



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7425**

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on May 23, 2024.

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

CONTACT NAME: Mark Monroe

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:

Jurassic Bark (53-027-23) / T31N, R01W, SEC. 1 , E1/2SW,SE.
T31N, R01W, SEC. 12, NWNE.

Otsego County, Advertised Price \$14,758.35, 44.9 Acres, Aspen, Jack Pine.

SALE NOTE: See Pathway Protection spec and harvesting during snow free conditions.

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity.
Certain restrictions/specifications may be applicable including time restrictions.

TIMBER SALE INFORMATION

Jurassic Bark (53-027-23)

T31N, R01W, SEC. 1; T31N, R01W, SEC. 12.

Otsego County (Advertised Price \$14,758.35)

SALE NOTE: See Pathway Protection spec and harvesting during snow free conditions.

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.

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		
Jack Pine	30.6 MBF	\$ 32.00 / MBF
Mixed Aspen	39.9 MBF	\$ 46.00 / MBF
Pulpwood		
Balsam Fir	18 Cords	\$ 24.20 / Cord
Jack Pine	237 Cords	\$ 11.45 / Cord
Mixed Aspen	314 Cords	\$ 20.15 / Cord
Red Maple	12 Cords	\$ 15.30 / Cord
Red Pine	29 Cords	\$ 48.70 / Cord
White Pine	42 Cords	\$ 20.75 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 34.24 percent. There are an estimated 818 cords on this timber sale, plus or minus 280 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 \$1,475.84 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	47.6%
02	52.4%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2027.

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
64,633	818	34.24%	538	1,098

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
31	5,491	70	29.88%	49	90
49	21,082	267	44.37%	148	385
51	3,742	47	119.26%	0	104
53	24,928	316	28.24%	226	405
61	9,390	119	57.16%	51	187
TOTAL:	64,633	818		475	1,171

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
31	4.9	1	4.9
49	10.7	2	10.7
51	2.7	1	2.7
53	22.5	1	22.5
61	4.1	2	4.1
TOTAL:	44.9		44.9

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Jack Pine	Sawtimber	30.6	MBF	30.1	\$7,024.30
	Mixed Aspen		5.4	MBF		
	Quaking Aspen		5.4	MBF		
	Jack Pine	Pulpwood	228	Cords		
	Mixed Aspen		75	Cords		
	Quaking Aspen		75	Cords		
	Red Pine		28	Cords		
	Red Pine	Sawtimber	2.6	MBF		
	Red Pine	Pulpwood	23	Cords		
	White Pine		15	Cords		
	White Pine	Sawtimber	0.6	MBF		
	White Pine	Pulpwood	14	Cords		
2	Mixed Aspen	Sawtimber	34.5	MBF	14.8	\$7,685.35
	B. T. Aspen		30.4	MBF		
	Quaking Aspen		4.1	MBF		
	Balsam Fir	Pulpwood	18	Cords		
	Balsam Fir	Sawtimber	0.3	MBF		
	Balsam Fir	Pulpwood	17	Cords		
	Jack Pine		9	Cords		
	Mixed Aspen		239	Cords		
	B. T. Aspen		145	Cords		
	Quaking Aspen		94	Cords		
	Red Maple		12	Cords		
	White Pine		27	Cords		
	White Pine	Sawtimber	2.1	MBF		
	White Pine	Pulpwood	23	Cords		
TOTAL:			70.5	MBF		
TOTAL:			651	Cords		

Sale Specific Conditions & Requirements

Sale Name: Jurassic Bark

Sale Number: 53-027-23 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 and red paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. Retention patches are marked with red painted X's; no harvesting activities may occur within these areas. The red and/or blue painted boundary line trees are not Included Timber. 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 and 2, cut all trees that are two (2) inches or more at DBH. In payment unit 1, do not cut any trees marked with green paint above and below stump height; as well as any white pine 10" or greater in diameter at DBH. In payment unit 2, do not cut any red or white pine that are 10" or greater in diameter at DBH. In payment units 1 and 2, do not cut any species of oak, regardless of merchantability.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

Payment Unit 1 must be chip harvested to facilitate natural regeneration. Trees 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 in order to minimize the amount of residual slash. Whole tree harvesting may also be permitted. Regardless, the tops or trees must be skidded in a manner that adequately scarifies the ground. If the deadline is not met, damages will be collected determined by the cost to complete this work. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter does not apply (G. C. & R. 2.2) to payment unit 1 only.

3 - Payments

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 5% 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.

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 large diameter, legacy red and white pine found in Payment Units 1 and 2. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$500 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated 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 chipped, utilized or otherwise removed from the sale.

4.1.4 - Timber removed for construction (3/23)

Trees cut or damaged in the process of pre-approved road, landing or skid trail construction will be decked in an area separate from other Designated Timber and not removed until measured by the sale administrator. Payment will be made at contract prices or average prices, if not on the contract.

4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the sale administrator for specific details of design and placement.

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.

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation, payment unit 2 shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. Processing sites shall not be left with a compacted layer of slash; tops from these sites shall be hauled back into the cut area and scattered.

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, unless changed by written agreement, cutting, skidding, and hauling are to occur in snow free conditions. This restriction is to encourage adequate scarification for natural regeneration.

5.2.4 - Dead and Down Creation

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.

5.2.40 - Pathway protection (10/10)

The High Country Pathway (HCP) is a biking and hiking trail and is shown on the Timber Sale Map. In addition, Sawdust Pile Trail is also part of the Shore to Shore Horse Trail and is indicated on the Timber Sale Map. Although this trail is not within the sale area, it will conflict with the haul route. Do not cut trees or damage posts with blue pathway markers. Maintain a 20-foot wide slash, debris, and rut free zone daily, using the pathway as the centerline. Do not run equipment down the pathway (HCP). Skidding across the trail may only occur in locations approved by the sale administrator (HCP).

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.

5.8 - 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 Sawdust Pile Trail 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 - 027	23

Forest Management Unit Pigeon River State Forest	County Otsego	Mapped By Halabut	Date 09/26/2023	Page 1	of 1
Township 31N	Range 01W	Section(s) and Subdivision(s) 01: E1/2SW, SE. 12: NWNE	Scale 1:15,840		

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 = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium
E = Swamp Hdwoods	M = Mpl, Bch, Brch	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			

PU	Acres
1	30.1
2	14.8

Jurassic Bark

Compartment 049
44.9 Acres

