



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN**

**TIMBER SALE PROSPECTUS #6910**

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on July 13, 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:

Grasshopper Pine (33-002-21) / T41N, R22W, SEC. 13, NW,NWNE,S1/2NE,N1/2SW,W1/2SE.

T41N, R22W, SEC. 14, S1/2NE,NESE.

Delta County, Advertised Price \$103,715.95, 187.8 Acres, Hardwood, Red Pine.

SALE NOTE: The Sale Area is in the vicinity of the pipeline/powerline and ORV/snowmobile trail. The contact information and related contract specifications are included in the sale specific cutting specifications.

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

### Grasshopper Pine (33-002-21)

T41N, R22W, SEC. 13; T41N, R22W, SEC. 14.

Delta County (Advertised Price \$103,715.95)

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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:

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>		<u>ADVERTISED PRICE</u>	
Sawtimber				
Paper Birch	44.0	MBF	\$	45.00 / MBF
Red Maple	35.2	MBF	\$	77.00 / MBF
Pulpwood				
Balsam Fir	271	Cords	\$	12.55 / Cord
Mixed Hardwood	645	Cords	\$	16.50 / Cord
Quaking Aspen	262	Cords	\$	14.80 / Cord
Red Pine	2,025	Cords	\$	39.60 / Cord
White Pine	43	Cords	\$	17.35 / Cord
White Spruce	13	Cords	\$	12.95 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 4.89 percent. There are an estimated 3,447 cords on this timber sale, plus or minus 169 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 \$5,185.80 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	5.7%
02	8.2%
03	20.2%
04	14.7%
05	14.2%
06	12.2%
07	5.9%
08	5.5%
09	2.3%
10	3.3%
11	7.8%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2024.

### **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
272,329	3,447	4.89%	3,278	3,616

## 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
8	111,674	1,414	12.86%	1,232	1,595
70	1,126,809	14,263	5.84%	13,430	15,097
75	106,171	1,344	10.84%	1,198	1,490
<b>TOTAL:</b>	<b>1,344,655</b>	<b>17,021</b>		<b>15,860</b>	<b>18,182</b>

## 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
8	26.1	7	13.5
		8	12.6
		1	9.4
		2	13.4
		3	33.1
		4	24.1
70	127.3	5	23.4
		6	20.1
		9	3.8
		10	10.3
		11	24.1
75	34.4		
<b>TOTAL:</b>	<b>187.8</b>		<b>187.8</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Hardwood <i>Paper Birch</i> Red Pine	Pulpwood	1	Cords	9.4	\$5,956.50
			1	Cords		
			150	Cords		
2	Balsam Fir Mixed Hardwood <i>Paper Birch</i> Red Pine	Pulpwood	1	Cords	13.4	\$8,463.85
			1	Cords		
			1	Cords		
			213	Cords		
3	Balsam Fir Mixed Hardwood <i>Paper Birch</i> Red Pine	Pulpwood	1	Cords	33.1	\$20,914.75
			2	Cords		
			2	Cords		
			527	Cords		
4	Balsam Fir Mixed Hardwood <i>Paper Birch</i> Red Pine	Pulpwood	1	Cords	24.1	\$15,212.35
			2	Cords		
			2	Cords		
			383	Cords		
5	Balsam Fir Mixed Hardwood <i>Paper Birch</i> Red Pine	Pulpwood	1	Cords	23.4	\$14,760.25
			1	Cords		
			1	Cords		
			372	Cords		
6	Balsam Fir Mixed Hardwood <i>Paper Birch</i> Red Pine	Pulpwood	1	Cords	20.1	\$12,701.05
			1	Cords		
			1	Cords		
			320	Cords		
7	Paper Birch	Sawtimber	10.6	MBF	13.5	\$6,106.85
	Red Maple		9.1	MBF		
	Balsam Fir	Pulpwood	62	Cords		
	Mixed Hardwood		138	Cords		
	<i>Paper Birch</i>		60	Cords		
	<i>Red Maple</i>		78	Cords		
	Quaking Aspen		124	Cords		
	White Spruce		3	Cords		
8	Paper Birch	Sawtimber	9.8	MBF	12.6	\$5,679.80
	Red Maple		8.5	MBF		
	Balsam Fir	Pulpwood	58	Cords		
	Mixed Hardwood		129	Cords		
	<i>Paper Birch</i>		56	Cords		
	<i>Red Maple</i>		73	Cords		
	Quaking Aspen		115	Cords		
	White Spruce		2	Cords		
9	Red Pine	Pulpwood	60	Cords	3.8	\$2,376.00
10	Paper Birch	Sawtimber	7.1	MBF	10.3	\$3,466.35
	Red Maple		5.3	MBF		
	Balsam Fir	Pulpwood	44	Cords		
	Mixed Hardwood		111	Cords		
	<i>Paper Birch</i>		12	Cords		
	<i>Red Maple</i>		99	Cords		
	Quaking Aspen		7	Cords		
	White Pine		13	Cords		
11	White Spruce		2	Cords	24.1	\$8,078.20
	Paper Birch	Sawtimber	16.5	MBF		
	Red Maple		12.3	MBF		
	Balsam Fir	Pulpwood	102	Cords		
	Mixed Hardwood		259	Cords		
	<i>Paper Birch</i>		27	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
11 con't	<i>Red Maple</i>	<i>Pulpwood</i>	232	<i>Cords</i>		
	Quaking Aspen		16	Cords		
	White Pine		30	Cords		
	White Spruce		6	Cords		
TOTAL:			79.2	MBF		
TOTAL:			3,259	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Grasshopper Pine**

