



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7172**

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on January 26, 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:

The Aspen Narrows (53-020-22) / T34N, R01W, SEC. 31, E1/2NE, NESE.

T34N, R01W, SEC. 32, W1/2NW, NWSW.

Cheboygan County, Advertised Price \$23,366.55, 43.0 Acres, Aspen, Spruce/Fir/Tamarack.

TIMBER SALE INFORMATION

The Aspen Narrows (53-020-22)
T34N, R01W, SEC. 31; T34N, R01W, SEC. 32.
Cheboygan County (Advertised Price \$23,366.55)

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	41.2	MBF	\$	41.00 / MBF
White Spruce	11.5	MBF	\$	29.00 / MBF
Pulpwood				
Balsam Fir	490	Cords	\$	17.95 / Cord
Mixed Aspen	564	Cords	\$	19.25 / Cord
Mixed Hardwood	53	Cords	\$	15.75 / Cord
White Pine	4	Cords	\$	23.80 / Cord
White Spruce	54	Cords	\$	14.10 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 24.32 percent. There are an estimated 1,241 cords on this timber sale, plus or minus 302 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 \$2,336.66 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	41.2%
02	19.0%
03	39.8%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2026.

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.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
98,051	1,241	24.32%	939	1,543

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	98,051	1,241	24.32%	939	1,543
TOTAL:	98,051	1,241		939	1,543

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	43.0	1	17.7
		2	8.2
		3	17.1
TOTAL:	43.0		43.0

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	16.9	MBF	17.7	\$9,634.95
	B. T. Aspen		3.4	MBF		
	Quaking Aspen		13.5	MBF		
	White Spruce		4.7	MBF		
	Balsam Fir		202	Cords		
	Mixed Aspen		233	Cords		
	B. T. Aspen		16	Cords		
	Balsam Poplar		6	Cords		
	Quaking Aspen		211	Cords		
	Mixed Hardwood		22	Cords		
	Paper Birch		9	Cords		
	Red Maple		13	Cords		
	White Pine		1	Cords		
	White Spruce		23	Cords		
2	Mixed Aspen	Sawtimber	7.9	MBF	8.2	\$4,439.10
	B. T. Aspen		1.6	MBF		
	Quaking Aspen		6.3	MBF		
	White Spruce		2.2	MBF		
	Balsam Fir		93	Cords		
	Mixed Aspen		107	Cords		
	B. T. Aspen		7	Cords		
	Balsam Poplar		3	Cords		
	Quaking Aspen		97	Cords		
	Mixed Hardwood		10	Cords		
	Paper Birch		4	Cords		
	Red Maple		6	Cords		
	White Pine		1	Cords		
	White Spruce		10	Cords		
3	Mixed Aspen	Sawtimber	16.4	MBF	17.1	\$9,292.50
	B. T. Aspen		3.3	MBF		
	Quaking Aspen		13.1	MBF		
	White Spruce		4.6	MBF		
	Balsam Fir		195	Cords		
	Mixed Aspen		224	Cords		
	B. T. Aspen		15	Cords		
	Balsam Poplar		6	Cords		
	Quaking Aspen		203	Cords		
	Mixed Hardwood		21	Cords		
	Paper Birch		8	Cords		
	Red Maple		13	Cords		
	White Pine		2	Cords		
	White Spruce		21	Cords		
TOTAL:			52.7	MBF		
TOTAL:			1,165	Cords		

Sale Specific Conditions & Requirements

Sale Name: The Aspen Narrows

Sale Number: 53-020-22 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary is marked and identified by red paint. The 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, cut all trees that are two (2) inches or more at DBH, except do not cut cedar, hemlock, elm, basswood, oak, or any yellow marked trees. In addition, do not cut any red or white pine over 20 inches at DBH, or any black cherry over 5 inches at DBH.

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 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.

Although rare in the timber sale area, extreme care should be taken to avoid damage to oak saplings, some of which have been marked with yellow paint.

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. 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.

4.1.12 - 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, and if deemed necessary by the timber sale administrator, state forest road 14 must be graded. In general, this will require a road grader or bull dozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. 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

4.4.4 - Restricted access (10/05)

Access to Payment Unit 2 must only be from Road 14.

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. 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 - 3, all logging equipment must stay within the Timber Sale Area and may not go outside of the red painted boundary to cross narrow areas that have been excluded from the harvest. This restriction is to protect seasonal water drainages.

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 an orange "X". 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.

5.2.29 - Shrub protection (1/20)

Do not cut or damage hawthorn or junberry (serviceberry). These woody-shrub plants are highly beneficial to various wildlife species. Some of these shrub clumps have been marked with yellow paint.

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.

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

5.8.3 - 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. 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 Webber 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.

