



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7115**

SCHEDULED SALE DATE AND TIME: 3:00 p.m. (local time) on September 30, 2022.

LOCATION: ESCANABA MGMT UNIT, 6833 HWY'S 2, 41 & M-35, GLADSTONE, MI 49837.

CONTACT NAME: Eric Thompson

PHONE NUMBER: (906) 789-8231

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, ESCANABA MANAGEMENT UNIT, for certain timber on the following described lands:

Forestville Hardwoods (33-001-22) / T43N, R22W, SEC. 10, NESW,SWSW.

T43N, R22W, SEC. 15, NW,NWSW.

T43N, R22W, SEC. 16, SENE,NESE.

T43N, R22W, SEC. 9 , SESE.

Delta County, Advertised Price \$33,470.50, 107.1 Acres, Hardwood, Sugar Maple.

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

Contact the Escanaba Forest Resources Division office Forester Dan Racine at 906-789-8229 for the landowner contact information and access to through the gates. The ash in the area has been impacted by Emerald Ash Borer with trees standing within the Sale Area cruised as Miscellaneous species.

Access may be through private land.

TIMBER SALE INFORMATION

Forestville Hardwoods (33-001-22)

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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		
Basswood	25.1 MBF	\$ 27.00 / MBF
Red Maple	55.0 MBF	\$ 123.00 / MBF
Sugar Maple	134.4 MBF	\$ 130.00 / MBF
Yellow Birch	2.8 MBF	\$ 25.00 / MBF
Pulpwood		
Balsam Fir	16 Cords	\$ 9.80 / Cord
Misc. Species 1	127 Cords	\$ 1.10 / Cord
Mixed Hardwood	482 Cords	\$ 13.35 / Cord
Mixed Spruce	17 Cords	\$ 10.40 / Cord
Quaking Aspen	98 Cords	\$ 16.10 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 14.22 percent. There are an estimated 1,196 cords on this timber sale, plus or minus 170 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 \$1,673.53 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	8.3%
02	20.8%
03	26.5%
04	25.9%
05	18.5%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2025.

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
94,482	1,196	14.22%	1,026	1,366

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
40	11,298	143	43.08%	81	205
50	83,184	1,053	15.60%	889	1,217
TOTAL:	94,482	1,196		970	1,422

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
40	10.4	1	10.4
50	96.7	2	21.9
		3	27.9
		4	27.3
		5	19.6
TOTAL:	107.1		107.1

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Sawtimber	3.4	MBF	10.4	\$2,782.55
	Balsam Fir	Pulpwood	5	Cords		
	Misc. Species 1		3	Cords		
	Mixed Hardwood		55	Cords		
	<i>Black Ash</i>		4	Cords		
	<i>Paper Birch</i>		20	Cords		
	<i>Red Maple</i>		13	Cords		
	<i>Sugar Maple</i>		13	Cords		
	<i>Yellow Birch</i>		5	Cords		
	Quaking Aspen		98	Cords		
2	Basswood	Sawtimber	5.7	MBF	21.9	\$6,956.75
	Red Maple		11.7	MBF		
	Sugar Maple		30.4	MBF		
	Yellow Birch		0.6	MBF		
	Balsam Fir	Pulpwood	3	Cords		
	Misc. Species 1		28	Cords		
	Mixed Hardwood		97	Cords		
	<i>Basswood</i>		3	Cords		
	<i>Red Maple</i>		23	Cords		
	<i>Sugar Maple</i>		70	Cords		
	<i>Yellow Birch</i>		1	Cords		
	Mixed Spruce		4	Cords		
	<i>Black Spruce</i>		1	Cords		
	<i>White Spruce</i>		3	Cords		
3	Basswood	Sawtimber	7.2	MBF	27.9	\$8,865.25
	Red Maple		14.8	MBF		
	Sugar Maple		38.9	MBF		
	Yellow Birch		0.8	MBF		
	Balsam Fir	Pulpwood	3	Cords		
	Misc. Species 1		36	Cords		
	Mixed Hardwood		123	Cords		
	<i>Basswood</i>		4	Cords		
	<i>Red Maple</i>		29	Cords		
	<i>Sugar Maple</i>		89	Cords		
	<i>Yellow Birch</i>		1	Cords		
	Mixed Spruce		6	Cords		
	<i>Black Spruce</i>		2	Cords		
	<i>White Spruce</i>		4	Cords		
4	Basswood	Sawtimber	7.1	MBF	27.3	\$8,659.35
	Red Maple		14.6	MBF		
	Sugar Maple		37.9	MBF		
	Yellow Birch		0.8	MBF		
	Balsam Fir	Pulpwood	3	Cords		
	Misc. Species 1		35	Cords		
	Mixed Hardwood		121	Cords		
	<i>Basswood</i>		4	Cords		
	<i>Red Maple</i>		29	Cords		
	<i>Sugar Maple</i>		87	Cords		
	<i>Yellow Birch</i>		1	Cords		
	Mixed Spruce		4	Cords		
	<i>Black Spruce</i>		1	Cords		
	<i>White Spruce</i>		3	Cords		
5	Basswood	Sawtimber	5.1	MBF	19.6	\$6,206.60
	Red Maple		10.5	MBF		
	Sugar Maple		27.2	MBF		

