

# DEPARTMENT OF NATURAL RESOURCES STATE OF MICHIGAN TIMBER SALE PROSPECTUS #7195

SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on January 25, 2023.

LOCATION: SHINGLETON MGMT UNIT, PO BOX 67, M 28 WEST, SHINGLETON, MI 49884.

<u>CONTACT NAME:</u> Robert Burnham <u>PHONE NUMBER:</u> (906) 420-1645

<u>PROSPECTUS NOTE:</u> 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, SHINGLETON MANAGEMENT UNIT, for certain timber on the following described lands:

Hog Island (41-006-22) / T44N, R13W, SEC. 1, SWNW.

T44N, R13W, SEC. 13, SENW.

T44N, R13W, SEC. 2, SENW, S1/2NE.

T44N, R13W, SEC. 24, SWSE.

T44N, R13W, SEC. 25, NWNE.

Schoolcraft County, Advertised Price \$54,836.85, 97.7 Acres, Aspen, Hardwood.

SALE NOTE: The county must be contacted prior to crossing or harvesting in the county road R-O-W. See Sale Spec 4.3.2 for details.

Within Payment Unit(s) 1, 2, 4 and 5, harvesting is limited to frozen conditions, generally December 1 through March 31 due to wet soils.

County Road 447 is a snowmobile trail. See Sale Spec 5.2.41 for restrictions.

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

#### Hog Island (41-006-22)

T44N, R13W, SEC. 1; T44N, R13W, SEC. 13; T44N, R13W, SEC. 2; T44N, R13W, SEC. 24; T44N, R13W, SEC. 25. Schoolcraft County (Advertised Price \$54,836.85)

SALE NOTE: The county must be contacted prior to crossing or harvesting in the county road R-O-W. See Sale Spec 4.3.2 for details.

Within Payment Unit(s) 1, 2, 4 and 5, harvesting is limited to frozen conditions, generally December 1 through March 31 due to wet soils.

County Road 447 is a snowmobile trail. See Sale Spec 5.2.41 for restrictions.

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:

PRODUCTS & SPECIES	<b>ESTIMATE</b>	D UNITS*	<u>ADVE</u>	ERTISED PRICE
Sawtimber				
Paper Birch	5.2	MBF	\$	101.00 / MBF
Red Maple	60.5	MBF	\$	93.00 / MBF
Sugar Maple	35.7	MBF	\$	291.00 / MBF
Pulpwood				
Balsam Fir	155	Cords	\$	8.15 / Cord
Mixed Aspen	1,323	Cords	\$	19.00 / Cord
Mixed Hardwood	716	Cords	\$	12.70 / Cord
N. White Cedar	90	Cords	\$	4.70 / Cord
Paper Birch	126	Cords	\$	14.30 / Cord
Tamarack	5	Cords	\$	2.05 / Cord
White Spruce	37	Cords	\$	15.35 / Cord

<sup>\*</sup> The total volume is statistically estimated within plus (+) or minus (-) 17.04 percent. There are an estimated 2,594 cords on this timber sale, plus or minus 442 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 \$2,741.84 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	14.2%
02	24.1%
03	50.5%
04	0.9%
05	10.3%

- 4. If no cutting takes place, the 10% down payment will not be refunded.
- 5. Operations on the contract issued will terminate on 06/30/2026.

#### **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.

VOL	UME	STATISTICAL RANGE IN CORD			
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM	
204,888	2,594	17.04%	2,151	3,036	

#### **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
1	29,946	379	27.74%	274	484
2	5,419	69	40.63%	41	96
3	35,632	451	26.34%	332	570
4	99,818	1,264	20.44%	1,005	1,522
5	5,467	69	104.71%	3	142
6	28,606	362	30.51%	252	473
TOTAL:	204,888	2,594		1,900	3,287

#### **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
1	8.0	1	8.0
2	3.4	1	3.4
3	42.7	2	42.7
4	29.0	3	29.0
5	3.8	4	3.8
6	10.8	5	10.8
TOTAL:	97.7		97.7

