



**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:

Hills Oak (33-032-22) / T36N, R28W, SEC. 10, SWNW,N1/2SW,SESW.

T36N, R28W, SEC. 15, NW,N1/2NE,NWSW,S1/2SW.

T36N, R28W, SEC. 16, NENE.

T36N, R28W, SEC. 9 , NESE.

Menominee County, Advertised Price \$57,702.90, 132.4 Acres, N White Cedar, Spruce/Fir/Tamarack.

SALE NOTE: The sale area has received damage from the eastern larch beetle, spruce budworm, oak wilt, and the emerald ash borer. Roadwork is required, see spec 4.1.8 for more details.

TIMBER SALE INFORMATION

Hills Oak (33-032-22)

T36N, R28W, SEC. 10; T36N, R28W, SEC. 15; T36N, R28W, SEC. 16; T36N, R28W, SEC. 9.
Menominee County (Advertised Price \$57,702.90)

SALE NOTE: The sale area has received damage from the eastern larch beetle, spruce budworm, oak wilt, and the emerald ash borer. Roadwork is required, see spec 4.1.8 for more details.

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	0.5 MBF	\$ 37.00 / MBF
Red Maple	5.3 MBF	\$ 201.00 / MBF
Red Oak	111.7 MBF	\$ 151.00 / MBF
Sugar Maple	0.8 MBF	\$ 246.00 / MBF
Pulpwood		
Balsam Fir	13 Cords	\$ 15.25 / Cord
Mixed Aspen	92 Cords	\$ 29.20 / Cord
Mixed Hardwood	197 Cords	\$ 20.85 / Cord
Mixed Spruce	44 Cords	\$ 17.70 / Cord
N. White Cedar	626 Cords	\$ 8.45 / Cord
Red Oak	136 Cords	\$ 20.55 / Cord
Red Pine	80 Cords	\$ 63.55 / Cord
Tamarack	309 Cords	\$ 28.40 / Cord
White Pine	252 Cords	\$ 39.05 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 14.81 percent. There are an estimated 1,998 cords on this timber sale, plus or minus 296 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 \$2,885.15 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	14.0%
02	11.1%
03	10.2%
04	3.7%
05	3.4%
06	13.6%
07	10.6%
08	8.0%
09	3.5%
10	0.7%
11	21.2%

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
157,859	1,998	14.81%	1,702	2,294

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
51	36,002	456	14.51%	390	522
57	3,095	39	77.48%	9	70
61	1,676	21	25.98%	16	27
62	5,440	69	40.09%	41	96
66	11,045	140	94.02%	8	271
68	48,055	608	19.24%	491	725
81	52,547	665	15.05%	565	765
TOTAL:	157,859	1,998		1,520	2,476

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
51	57.4	1	22.8
		2	18.0
		3	16.6
57	10.6	4	10.6
61	2.7	10	2.7
62	3.3	9	3.3
66	5.5	5	5.5
68	33.0	6	13.9
		7	10.9
		8	8.2
81	19.9	11	19.9
TOTAL:	132.4		132.4