**Sale Number: 33-002-21 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) 7, 8, 10 and 11, cut all trees that are three (3) inches or more at DBH with the following exceptions:

- Within Payment Units 7 and 8, do not cut unmarked pine.
- Within Payment Units 10 and 11, do not cut hemlock or cedar.

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

Within Payment Unit(s) 1 - 6 and 9, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

Within Payment Units 7 and 8, cut only those pine trees marked with orange paint above and below stump height regardless of merchantability.

#### **2.2 - Utilization**

##### **2.2.3 - Stump heights (4/07)**

Stump heights within Payment Unit(s) 10 and 11 shall not exceed 6 inches for all trees. This is to facilitate planting operations.

### **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 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**

##### **4.1.6 - 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.

#### 4.2.5 - 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

### 5.1 - Notification

#### 5.1.3 - Well heads and natural gas pipelines (11/15)

The Purchaser is responsible for contacting the gas or pipeline company 30 days prior to operating equipment in the vicinity of well heads or natural gas pipelines. Contact the Enbridge Gas Company at 906-789-1221 and Great Lakes Gas Transmission Company at 906-474-6414.

#### 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 pipeline and powerline R.O.W. for operations. Contact the Enbridge Gas Company at 906-789-1221, the Great Lakes Gas Transmission Company at 906-474-6414 and the American Transmission Company at 906-779-7900.

### 5.2 - Conduct of Operations

#### 5.2.1 - Slash

##### 5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 24 inches in height.

##### 5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation, Payment Unit(s) 10 and 11 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.

#### 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

##### 5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1 - 6 and 9, 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.

#### 5.2.32 - 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.

#### 5.2.37 - No decking areas (12/08)

No decking is allowed within 50 feet of the 29th Road (Grasshopper Road) or pipeline without permission of the pipeline company and the Unit Manager or his/her representative.

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

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

#### 5.2.39 - ORV trail/route protection (4/18)

The Days River/Rapid River trail is an ORV trail or route and is shown on the Timber Sale Map. Do not cut trees or damage posts with yellow ORV markers. All stumps within 5 feet of the trail must be cut flush with the ground. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the ORV trail or route as the centerline.

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

The Days River/Rapid River trail is a snowmobile trail and is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1. The snowmobile trail may not be used for any timber sale operations from December 1 to March 31. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. All stumps within 5 feet of the snowmobile trail must be cut at ground level.

### 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 29th Road (Grasshopper 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.

#### 6.2.3 - Recreational trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the Days River/Rapid River trail prior to beginning operations. The trail must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic at both ends of the trail. 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
33-002	21

Forest Management Unit	County	Mapped By	Date	Page	of
Escanaba	Delta	Racine	05/03/2021	1	1

Township	Range	Section(s) and Subdivision(s)	Scale
41N	22W	13) NW, NWNE, S1/2NE, N1/2SW, W1/2SW 14) S1/2NE, NESE	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 Hardwoods	M = Mpl. Ech. Birch	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 = Cress	MD = Mixed Deciduous	T = Tamarack			

PU	Acres	PU	Acres	PU	Acres
1	9.4	5	23.4	9	3.8
2	13.4	6	20.1	10	10.3
3	33.1	7	13.5	11	24.1
4	24.1	8	12.6		

## Grasshopper Pine

Compartment 105  
187.8 Acres