## **DESCRIPTION OF TIMBER BY PU (PU)**

Paper Birch Red Maple Balsam Fir Red Maple Balsam Fir Mixed Aspen Birch Red Maple Balsam Fir Mixed Aspen Balsam Poplar Mixed Hardwood Balsam Fir Fir Fir Mixed Hardwood Balsam Fir Fir Mixed Hardwood Balsam Fir Fir Fir Mixed Hardwood Balsam	PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
Red Maple   Balsam Fir   Mixed Aspen   Balsam Fir   Mixed Aspen   Balsam Fir   Mixed Hardwood   Seconds   Maple   Mixed Maple   Mixed Maple   Sugar Maple   Mixed Aspen   Mixed Hardwood   Maple   Mixed Hardwood   Mixe							
Balsam Fir   Mixed Aspen   Balsam Poplar   Balsak Ash   111   Cords   Red Maple   Yellow Birch   N. White Cedar   Paper Birch   Balsam Poplar   Balsam Popla	•	I	Gawanison		I		Ψ,,,,,,
Mixed Aspen         264         Cords           Balsam Poplar         2         Cords           Mixed Hardwood         59         Cords           Black Ash         11         Cords           Red Maple         40         Cords           Yellow Birch         8         Cords           N. White Cedar         46         Cords           Paper Birch         18         Cords           White Spruce         16         Cords           Red Maple         Sawtimber         55.0         MBF           Sugar Maple         15.5         MBF         42.7         \$13,232.30           Beech         Red Maple         15.5         MBF         WITCOMS         \$13,232.30           Sugar Maple         138         Cords         Cords         Cords         \$13,232.30           Sugar Maple         138         Cords         Cords         Cords         \$2,00 <td></td> <td>1</td> <td>Pulpwood</td> <td></td> <td>l</td> <td></td> <td></td>		1	Pulpwood		l		
B. T. Aspen   Balsam Poplar   Seconds   Cords   Cords   Cords   Black Ash   Fed Maple   Yellow Birch   Sugar Maple   Sugar Maple   Sugar Maple   Balsam Fir   Mixed Hardwood   Basswood					l		
Balsam Poplar   Saw		I			l		
Mixed Hardwood Black Ash Red Maple Yellow Birch N. White Cedar Paper Birch White Spruce         59 40 60 60 60 60 60 60 60 60 60 60 60 60 60					l		
Black Ash   Red Maple   40   Cords   Red Maple   Yellow Birch   8   Cords   Cords   N. White Cedar   Paper Birch   18   Cords   Mise Spruce   16   Cords   Cords   Sugar Maple   Mixed Aspen   B. T. Aspen   Mixed Aspen   Beech   Black Ash   Paper Birch   Blasam Fir   White Ash   Paper Birch   Balsam Fir   White Ash   Paper Birch   Balsam Fir   Pulpwood   Sugar Maple   Sugar Map		· ·			l		
Red Maple Yellow Birch   N. White Cedar Paper Birch   N. White Spruce   Sawtimber   Sawt					l		
Vellow Birch   N. White Cedar   Paper Birch   White Spruce   16   Cords   Cords   Sugar Maple   Mixed Hardwood   Pulpwood   284   Cords   Sugar Maple   Mixed Hardwood   Pulpwood   284   Cords   Sugar Maple   Sawtimber   138   Cords   Sugar Maple   Suga					I		
N. White Cedar   Paper Birch   18   Cords   Cords   White Spruce   16   Cords   Cords		1			l		
Paper Birch   18				_	l		
White Spruce   16   Cords   Sawtimber   55.0   MBF   42.7   \$13,232.30					l		
2		I			l		
Sugar Maple   Mixed Hardwood   Beech   Sech   Sec	2		Sawtimber			12.7	¢12 222 20
Mixed Hardwood   Beech   Red Maple   138   Cords   Sugar Maple   Yellow Birch   Sugar Maple   Pulpwood   29   Cords   Sugar Maple   Pulpwood   29   Cords   Sugar Maple   Pulpwood   29   Cords   Sugar Maple   Sustimber   Pulpwood   29   Cords   Sugar Maple   Sustimber   Sustimber	2	•	Jawumber		1	42.1	φ13,232.30
