.8	MBF		
	Red Maple	Pulpwood	4	Cords		
	Red Pine		2	Cords		
	White Pine		25	Cords		
4	Red Pine	Sawtimber	10.1	MBF	5.1	\$3,224.60
	Red Maple	Pulpwood	14	Cords		
	Red Maple		14	Cords		
	Red Pine		68	Cords		
TOTAL:			197.8	MBF		
TOTAL:			431	Cords		

Sale Specific Conditions & Requirements

Sale Name: Green Timbers Pine

Sale Number: 53-008-21 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, red, and yellow 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 yellow paint. Red, yellow, and blue 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) 3, cut all trees that are two (2) inches or more at DBH, except do not cut green marked trees.

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

Within Payment Unit(s) 4, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

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

Within Payment Unit(s) 1 - 2, cut all trees that are two (2) inches or more at DBH, except do not cut red oak, white oak, and trees marked with green paint above and below stump height.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

Payment Unit 1 - 2 must be chip harvested and products may be produced as roundwood and forwarded to decking areas in final product length, but the tops must be left intact and skidded to the landing for chipping to maximize the amount of ground scarification. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter is still applicable (G. C. & R. 2.2).

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 1 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.

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 10% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

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.

4.1.7 - Road closure (10/11)

Overgrown roads that are reopened must be blocked to vehicle traffic upon completion of the sale. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. These roads must be rendered impassable to cars and trucks. Contact the sale administrator for specific details of design and placement.

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.

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 bulldozer to shape up the roads after forest products have been hauled off site. 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.

4.4 - Access

4.4.3 - Access gate (12/08)

The access gate to Payment Unit 1 - 3 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

5.2 - 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 - 2, cutting, skidding, and hauling are limited to the period of July 15 to November 1. This restriction is in place to maximize the amount of ground scarification during snow-free conditions.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 4, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

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

Within Payment Unit(s) 1 - 2, cutting, skidding, 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.

5.2.4 - Dead and Down Creation

5.2.4.1 - Dead and down creation, marked trees (10/13)

Within Payment Unit 3, all trees marked with a "X" of blue paint must be felled and left on site for wildlife. These trees have been taken off the timber tally.

5.2.4.3 - Dead and down creation, dead trees (6/07)

Except as provided for in General Condition and Requirement 5.2.2, no dead trees, standing or down, are to be cut, skidded, or processed.

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)

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 25 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.

5.4.4 - Slope protection (9/19)

Skid trails and roads on slopes shall be water barred with slash and stumps as soon as use is complete to prevent erosion. Steep slopes are prevalent in and around Payment Unit 3.

5.5 - Protection of Improvements

5.5.3 - Protection of improvements detail (10/13)

The following are specific protection measures for this sale; a wire fence is present along the entire private property boundary line. Care must be taken to avoid damage to any part of this fence. All slash must be kept at least 10 feet away from this fence line.

5.8 - Protection of Endangered Species

5.8.3 - Red shoulder hawk or goshawk (2/16)

In the event that an active red shoulder hawk or goshawk nest is found, the contract may be amended to protect the nest site until the nest is determined to be inactive. The value of the trees in this excluded area will be refunded or credited to the Purchaser. The nest will be buffered with a five-chain radius (eight acre) protection area, centered on the nest tree, in which there will be no cutting or new roads constructed. Avoid human disturbance, including loading and skidding, in the protection area.

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from March 15 to July 15 (NLP). Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.

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 State forest 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.

**TIMBER SALE MAP**

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

Sale Number	Year
53 - 008	21

Forest Management Unit Pigeon River Country	County Otsego	Mapped By Rekowski	Date 06/29/2021	Page 1	of 1
Cruised By Rekowski					