DESCRIPTION OF TIMBER BY PU (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	Yellow Birch	Sawtimber	0.6	MBF		
	Balsam Fir	Pulpwood	2	Cords		
	Misc. Species 1		25	Cords		
	Mixed Hardwood		86	Cords		
	<i>Basswood</i>		3	<i>Cords</i>		
	<i>Red Maple</i>		20	<i>Cords</i>		
	<i>Sugar Maple</i>		62	<i>Cords</i>		
	<i>Yellow Birch</i>		1	<i>Cords</i>		
	Mixed Spruce		3	Cords		
	<i>Black Spruce</i>		1	<i>Cords</i>		
	<i>White Spruce</i>		2	<i>Cords</i>		
TOTAL:			217.3	MBF		
TOTAL:			740	Cords		

Sale Specific Conditions & Requirements

Sale Name: Forestville Hardwoods

Sale Number: 33-001-22 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, cut all trees that are three (3) inches or more at DBH.

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

Within Payment Unit(s) 2-5, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. All ash is designated for cutting, regardless of merchantability, unless those ash trees pose a safety hazard.

2.1.11 - Description of timber note (2/04)

Note that Miscellaneous species is dead ash.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) with a value of \$18,000 dollars or greater 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. There will be only one division per Payment Unit.

4 - Transportation

4.1 - Construction

4.1.5 - Culverts (5/14)

Roads may require the installation of culverts for cross drainage or at natural drainage-ways. If culverts are needed in these locations, their placement will be specified by the sale administrator, and they shall be installed prior to hauling. The culverts shall be new, corrugated metal or plastic gauge. Culverts will be a minimum of 18 inches in diameter and 24 feet in length. If culverts are removed, fill shall be removed from wetland soils as specified. Soils shall be maintained and left in a non-erodible condition, with water bars, seed, fertilizer, mulch, and slash installed as directed by the sale administrator and as specified in the BMP manual. Stream crossing permits, if needed, will be obtained by the DNR.

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.

4.2 - 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. Contact the sale administrator regarding the availability of onsite sand or gravel from adjacent State-owned lands.

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer 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.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land has been obtained by the DNR. It is the responsibility of the Purchaser to contact the private landowner for access through the gates. Contact the Escanaba Forest Resources Division office for landowner contact information.

5 - Operations

5.2 - Conduct of Operations

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1-5, unless changed by written agreement, cutting, skidding, and hauling are not permitted during the period of November 14 to December 1. This restriction is because operations are not permitted during the firearm deer season.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 2-5, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 1-5, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because access through the private landowner has been requested during winter months if possible. The southern portion of Payment Unit 1 has low and wet ground.

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 50 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.

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 the Forest R.1 road prior to beginning operations. The road must be posted at appropriate distances from the Sale Area during hauling operations 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.

7 - Other Conditions

7.5 - Loss

7.5.1 - Deteriorating timber (7/09)

The sale area has received damage from the Emerald Ash Borer (EAB). The Purchaser should harvest the wood as soon as possible. The Department of Natural Resources is held free of responsibility of any further damage or deterioration due to delay in harvesting. Most of the existing ash has received damage with some viable merchantable products at this point.