Beech Red Maple Sugar Maple Yellow Birch   Sugar Maple Yellow Birch   Sugar Maple Yellow Birch   Sugar Maple Balsam Fir Mixed Aspen Basswood   Sugar Maple Balsam Fir Mixed Hardwood Basswood   Sugar Maple Balsam Fir Mixed Hardwood Basswood   Sugar Maple Sugar Maple White Ash Paper Birch   Pulpwood   Sugar Maple White Spruce   Sugar Maple Sugar Maple Sugar Maple Sugar Maple Sugar Maple White Spruce   Sugar Maple Sugar Mapl		· ·	Dulpurood		l		
Red Maple   Sugar Maple   Sugar Maple   Yellow Birch   2   Cords   2   Cords   2   Cords   2   Cords   3   Sugar Maple   Balsam Fir   Mixed Aspen   B. T. Aspen   Mixed Hardwood   Mixed Hardwo			Pulpwood		l		
Sugar Maple   Yellow Birch   2   Cords					l		
Yellow Birch   2   Cords		1			l		
Sugar Maple   Balsam Fir   Mixed Aspen   B. T. Aspen   Mixed Mardwood   Basswood   Beech   Mixed Mardwood   Black Cherry   Mixed Aspen   Mixed Mardwood   Mix					l		
Balsam Fir   Mixed Aspen   845   Cords   Red Maple			0 " 1			20.0	#07.000.0F
Mixed Aspen       845       Cords         B. T. Aspen       314       Cords         Quaking Aspen       311       Cords         Mixed Hardwood       311       Cords         Basswood       15       Cords         Beech       10       Cords         Black Cherry       11       Cords         Red Maple       18       Cords         Sugar Maple       193       Cords         White Ash       64       Cords         Paper Birch       108       Cords         4       Balsam Fir       Pulpwood       17       Cords         Mixed Hardwood       9       Cords         White Spruce       5       Cords         5       Balsam Fir       Pulpwood       83       Cords         Mixed Aspen       212       Cords         B. T. Aspen       212       Cords         Mixed Hardwood       53       Cords         Red Maple       11       Cords         N. White Cedar       5       Cords         Tords       5       Cords         N. White Cedar       5       Cords         Tords       5       Cords      <	3				l	29.0	\$27,663.65
B. T. Aspen   31			Pulpwood		l		
Quaking Aspen Mixed Hardwood         31         Cords           Basswood Beech Black Cherry Red Maple Sugar Maple White Ash Paper Birch         10         Cords Cords Cords           4         Balsam Fir Mixed Hardwood Black Ash N. White Cedar White Spruce         Pulpwood         17         Cords Cords         3.8         \$512.90           5         Balsam Fir Mixed Aspen B. T. Aspen Mixed Hardwood Red Maple Sugar Maple N. White Cedar Tamarack White Spruce         Pulpwood         83 Cords Cords Cords Cords Tamarack White Spruce         10.8         \$5,656.90           TOTAL:         101.4         MBF					l		
Mixed Hardwood         311         Cords           Basswood         15         Cords           Beech         10         Cords           Black Cherry         11         Cords           Red Maple         18         Cords           Sugar Maple         193         Cords           White Ash         64         Cords           Paper Birch         108         Cords           4         Balsam Fir         Pulpwood         9           Mixed Hardwood         9         Cords           Black Ash         9         Cords           N. White Spruce         5         Cords           5         Balsam Fir         Pulpwood         83         Cords           Mixed Aspen         212         Cords           B. T. Aspen         212         Cords           Mixed Hardwood         53         Cords           Red Maple         11         Cords           N. White Cedar         5         Cords           N. White Cedar         5         Cords           Tamarack         5         Cords           White Spruce         101.4         MBF		· · · · · · · · · · · · · · · · · · ·			l		
