



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7246**

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on June 8, 2023.**

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:

Deader Valley (53-028-22) / T32N, R02W, SEC. 3, NE, N1/2SE, SESE.

Otsego County, Advertised Price \$17,468.75, 59.8 Acres, Jack Pine, White Pine.

TIMBER SALE INFORMATION

Deader Valley (53-028-22)

T32N, R02W, SEC. 3.

Otsego County (Advertised Price \$17,468.75)

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	42.0 MBF	\$ 36.00 / MBF
Red Pine	11.5 MBF	\$ 157.00 / MBF
White Pine	41.8 MBF	\$ 111.00 / MBF
Pulpwood		
Jack Pine	260 Cords	\$ 17.95 / Cord
Quaking Aspen	14 Cords	\$ 28.45 / Cord
Red Maple	18 Cords	\$ 19.80 / Cord
Red Pine	21 Cords	\$ 66.00 / Cord
White Pine	105 Cords	\$ 25.75 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 28.02 percent. There are an estimated 663 cords on this timber sale, plus or minus 186 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 \$1,746.88 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	22.7%
02	31.8%
03	15.1%
04	11.7%
05	18.7%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2026.

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.

<u>VOLUME</u>		<u>STATISTICAL RANGE IN CORDS</u>		
<u>TOTAL CUBIC FEET</u>	<u>TOTAL CORDS</u>	<u>PERCENT ERROR</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>
52,351	663	28.02%	477	848

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
77	26,901	341	31.92%	232	449
120	25,450	322	46.50%	172	472
TOTAL:	52,351	663		404	921

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
77	40.7	3	13.3
		4	10.6
		5	16.8
120	19.1	1	7.9
		2	11.2
TOTAL:	59.8		59.8

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Jack Pine	Sawtimber	4.0	MBF	7.9	\$3,970.35
	Red Pine		2.3	MBF		
	White Pine		14.3	MBF		
	Jack Pine	Pulpwood	37	Cords		
	Quaking Aspen		6	Cords		
	Red Maple		7	Cords		
	Red Pine		2	Cords		
	White Pine		30	Cords		
2	Jack Pine	Sawtimber	5.6	MBF	11.2	\$5,544.15
	Red Pine		3.4	MBF		
	White Pine		20.2	MBF		
	Jack Pine	Pulpwood	52	Cords		
	Quaking Aspen		8	Cords		
	Red Maple		11	Cords		
	Red Pine		2	Cords		
	White Pine		41	Cords		
3	Jack Pine	Sawtimber	10.6	MBF	13.3	\$2,630.75
	Red Pine		1.9	MBF		
	White Pine		2.4	MBF		
	Jack Pine	Pulpwood	56	Cords		
	Red Pine		6	Cords		
	White Pine		11	Cords		
4	Jack Pine	Sawtimber	8.4	MBF	10.6	\$2,052.30
	Red Pine		1.5	MBF		
	White Pine		1.9	MBF		
	Jack Pine	Pulpwood	45	Cords		
	Red Pine		4	Cords		
	White Pine		9	Cords		
5	Jack Pine	Sawtimber	13.4	MBF	16.8	\$3,271.20
	Red Pine		2.4	MBF		
	White Pine		3.0	MBF		
	Jack Pine	Pulpwood	70	Cords		
	Red Pine		7	Cords		
	White Pine		14	Cords		
TOTAL:			95.3	MBF		
TOTAL:			418	Cords		

Sale Specific Conditions & Requirements

Sale Name: Deader Valley

Sale Number: 53-028-22 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 and green paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with green paint. Retention patches are marked with red X's; no harvesting activities may occur within these areas. Green and red painted boundary line trees are not Included Timber and are to be protected.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1, 3, and 5, cut all trees that are two (2) inches or more at DBH except do not cut oak or trees marked with yellow paint. In addition, in Payment Unit 1 do not cut white pine over 18 inches at DBH or red pine over 10 inches at DBH. Also, in Payment Unit(s) 3 and 5 do not cut red pine over 18 inches at DBH or black cherry over 5 inches at DBH.

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

Within Payment Unit(s) 2 and 4, cut all trees that are two (2) inches or more at DBH except do not cut trees marked with yellow paint above and below stump height.

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(s) 3, 4, and 5. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

2.2.8 - Utilization and removal (5/14)

Whole tree operations are preferred within Payment Units 1 and 2. However, roundwood operations may be allowed if alternative measures are taken to meet scarification needs. This is because of the need to scarify the ground for regeneration.

2.2.10 - No chipping tops and limbs (8/16)

Within Payment Unit(s) 3, 4, and 5, chipping of limbs or tops is not permitted. Limbs and the remaining top must be left on site and scattered.

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 10% of marked leave 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.

In addition, extreme care should be taken to avoid damage to clumps of pine seedlings and saplings that have been marked with yellow paint. These clumps can be found in all Payment Units and are primarily red pine, white pine, and jack pine seedlings. In addition, protect all red and white oak saplings, which can be found in all Payment Units but are most numerous in Payment Unit(s) 3-5.

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

4.2.2 - Fill material (4/07)

To maintain roads, fill material may be needed in areas where "holes" exist or may be expected to develop. This fill material should be placed before trucking begins. Specifically, Honeylocust Trail has several very sandy areas that may require gravel to allow for hauling. Gravel will not be available from adjacent State-owned lands.

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

5.2.2 - 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.

5.2.4 - Dead and Down Creation

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

All trees marked with an orange X must be felled and left onsite 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.