**TIMBER SALE MAP**

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

Sale Number	Year
33-001	22

Forest Management Unit Escanaba	County Delta	Mapped By Racine	Date 06/10/2022	Page 1	of 1
Township 43N	Range 22W	Section(s) and Subdivision(s) 9)SESE 10)NESW,SWSW 15) NW,NWSW 16)SENE,NESE	Scale 1:15,840		

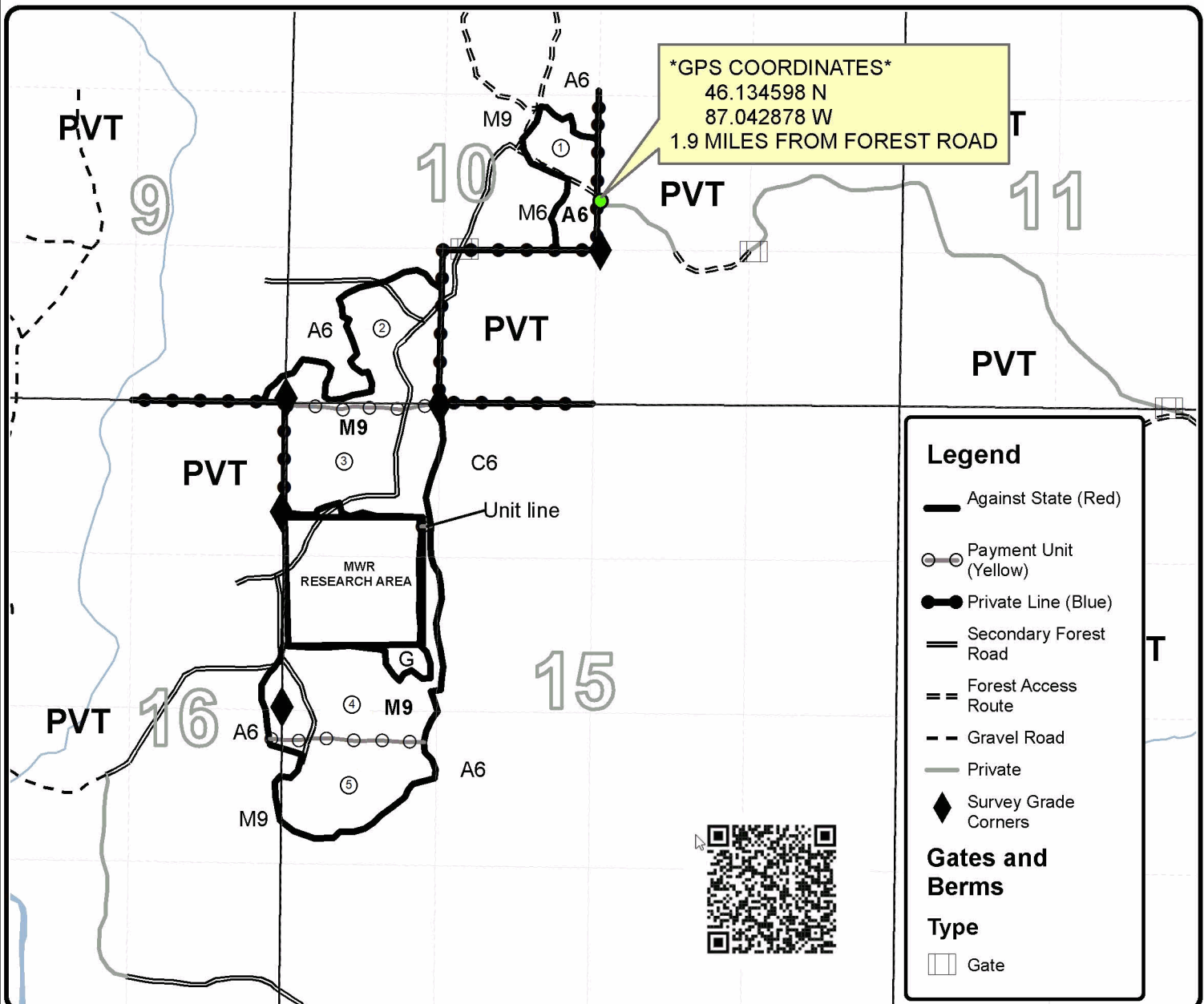
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	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	PU	Acres
1	10.4	4	27.3
2	21.9	5	19.6
3	27.9		

Forestville Hardwoods

Compartment 093

107.1 Acres



0 0.125 0.25 0.5 0.75 1 Miles