Basswood   Beech   Black Cherry					l		
Beech   Black Cherry   Red Maple   Sugar Maple   White Ash   Paper Birch   Pulpwood   Pulpwood   Sudak Shire   Sud					l		
Black Cherry   Red Maple   18   Cords				_	l		
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Sugar Maple   White Ash   Paper Birch   108   Cords		-			l		
White Ash   Paper Birch   108   Cords		•			1		
Paper Birch					I		
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Mixed Hardwood       9       Cords         Black Ash       9       Cords         N. White Cedar       39       Cords         White Spruce       5       Cords         5       Balsam Fir Pulpwood       83       Cords       10.8       \$5,656.90         Mixed Aspen       212       Cords       Co		Paper Birch		108	Cords		
Black Ash   9   Cords	4		Pulpwood	17	Cords	3.8	\$512.90
N. White Cedar White Spruce       39       Cords         5       Balsam Fir Mixed Aspen       Pulpwood       83       Cords       10.8       \$5,656.90         B. T. Aspen Mixed Hardwood Mixed Hardwood Red Maple Sugar Maple N. White Cedar Tamarack White Spruce       11       Cords Cords       Cords		Mixed Hardwood		9	I		
White Spruce         5         Cords           5         Balsam Fir Mixed Aspen         Pulpwood         83         Cords         10.8         \$5,656.90           Mixed Aspen         212         Cords         Cords </td <td></td> <td></td> <td></td> <td>9</td> <td>Cords</td> <td></td> <td></td>				9	Cords		
5         Balsam Fir Mixed Aspen         Pulpwood         83         Cords Cords         10.8         \$5,656.90           B. T. Aspen Mixed Hardwood Red Maple Sugar Maple N. White Cedar Tamarack White Spruce         11         Cords Cords Cords         11         Cords Cords Cords Cords         11         Cords Cord		N. White Cedar		39	Cords		
Mixed Aspen         212         Cords           B. T. Aspen         212         Cords           Mixed Hardwood         53         Cords           Red Maple         11         Cords           Sugar Maple         42         Cords           N. White Cedar         5         Cords           Tamarack         5         Cords           White Spruce         16         Cords		White Spruce		5	Cords		
B. T. Aspen         212         Cords           Mixed Hardwood         53         Cords           Red Maple         11         Cords           Sugar Maple         42         Cords           N. White Cedar         5         Cords           Tamarack         5         Cords           White Spruce         16         Cords	5	Balsam Fir	Pulpwood	83	Cords	10.8	\$5,656.90
Mixed Hardwood Red Maple Sugar Maple N. White Cedar Tamarack White Spruce  TOTAL:  Mixed Hardwood S3 Cords Cords Cords Cords Cords Cords Tamarack MBF		Mixed Aspen		212	Cords		
Red Maple Sugar Maple N. White Cedar Tamarack White Spruce  TOTAL:  11		B. T. Aspen		212	Cords		
Sugar Maple N. White Cedar Tamarack White Spruce  TOTAL:  Sugar Maple Cords Cords Cords Cords Tords Tords Tords Tords Tords Tords Tords Tords Tords		Mixed Hardwood		53	Cords		
N. White Cedar Tamarack White Spruce  TOTAL:  5 Cords Cords Cords Total MBF		Red Maple		11	Cords		
Tamarack White Spruce  TOTAL:  5 Cords Cords TOTAL:  101.4 MBF		Sugar Maple		42	Cords		
White Spruce 16 Cords  TOTAL: 101.4 MBF		N. White Cedar		5	Cords		
TOTAL: 101.4 MBF		Tamarack		5	Cords		
		White Spruce		16	Cords		
TOTAL: 2,452 Cords			TOTAL:	101.4	MBF		-
			TOTAL:	2,452	Cords		

