



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7196**

SCHEDULED SALE DATE AND TIME: 3:00 p.m. (local time) on February 9, 2023.

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:

Hidden Finn Saw (33-028-22) / T36N, R28W, SEC. 1 , N1/2NW,NWNE.

T36N, R28W, SEC. 2 , N1/2NW,SEnw,N1/2NE.

T36N, R28W, SEC. 3 , NENw,NWNE,S1/2NE.

T37N, R28W, SEC. 35, SESW,SESE.

T37N, R28W, SEC. 36, SWSE.

Menominee County, Advertised Price \$28,173.75, 106.6 Acres, Hardwood, Spruce/Fir/Tamarack.

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

TIMBER SALE INFORMATION

Hidden Finn Saw (33-028-22)

T36N, R28W, SEC. 1; T36N, R28W, SEC. 2; T36N, R28W, SEC. 3; T37N, R28W, SEC. 35; T37N, R28W, SEC. 36.

Menominee County (Advertised Price \$28,173.75)

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

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	3.6 MBF	\$ 32.00 / MBF
Paper Birch	0.4 MBF	\$ 70.00 / MBF
Red Maple	1.8 MBF	\$ 174.00 / MBF
Red Oak	16.7 MBF	\$ 131.00 / MBF
Sugar Maple	0.5 MBF	\$ 213.00 / MBF
Pulpwood		
Balsam Fir	42 Cords	\$ 13.20 / Cord
Mixed Aspen	171 Cords	\$ 25.30 / Cord
Mixed Hardwood	303 Cords	\$ 18.10 / Cord
Mixed Spruce	208 Cords	\$ 15.35 / Cord
N. White Cedar	217 Cords	\$ 7.30 / Cord
Red Oak	33 Cords	\$ 17.80 / Cord
Red Pine	3 Cords	\$ 55.05 / Cord
Tamarack	258 Cords	\$ 24.60 / Cord
White Pine	94 Cords	\$ 33.85 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 13.82 percent. There are an estimated 1,407 cords on this timber sale, plus or minus 194 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 \$1,408.69 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	4.0%
02	10.7%
03	14.6%
04	8.3%
05	21.3%
06	11.4%
07	16.0%
08	3.4%
09	1.3%
10	9.0%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 09/30/2025.

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
111,149	1,407	13.82%	1,213	1,601

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
10	4,970	63	65.96%	21	104
11	10,778	136	32.14%	93	180
20	15,564	197	35.10%	128	266
24	11,638	147	31.53%	101	194
25	28,464	360	31.47%	247	474
31	8,179	104	34.66%	68	139
34	14,779	187	39.47%	113	261
35	2,967	38	75.01%	9	66
40	1,347	17	57.29%	7	27
41	12,463	158	68.52%	50	266
TOTAL:	111,149	1,407		837	1,977

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
10	4.2	1	4.2
11	15.4	2	15.4
20	13.6	3	13.6
24	9.4	4	9.4
25	18.6	5	18.6
31	17.7	6	17.7
34	10.3	7	10.3
35	2.9	8	2.9
40	1.5	9	1.5
41	13.0	10	13.0
TOTAL:	106.6		106.6

