



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7365**

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on January 11, 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:

The Sharp Side of the Boom (53-011-23) / T32N, R01W, SEC. 6 , NWSW,S1/2SW.
T32N, R01W, SEC. 7 , NWNW.

Otsego County, Advertised Price \$12,807.90, 36.9 Acres, Aspen, Hardwood.

SALE NOTE: Oak wilt restriction on Payment Units 1-3. Roundwood harvesting restriction on Payment Unit 1.

TIMBER SALE INFORMATION

The Sharp Side of the Boom (53-011-23)
T32N, R01W, SEC. 6; T32N, R01W, SEC. 7.
Otsego County (Advertised Price \$12,807.90)

SALE NOTE: Oak wilt restriction on Payment Units 1-3. Roundwood harvesting restriction on Payment Unit 1.

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		
Mixed Aspen	45.4 MBF	\$ 30.00 / MBF
Red Maple	6.5 MBF	\$ 33.00 / MBF
Red Oak	3.6 MBF	\$ 56.00 / MBF
Red Pine	36.4 MBF	\$ 83.00 / MBF
White Pine	13.4 MBF	\$ 65.00 / MBF
Pulpwood		
Balsam Fir	13 Cords	\$ 15.25 / Cord
Mixed Aspen	89 Cords	\$ 14.60 / Cord
Mixed Hardwood	278 Cords	\$ 10.35 / Cord
Paper Birch	6 Cords	\$ 9.40 / Cord
Red Oak	5 Cords	\$ 18.90 / Cord
Red Pine	64 Cords	\$ 29.25 / Cord
White Pine	55 Cords	\$ 13.45 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 22.08 percent. There are an estimated 748 cords on this timber sale, plus or minus 165 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 \$1,280.79 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	49.2%
02	38.5%
03	12.3%
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
59,125	748	22.08%	583	914

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
2	10,495	133	26.89%	97	169
10	20,951	265	34.39%	174	356
15	27,679	350	19.21%	283	418
TOTAL:	59,125	748		554	943

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
2	3.9	3	3.9
10	22.1	1	22.1
15	10.9	2	10.9
TOTAL:	36.9		36.9

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE			
1	Mixed Aspen	Sawtimber	3.8	MBF	22.1	\$6,294.80			
	<i>B. T. Aspen</i>		2.8	<i>MBF</i>					
	<i>Quaking Aspen</i>		1.0	<i>MBF</i>					
	Red Oak		1.0	MBF					
	Red Pine		33.6	MBF					
	White Pine		4.6	MBF					
	Balsam Fir		Pulpwood	3			Cords		
	Mixed Aspen			20			Cords		
	<i>B. T. Aspen</i>			16			<i>Cords</i>		
	<i>Quaking Aspen</i>			4			<i>Cords</i>		
	Mixed Hardwood			55			Cords		
	<i>Red Maple</i>			55			<i>Cords</i>		
	Red Oak			1			Cords		
	Red Pine			57			Cords		
	White Pine			33			Cords		
	2			Mixed Aspen			Sawtimber	28.4	MBF
<i>B. T. Aspen</i>		22.4	<i>MBF</i>						
<i>Quaking Aspen</i>		6.0	<i>MBF</i>						
Red Maple		4.4	MBF						
Red Oak		2.6	MBF						
Red Pine		2.8	MBF						
White Pine		8.8	MBF						
Balsam Fir		Pulpwood	10	Cords					
Mixed Aspen			50	Cords					
<i>B. T. Aspen</i>			33	<i>Cords</i>					
<i>Quaking Aspen</i>			17	<i>Cords</i>					
Mixed Hardwood			154	Cords					
<i>Sugar Maple</i>			Sawtimber	0.8	<i>MBF</i>				
<i>Red Maple</i>				Pulpwood	129	<i>Cords</i>			
<i>Sugar Maple</i>					23	<i>Cords</i>			
Paper Birch			6	Cords					
Red Oak			4	Cords					
Red Pine		7	Cords						
White Pine	13	Cords							
3	Mixed Aspen	Sawtimber	13.2	MBF	3.9	\$1,577.90			
	<i>B. T. Aspen</i>		7.1	<i>MBF</i>					
	<i>Quaking Aspen</i>		6.1	<i>MBF</i>					
	Red Maple		2.1	MBF					
	Mixed Aspen		Pulpwood	19			Cords		
	<i>B. T. Aspen</i>			12			<i>Cords</i>		
	<i>Quaking Aspen</i>			7			<i>Cords</i>		
	Mixed Hardwood			69			Cords		
	<i>Red Maple</i>			54			<i>Cords</i>		
	<i>Sugar Maple</i>			15			<i>Cords</i>		
White Pine	9	Cords							
TOTAL:			105.3	MBF					
TOTAL:			510	Cords					

Sale Specific Conditions & Requirements

Sale Name: The Sharp Side of the Boom

Sale Number: 53-011-23 Seq#: 2

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 paint. Retention patches are marked with red paint (X's); no harvesting activities may occur within these areas. 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 and 3, cut all trees that are two (2) inches or more at DBH, except do not cut trees marked with green paint above and below stump height. In addition, within Payment Unit 3, do not cut any oak. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

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

Within Payment Unit(s) 1, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.2 - Utilization

2.2.6 - Roundwood operation required (3/21)

The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Unit 1. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length. Trees must be harvested or cut to length with in-woods processor in order to retain existing understory.

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. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings. 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.

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 marked with green paint in Payment Units 2 & 3, and any oak trees in Payment Unit 3. 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 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

4.2.5 - 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, the Sale Area shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. Stumps shall be cut low to the ground. In addition, any oak trees cut shall have its own top or an accumulation of adjacent tops piled onto the cut oak stump. It shall be done so in a way to create a mound of slash centered on the stump to help facilitate stump sprouting regeneration. Also, 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

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

Within Payment Unit(s) 1-3, 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

5.2.4.3 - 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.

5.2.4.7 - Dead and down creation: hare, grouse, deer and other species (5/15)

To improve horizontal cover habitat for snowshoe hare, grouse, deer, and other species, the Purchaser is to push over trees marked with pink paint or pink painted "D"s. These trees should be tipped over with the root ball still attached so the base of the tree is suspended off the ground. The crown of the fallen tree should be at or near ground level after it is pushed over. These trees should be pushed over after all designated trees have been cut and skidded to reduce the likelihood of additional damage after felling.

If it becomes impractical or impossible to push trees over, severing or partially severing the tree is acceptable.

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.

5.8 - 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 Range Line Road and Elkhorn Trail prior to beginning operations. The road must be posted at the above mentioned locations to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. Locations can be verified and agreed upon during pre-conference meeting



TIMBER SALE MAP

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

Forest Management Unit Pigeon River State Forest		County Otsego	Mapped By Halabut	Date 08/29/2023	Page 1	of 1
Township 32N	Range 01W	Section(s) and Subdivision(s) 06: NWSW,S1/2SW; 07: NWNW		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	22.1
2	10.9
3	3.9

The Sharp Side of the Boom

Compartment 032 and 034

36.9 Acre