Township 32N	Range 02W	Section(s) and Subdivision(s) 15: NWNW, SENW, W1/2NE 16: SENE, SE1/4	Scale 1:15,840
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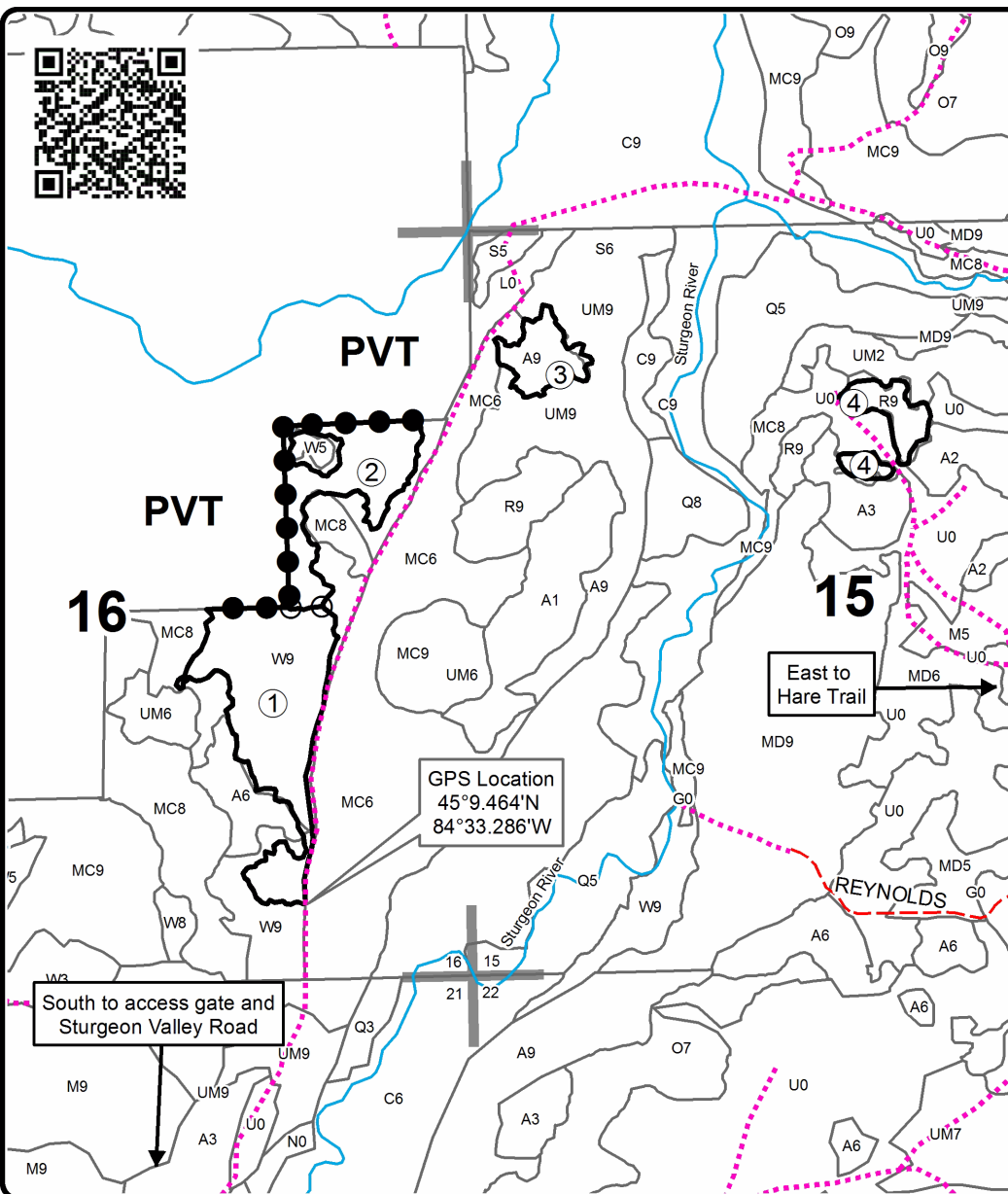
Cover Type

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	

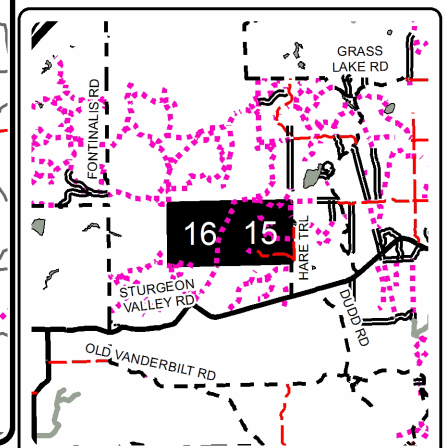
Density

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

PU	Acres	PU	Acres
1	24.8	4	5.1
2	12.9		
3	5.1		

Green Timbers Pine**Compartment 056**
47.9 Acres**Legend****Sale Boundary**

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Stand Boundaries
- County Road - Seasonal
- Closed Roads
- Perennial River

Locator Map
1:200,000

0 0.125 0.25 0.5 0.75 1 Miles