## **Sale Specific Conditions & Requirements**

Sale Name: Hog Island Sale Number: 41-006-22 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. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. 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, 3 & 5, cut all aspen and hardwood trees that are two (2) inches or more at DBH. In addition, cut all other trees that meet minimum piece specifications in 2.2 Utilization.

## 2.1.2 - Clearcut unit(s) w/o unmerchantable trees (8/11)

Within Payment Unit(s) 4, cut all trees which meet minimum piece specifications in 2.2 Utilization.

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

Within Payment Unit(s) 2, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

#### 3 - Payments

#### 3.3 - Pre-measured Sales

#### 3.3.4 - Dividing payment units (7/14)

Payment Unit(s) with a value greater than \$20,000 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.

#### 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.

## 4.1.4 - Timber removed for construction (12/09)

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 the specified Purchase Unit Price.

#### 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 within 30 days of completion of hauling. Overgrown roads

that are reopened shall be considered new roads. In general, this will require constructing double earthen berms at strategic locations. These roads must be rendered impassable to cars and trucks. Contact the sale administrator for specific details of design and placement.

## 4.3 - Public Right-of-Way

#### 4.3.2 - County R-O-W (12/06)

The county must be contacted prior to crossing or harvesting in the county road R-O-W. This applies to Payment Units 1-5 and County Roads 447, Burns Road, and Zellar Road.

#### 5 - Operations

#### 5.1 - Notification

#### 5.1.6 - Utility R.O.W. (4/19)

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the power line R.O.W. for operations. This applies to Payment Units 2 & 3.

### 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, 4, and 5, unless changed by written agreement, cutting, skidding, and hauling are limited frozen conditions. This period is generally from (but not limited to) December 1 thru March 31. This restriction is due to wet soils.

#### 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. No decking of forest products will be permitted in the powerline R.O.W.

## 5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

#### 5.2.41 - Snowmobile trail protection (9/11)

County Road 447 is a snowmobile trail. Do not cut or damage posts with orange trail markers or traffic control signs. Maintain a 20 foot wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail.

#### 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 April 1 to July 30. 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 nearby County 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.

## 6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on County Road 447 prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail 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.

Section Name: Sale Specific Current as of 12/15/2022 8:43:55AM

O MATERIAL STATES	Michigar	Sale Number Year				
DNR		TIMBER S		20		
Forest Management Ur	<i>This inform</i>	nation provided by authority County	of Part 5, 1994 PA 451 Mapped By 7. B ப	, as amended.		<b>22</b>   Page of
Shingle to r Compartment Number		Schoolcraft	Cruised By 7, Ba	1165	4/1/22	1 12
		Township 44 N	Range 13	Secti	on(s) and Subdivision(	s)SWNW
	0 7 Co	ver Type	13 (	N 2	<i>Sと</i> がし Density	V. 5 /2 NE
A = Aspen B = Paper Birch	J = Jack Pine	O = Oak	U = Upland Brush	. 0 = Non Stocked		Timber Medium
C = Cedar D = Treed Bog	K = Rock L = Lowland Brush	P = Lowland Poplar Q = Mixed Swamp Conifer	UM =Upland Mix Fores V = Bog or Marsh	1 = Seedling Sap 2 = Seedling Sap	ling Poor 6 = Pole 1	Timber Well Timber Poor
E = Swamp Hardwoods F = Spruce/Fir	LM = Lowland Mix For M ≈ Maple, Beech, Bir MC = Mixed Conifer	rest R = Red Pine rch S = Black Spruce T = Tamarack	W = White Pine X = Non Stocked	3 = Seedling Sap 4 = Pole Timber	ling Well 8 = Saw	Timber Medium Timber Weil
G = Grass H = Hemlock	MD = Mixed Deciduou N = Marsh		Y = Sand Z = Water			
117-Tremilock				· · · · · · · · · · · · · · · · · · ·		
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	Super or	ZELLAR GRAVEL 12 PIT	<u>ىرى</u> <u>ب</u>	2 11.4	The second secon	Blue Paint
1	CO PASE IX COM	Sale	The state of the s	2 43.7 3 29.0	000	Vellow Paint
	FASK	P (Area)		4. 3.8 5 10.8		Red Paint
	STEMPT	3	77	ital 97.7	=====	Dirt Road
	22 CO P447	<b>ts</b> 1				GravelRoad
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