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Hardwood	Pulpwood	6	Cords	4.2	\$1,118.55
	<i>Red Maple</i>		6	<i>Cords</i>		
	Mixed Spruce		15	Cords		
	<i>Black Spruce</i>		15	<i>Cords</i>		
	N. White Cedar		20	Cords		
	Tamarack		12	Cords		
	White Pine		10	Cords		
2	Mixed Aspen	Pulpwood	5	Cords	15.4	\$3,028.60
	<i>Balsam Poplar</i>		5	<i>Cords</i>		
	Mixed Hardwood		17	Cords		
	<i>Black Ash</i>		14	<i>Cords</i>		
	<i>Paper Birch</i>		3	<i>Cords</i>		
	Mixed Spruce		56	Cords		
	<i>Black Spruce</i>		56	<i>Cords</i>		
	Tamarack		43	Cords		
	White Pine		20	Cords		
3	Balsam Fir	Pulpwood	4	Cords	13.6	\$4,104.85
	Mixed Aspen		14	Cords		
	<i>Balsam Poplar</i>		3	<i>Cords</i>		
	<i>Quaking Aspen</i>		11	<i>Cords</i>		
	Mixed Hardwood		42	Cords		
	<i>Black Ash</i>		36	<i>Cords</i>		
	<i>Paper Birch</i>		3	<i>Cords</i>		
	<i>Red Maple</i>		3	<i>Cords</i>		
	Mixed Spruce		84	Cords		
	<i>Black Spruce</i>		84	<i>Cords</i>		
	Red Pine		3	Cords		
	Tamarack		8	Cords		
	White Pine		38	Cords		
4	Balsam Fir	Pulpwood	13	Cords	9.4	\$2,333.60
	Mixed Aspen		12	Cords		
	<i>Balsam Poplar</i>		12	<i>Cords</i>		
	Mixed Hardwood		67	Cords		
	<i>Black Ash</i>		50	<i>Cords</i>		
	<i>Paper Birch</i>		7	<i>Cords</i>		
	<i>Red Maple</i>		10	<i>Cords</i>		
	Mixed Spruce		9	Cords		
	<i>Black Spruce</i>		9	<i>Cords</i>		
	Tamarack		11	Cords		
	White Pine		7	Cords		
5	Red Oak	Sawtimber	0.6	MBF	18.6	\$5,991.45
	Balsam Fir	Pulpwood	4	Cords		
	Mixed Hardwood		41	Cords		
	<i>Black Ash</i>		35	<i>Cords</i>		
	<i>Red Maple</i>		5	<i>Cords</i>		
	<i>Sugar Maple</i>		1	<i>Cords</i>		
	Mixed Spruce		33	Cords		
	<i>Black Spruce</i>		33	<i>Cords</i>		
	N. White Cedar		144	Cords		
	Red Oak		1	Cords		
	Tamarack		144	Cords		
6	Basswood	Sawtimber	2.4	MBF	17.7	\$3,203.20
	Red Oak		13.3	MBF		
	Sugar Maple		0.5	MBF		
	Mixed Hardwood	Pulpwood	46	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE			
6 con't	<i>Basswood</i>	<i>Pulpwood</i>	8	<i>Cords</i>					
	<i>Ironwood</i>		1	<i>Cords</i>					
	<i>Red Maple</i>		4	<i>Cords</i>					
	<i>Sugar Maple</i>		14	<i>Cords</i>					
	<i>White Ash</i>		19	<i>Cords</i>					
	Red Oak		25	Cords					
7	Red Oak	Sawtimber	2.3	MBF	10.3	\$4,507.65			
	Balsam Fir	Pulpwood	19	Cords					
	Mixed Aspen		125	Cords					
	<i>Balsam Poplar</i>		2	<i>Cords</i>					
	<i>Quaking Aspen</i>		123	<i>Cords</i>					
	Mixed Spruce		6	Cords					
	<i>White Spruce</i>		6	<i>Cords</i>					
	N. White Cedar		5	Cords					
	Red Oak		5	Cords					
	White Pine		17	Cords					
	8	Paper Birch	Sawtimber	0.4			MBF	2.9	\$964.70
Red Maple			1.8	MBF					
Balsam Fir		Pulpwood	1	Cords					
Mixed Aspen			10	Cords					
<i>Balsam Poplar</i>			7	<i>Cords</i>					
<i>Quaking Aspen</i>			3	<i>Cords</i>					
Mixed Hardwood			16	Cords					
<i>Black Ash</i>			3	<i>Cords</i>					
<i>Paper Birch</i>			3	<i>Cords</i>					
<i>Red Maple</i>			10	<i>Cords</i>					
White Pine			2	Cords					
9		Basswood	Sawtimber	1.2	MBF	1.5	\$374.80		
		Red Oak		0.5	MBF				
	Mixed Hardwood	Pulpwood	13	Cords					
	<i>Basswood</i>		5	<i>Cords</i>					
	<i>Sugar Maple</i>		7	<i>Cords</i>					
	<i>White Ash</i>		1	<i>Cords</i>					
	Red Oak		2	Cords					
	10	Balsam Fir	Pulpwood	1	Cords			13.0	\$2,546.35
Mixed Aspen			5	Cords					
<i>Balsam Poplar</i>			2	<i>Cords</i>					
<i>Quaking Aspen</i>			3	<i>Cords</i>					
Mixed Hardwood			55	Cords					
<i>Black Ash</i>			13	<i>Cords</i>					
<i>Paper Birch</i>			32	<i>Cords</i>					
<i>Red Maple</i>			10	<i>Cords</i>					
Mixed Spruce			5	Cords					
<i>Black Spruce</i>			5	<i>Cords</i>					
N. White Cedar			48	Cords					
Tamarack			40	Cords					
TOTAL:			23.0	MBF					
TOTAL:			1,329	Cords					

Sale Specific Conditions & Requirements

Sale Name: Hidden Finn Saw

Sale Number: 33-028-22 Seq#: 2

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 for.