5.4.2 - 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.

5.8 - 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 Honeylocust 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

53-028

Year

22

Forest Management Unit
Pigeon River CountryCounty
OtsegoMapped By Halabut
Cruised By Halabut

Date

09/27/22

Page

1

of
1Township
32NRange
02WSection(s) and Subdivision(s)
03: NE,N1/2SE,SESE

Scale

1:15,840

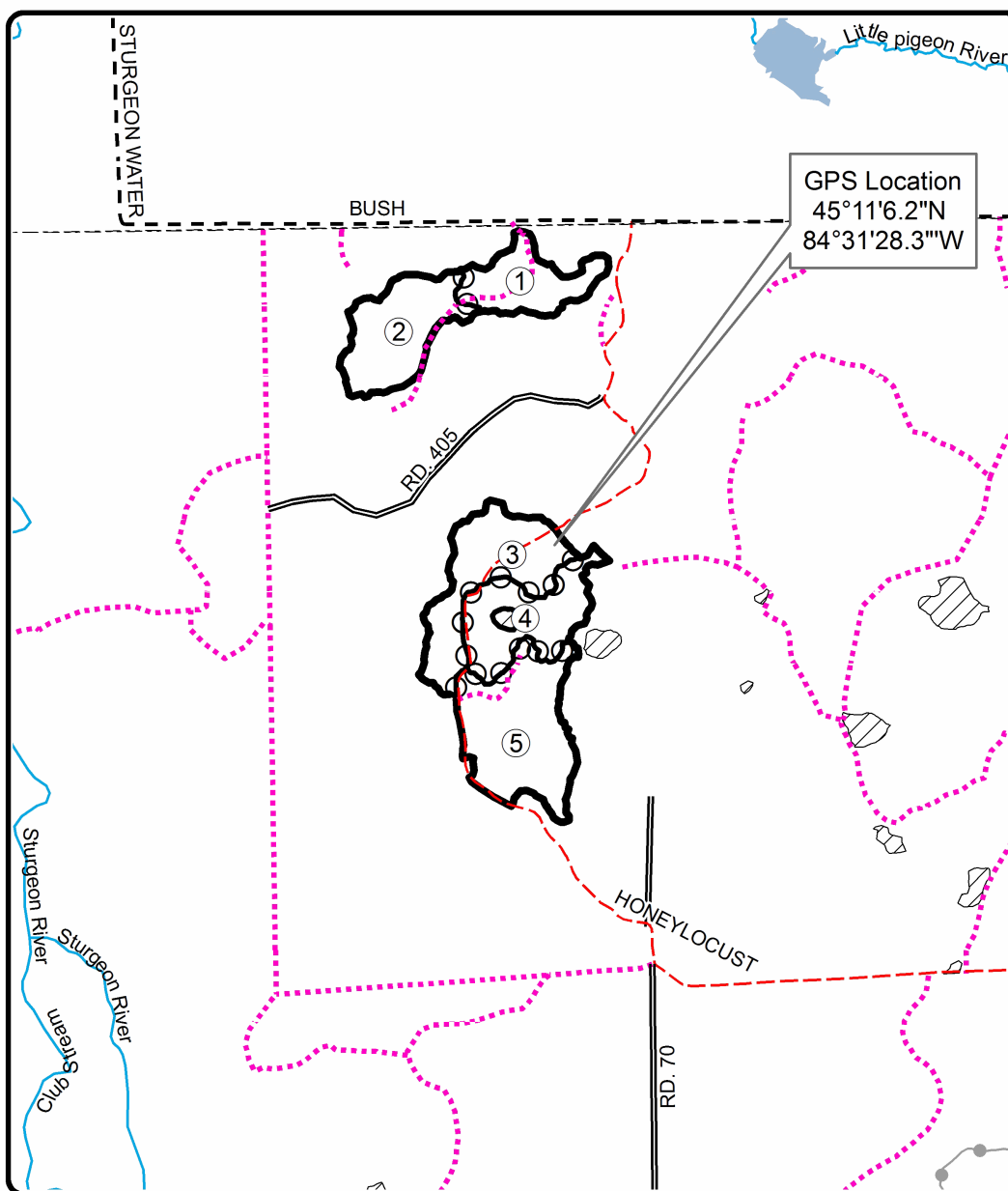
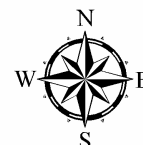
Cover Type

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	

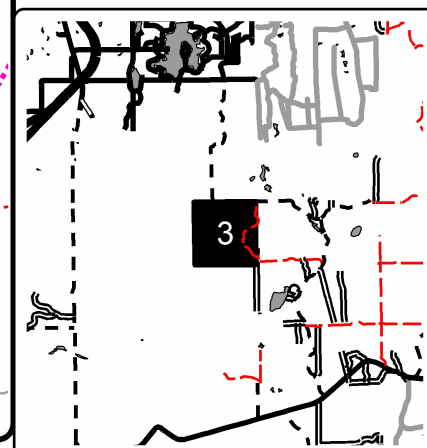
Density

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	7.9	4	10.6
2	11.2	5	16.8
3	13.3		

Deader Valley
Compartment 54
59.8 Acres**Legend**

- Secondary Forest Road
- Gravel Road
- County Road - Seasonal
- Temporary Road
- Perennial River
- Lakes and Rivers
- Retention Area (Red X's)
- Against State (Red)
- Payment Unit (Green)

Locator Map
1:200,000

0 0.125 0.25 0.5 0.75 1 Miles