



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6929

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on October 27, 2021.**

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:

Engineer Maple (33-004-21) / T43N, R22W, SEC. 17, SWSE.

T43N, R22W, SEC. 20, SENW, N1/2NE, SWNE, N1/2SW.

Delta County, Advertised Price \$26,735.45, 81.2 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.

See Sale Spec 4.4.1 for easier access to some Payment Units through private property.

Access may be through private land.

TIMBER SALE INFORMATION

Engineer Maple (33-004-21)

T43N, R22W, SEC. 17; T43N, R22W, SEC. 20.

Delta County (Advertised Price \$26,735.45)

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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	18.9 MBF	\$ 33.00 / MBF
Green Ash	2.4 MBF	\$ 31.00 / MBF
Paper Birch	0.9 MBF	\$ 56.00 / MBF
Red Maple	99.7 MBF	\$ 75.00 / MBF
Sugar Maple	36.7 MBF	\$ 114.00 / MBF
Yellow Birch	19.5 MBF	\$ 31.00 / MBF
Pulpwood		
Balsam Fir	54 Cords	\$ 12.70 / Cord
Mixed Hardwood	814 Cords	\$ 15.30 / Cord
Mixed Spruce	11 Cords	\$ 12.65 / Cord
Quaking Aspen	26 Cords	\$ 17.00 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 9.65 percent. There are an estimated 1,437 cords on this timber sale, plus or minus 139 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 \$1,336.77 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	19.3%
02	31.1%
03	21.9%
04	24.3%
05	3.4%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 09/30/2024.

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
113,517	1,437	9.65%	1,298	1,576

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
4	3,421	43	24.74%	33	54
18	35,821	453	12.47%	397	510
19	46,707	591	16.99%	491	692
23	13,631	173	18.78%	140	205
TOTAL:	99,580	1,261		1,060	1,461

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
4	2.0	5	2.0
18	27.4	2	27.4
19	28.5	3	13.5
		4	15.0
23	23.3	1	23.3
TOTAL:	81.2		81.2

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	8.2	MBF	23.3	\$5,170.80
	Sugar Maple		30.1	MBF		
	Mixed Hardwood	Pulpwood	96	Cords		
	<i>Basswood</i>		4	<i>Cords</i>		
	<i>Red Maple</i>		8	<i>Cords</i>		
	<i>Sugar Maple</i>		84	<i>Cords</i>		
2	Basswood	Sawtimber	10.7	MBF	27.4	\$8,300.25
	Red Maple		26.0	MBF		
	Sugar Maple		2.6	MBF		
	Balsam Fir	Pulpwood	24	Cords		
	Mixed Hardwood		318	Cords		
	<i>Basswood</i>		5	<i>Cords</i>		
	<i>Black Ash</i>		30	<i>Cords</i>		
	<i>Green Ash</i>		7	<i>Cords</i>		
	<i>Paper Birch</i>		8	<i>Cords</i>		
	<i>Red Maple</i>		214	<i>Cords</i>		
	<i>Sugar Maple</i>		34	<i>Cords</i>		
	<i>Yellow Birch</i>		20	<i>Cords</i>		
	Mixed Spruce		7	Cords		
	<i>Black Spruce</i>		7	<i>Cords</i>		
	Quaking Aspen		26	Cords		
3	Green Ash	Sawtimber	1.1	MBF	13.5	\$5,859.00
	Red Maple		32.7	MBF		
	Sugar Maple		1.9	MBF		
	Yellow Birch		9.2	MBF		
	Balsam Fir	Pulpwood	14	Cords		
	Mixed Hardwood		176	Cords		
	<i>Green Ash</i>		2	<i>Cords</i>		
	<i>Paper Birch</i>		9	<i>Cords</i>		
	<i>Red Maple</i>		146	<i>Cords</i>		
	<i>Sugar Maple</i>		5	<i>Cords</i>		
	<i>Yellow Birch</i>		14	<i>Cords</i>		
4	Green Ash	Sawtimber	1.3	MBF	15.0	\$6,508.20
	Red Maple		36.3	MBF		
	Sugar Maple		2.1	MBF		
	Yellow Birch		10.3	MBF		
	Balsam Fir	Pulpwood	16	Cords		
	Mixed Hardwood		195	Cords		
	<i>Green Ash</i>		2	<i>Cords</i>		
	<i>Paper Birch</i>		9	<i>Cords</i>		
	<i>Red Maple</i>		163	<i>Cords</i>		
	<i>Sugar Maple</i>		6	<i>Cords</i>		
	<i>Yellow Birch</i>		15	<i>Cords</i>		
5	Paper Birch	Sawtimber	0.9	MBF	2.0	\$897.20
	Red Maple		4.7	MBF		
	Mixed Hardwood	Pulpwood	29	Cords		
	<i>Paper Birch</i>		8	<i>Cords</i>		
	<i>Red Maple</i>		21	<i>Cords</i>		
	Mixed Spruce		4	Cords		
	<i>White Spruce</i>		4	<i>Cords</i>		
TOTAL:			178.1	MBF		
TOTAL:			905	Cords		

Sale Specific Conditions & Requirements

Sale Name: Engineer Maple

Sale Number: 33-004-21 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. Retention patches are marked with red paint; 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. 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) 2 and 5, cut all trees that are three (3) inches or more at DBH, except northern white cedar. In addition, within Payment Unit 2 leave all trees marked with green paint above and below stump height.

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.

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

Within Payment Unit(s) 3 and 4, cut all trees that are three (3) inches or more at DBH, except northern white cedar and trees marked with green paint above and below stump height.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) with a contract bid value of \$18,000 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.

4 - Transportation

4.1 - Construction

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. 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.

4.2 - 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 is the responsibility of the Purchaser.

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.

5.2.3 - Operating Restrictions

5.2.3.2 - Operating restrictions (9/11)

Within Payment Unit(s) 3-5, unless changed by written agreement, cutting, skidding, and hauling are limited to the period of December 1 to March 31, or dry summer or frozen winter conditions. This restriction is because access is through low wet ground.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1, 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.

5.2.38 - 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 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.

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 the Engineer Road and County Road 432 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
33 - 004	21

Forest Management Unit	County	Mapped By	Date	Page	of
Escanaba	Delta	Urich	05/06/2021	1	1
Cruised By					
Urich					

Township	Range	Section(s) and Subdivision(s)	Scale
43N	22W	SWSE Sec.17, SENW,N1/2NE,SWNE,N1/2SW Sec.20	1:7,920

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 Hardwoods	M = Mpl. Ech. Birch	R = Red Pine	X = Non Stocked
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water
G = Cress	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	23.3	4	15
2	27.4	5	2
3	13.5		

Engineer Maple
Compartment 98
81.2 Acres**Legend**

- Primary Forest Road
- Forest Access Route
- Gravel Road
- Private
- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Section Corners
- Retention Area