2 - Timber Specifications

2.1 - Included Timber

2.1.1 - Clearcut unit(s) with unmerchantable trees (6/14)

Within Payment Unit(s) 1-5 and 7-10, cut all trees that are three (3) inches or more at DBH, except the following:

- Within Payment Units 2 and 4, do not cut cedar.
- Within Payment Unit 3, do not cut cedar and oak.
- Within Payment Units 7 and 9, do not cut trees marked with green paint.
- Within Payment Unit 8, do not cut cedar or trees marked with green paint.
- Within Payment Unit 10, do not cut cedar nine (9) inches or more at DBH.

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

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

2.1.9 - Harvest exception (12/08)

Do not cut any cedar trees within Payment Units 2-4, and 8, other than those that are necessary to remove in order to operate within the sale area. Every effort must be made to preserve the existing cedar and to leave an intact stand upon sale completion. All cut cedar shall be piled separately by products and scaled in the woods unless other scaling arrangements are agreed to by the Unit Manager or his/her representative. Stumpage price for cedar shall be \$45.00 per cord.

2.2 - Utilization

2.2.4 - Skidding length (2/14)

Skidding of unlimbed tops or lengths over 17 feet is not permissible within Payment Units 2 and 6.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) \$18,000 in value 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

4.1.8 - Road work (1) (8/07)

The following road work is required: the Purchaser must haul and spread 140 cubic yards of gravel onto the Jones Trail. There are several small blow-outs that will require some gravel, to haul the wood out. All road work must be done, prior to

any wood being hauled from Payment Units 4-10. Gravel is available from a state pit, located off G-18. The state pit is approximately four miles from the Sale Area.

4.2 - Maintenance

4.2.1 - Hauling restriction (12/08)

Hauling may be restricted on forest roads by the Unit Manager or his/her representative. The restriction may occur during spring break up or during other wet weather conditions.

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.

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, 2, 4, 5, 8 and 10, cutting and skidding are limited to the period of December 1 to March 31, unless there is an extended dry or frozen period, and the sale administrator allows harvesting during that period of time. This restriction is because of some low wet ground within each of the Payment Units.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 6, 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) 3, cutting and skidding occur during dry summer or frozen winter conditions. The reason for the recommendation is because of some low wet areas within the Payment Unit. The best access into this Payment Unit, is through private property to the south. If this Payment Unit is accessed through private property, most of the Payment Unit could be harvested during a dry summer. Access would be off Deacon Lane.

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 Jones Trail 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.

7 - Other Conditions

7.5 - Loss

7.5.1 - Deteriorating timber (7/09)

The sale area has received damage from the eastern larch beetle and the spruce budworm. The eastern larch beetle has already caused some tamarack mortality within the lowland stands. The balsam fir has been defoliated by the spruce budworm. 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.



TIMBER SALE MAP

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

Sales Number

33-028

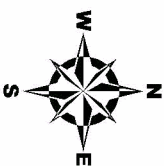
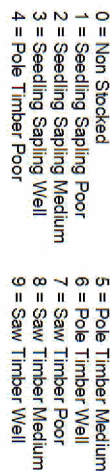
Year

22

Cover Type

Density

PU Acres	PU Acres
1 4.2	6 17.7
2 15.4	7 10.3
3 13.6	8 2.9
4 9.4	9 1.5
5 18.6	10 13.0



Legend

- # Legend
- | | |
|----------------------|-----------------------|
| | Section Corner |
| 3 | Section Number |
| Payment Unit | |
| | State Land Boundary |
| | Seasonal Drainage |
| PVT Private Property | |
| House or camp | |
| R Retention Patch | |
| Stand Retention | |
| | Two Tracked Road |
| -- Gravel Road | |
| | Paved Road |
| | Private Line (Blue) |
| | Payment Unit (Yellow) |
| | Against State (Red) |

Hidden Finn Saw

Compartment 17
106.6 Acres



gps coordinates
N45.5549 W-87.7038