**TIMBER SALE MAP***This information provided by authority of Part 525, 1994 PA 451, as amended.*

Sale Number	Year
53 - 020	22

Forest Management Unit Pigeon River Country	County Cheboygan	Mapped By Rekowski	Date 09/25/2022	Page 1	of 1
		Cruised By Halabut			

Township 34N	Range 01W	Section(s) and Subdivision(s) 31: E1/2NE, NESE 32: W1/2NW, NWSW	Scale 1:7,920
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Cover Type

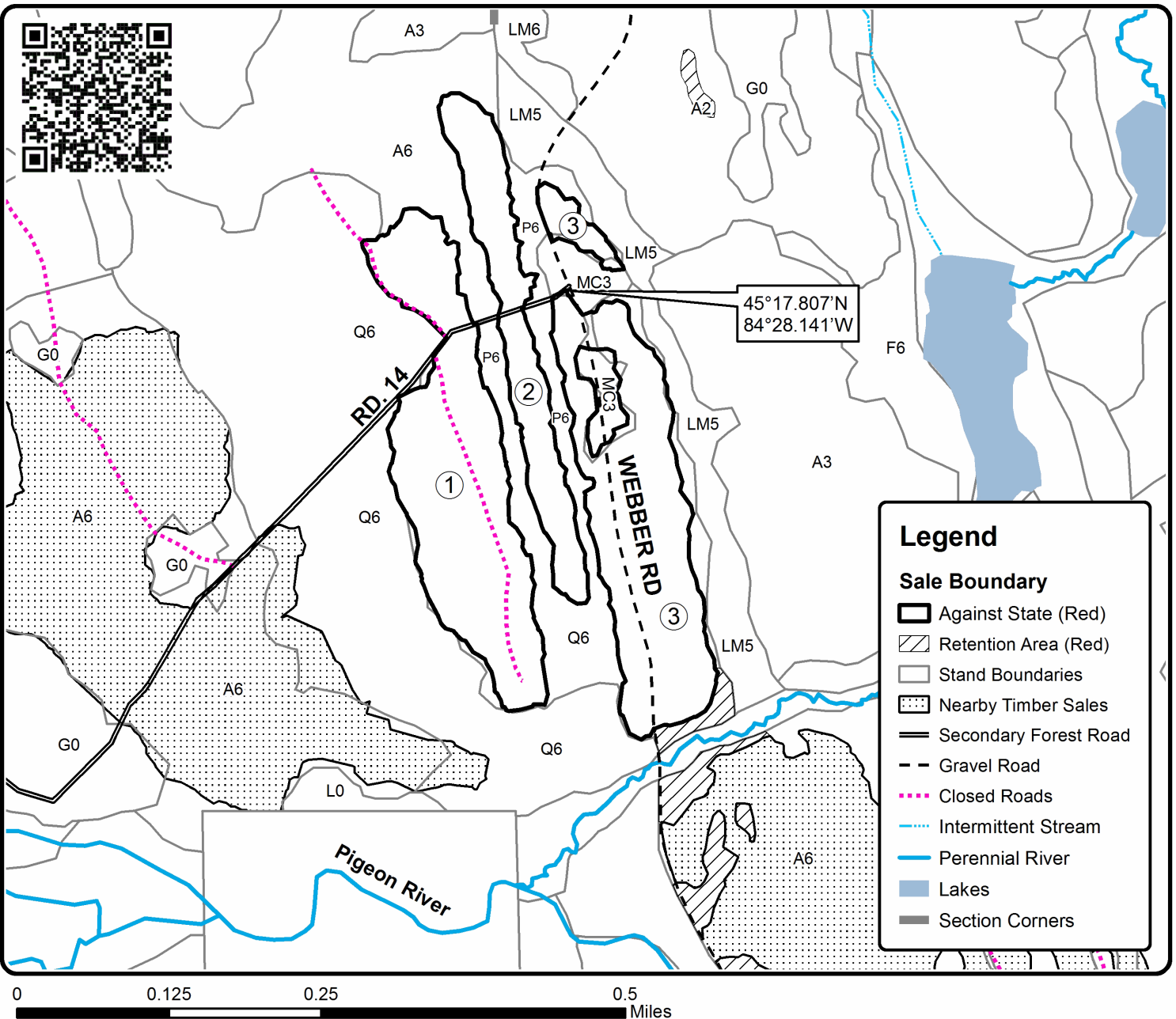
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked
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

1	17.7
2	8.2
3	17.1

The Aspen Narrows**Compartment 002
43 Acres****Legend****Sale Boundary**

- Against State (Red)
- Retention Area (Red)
- Stand Boundaries
- Nearby Timber Sales
- Secondary Forest Road
- Gravel Road
- Closed Roads
- Intermittent Stream
- Perennial River
- Lakes
- Section Corners