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	0.2	MBF	22.8	\$8,067.50
	Red Maple		1.4	MBF		
	Red Oak	Pulpwood	38.7	MBF		
	Sugar Maple		0.3	MBF		
	Mixed Hardwood		39	Cords		
	<i>Red Maple</i>		25	<i>Cords</i>		
	<i>Sugar Maple</i>		12	<i>Cords</i>		
	<i>White Ash</i>		2	<i>Cords</i>		
	Red Oak		51	Cords		
2	Basswood	Sawtimber	0.2	MBF	18.0	\$6,397.30
	Red Maple		1.1	MBF		
	Red Oak	Pulpwood	30.5	MBF		
	Sugar Maple		0.3	MBF		
	Mixed Hardwood		33	Cords		
	<i>Basswood</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		21	<i>Cords</i>		
	<i>Sugar Maple</i>		10	<i>Cords</i>		
	<i>White Ash</i>		1	<i>Cords</i>		
	Red Oak		39	Cords		
3	Basswood	Sawtimber	0.1	MBF	16.6	\$5,877.40
	Red Maple		1.0	MBF		
	Red Oak	Pulpwood	28.2	MBF		
	Sugar Maple		0.2	MBF		
	Mixed Hardwood		30	Cords		
	<i>Basswood</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		19	<i>Cords</i>		
	<i>Sugar Maple</i>		9	<i>Cords</i>		
	<i>White Ash</i>		1	<i>Cords</i>		
	Red Oak		36	Cords		
4	Red Oak	Sawtimber	12.4	MBF	10.6	\$2,119.60
	Mixed Hardwood	Pulpwood	2	Cords		
	<i>Sugar Maple</i>		2	<i>Cords</i>		
	Red Oak		10	Cords		
5	Mixed Hardwood	Pulpwood	40	Cords	5.5	\$1,979.55
	<i>Black Ash</i>		38	<i>Cords</i>		
	<i>Red Maple</i>		2	<i>Cords</i>		
	Mixed Spruce		8	Cords		
	<i>Black Spruce</i>		6	<i>Cords</i>		
	<i>White Spruce</i>		2	<i>Cords</i>		
	N. White Cedar		81	Cords		
	Tamarack		3	Cords		
	White Pine		6	Cords		
6	Red Maple	Sawtimber	0.8	MBF	13.9	\$7,841.50
	Red Oak	Pulpwood	0.8	MBF		
	Balsam Fir		1	Cords		
	Mixed Aspen		11	Cords		
	<i>B. T. Aspen</i>		7	<i>Cords</i>		
	<i>Quaking Aspen</i>		4	<i>Cords</i>		
	Mixed Hardwood		10	Cords		
	<i>Balsam Poplar</i>		3	<i>Cords</i>		
	<i>Red Maple</i>		5	<i>Cords</i>		
	<i>Sugar Maple</i>		2	<i>Cords</i>		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	<i>Cords</i>		
	N. White Cedar		101	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
6 con't	Red Pine White Pine	Pulpwood	34 102	Cords Cords		
7	Red Maple Red Oak Balsam Fir Mixed Aspen <i>B. T. Aspen</i> <i>Quaking Aspen</i> Mixed Hardwood <i>Balsam Poplar</i> <i>Red Maple</i> <i>Sugar Maple</i> Mixed Spruce <i>White Spruce</i> N. White Cedar Red Pine White Pine	Sawtimber Pulpwood	0.6 0.6 1 9 6 3 7 2 4 1 1 1 79 26 81	MBF MBF Cords Cords <i>Cords</i> <i>Cords</i> Cords <i>Cords</i> <i>Cords</i> <i>Cords</i> Cords <i>Cords</i> Cords Cords Cords	10.9	\$6,135.80
8	Red Maple Red Oak Mixed Aspen <i>B. T. Aspen</i> <i>Quaking Aspen</i> Mixed Hardwood <i>Balsam Poplar</i> <i>Red Maple</i> <i>Sugar Maple</i> N. White Cedar Red Pine White Pine	Sawtimber Pulpwood	0.4 0.5 6 4 2 6 2 3 1 59 20 61	MBF MBF Cords <i>Cords</i> <i>Cords</i> Cords <i>Cords</i> <i>Cords</i> <i>Cords</i> Cords Cords Cords	8.2	\$4,607.80
9	Balsam Fir Mixed Aspen <i>Quaking Aspen</i> Mixed Hardwood <i>Balsam Poplar</i>	Pulpwood	9 64 64 2 2	Cords Cords <i>Cords</i> Cords <i>Cords</i>	3.3	\$2,047.75
10	Balsam Fir Mixed Aspen <i>Quaking Aspen</i> Mixed Hardwood <i>Balsam Poplar</i> <i>Black Ash</i> <i>Paper Birch</i> Mixed Spruce <i>White Spruce</i>	Pulpwood	2 2 2 15 12 2 1 1 1	Cords Cords <i>Cords</i> Cords <i>Cords</i> <i>Cords</i> <i>Cords</i> Cords <i>Cords</i>	2.7	\$419.35
11	Mixed Hardwood <i>Black Ash</i> Mixed Spruce <i>Black Spruce</i> N. White Cedar Tamarack White Pine	Pulpwood	13 13 33 33 306 306 2	Cords <i>Cords</i> Cords <i>Cords</i> Cords Cords Cords	19.9	\$12,209.35
TOTAL:			118.3	MBF		
TOTAL:			1,749	Cords		

Sale Specific Conditions & Requirements

Sale Name: Hills Oak

Sale Number: 33-032-22 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. 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 they are 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) 4 - 11, cut all trees that are three (3) inches or more at DBH, with the following exceptions.

Within Payment Unit 4, do not cut trees marked with orange paint.

Within Payment Units 5 - 8, do not cut trees marked with green paint.

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

Within Payment Unit(s) 1 - 3, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

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 1 - 4 and 6 - 8.

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 a minimum of 260 cubic yards of gravel onto the access roads. About 200 yards will be spread on Rocky Road and the other 60 yards will be spread on the access road back to Payment Units 6 - 8. The Purchaser must also purchase and install a new corrugated steel culvert 12" X 24'. The culvert will be installed on the access road within Payment Unit 7. This culvert is to improve cross drainage, so no permit is needed. A minimum of twelve (12) inches of gravel must be placed over the culvert. The exact locations for the gravel will be identified during the pre-sale meeting. All of the required roadwork must be completed prior to any hauling taking place. Gravel is available from a state gravel pit, about 5 miles away on the Cheese Factory Road.

The Purchaser must also reroute the access road heading back to Payment Units 6 - 8 onto state land. The private landowner

would like the road moved off of his property. A dozer will be needed to push open an approximately 100' stretch, that goes through grass and sapling aspen.

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 breakup 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 bull dozer 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 into Payment Units 3 and 11 is the responsibility of the Purchaser. The best access into Payment Unit 3 is through private property from the south off of Rocky Road. The best access into Payment Unit 11 is through private property from the north or northeast. There are two different access roads/trails through private property. The other alternative is to skid Payment Unit 11 through state land to the north and make a landing on the south side of the Chalk Hills Road. For more information on the landowners contact Dustin 906-399-1828 or Dan 906-399-0879 at the Stephenson Field Office.

5 - Operations

5.2 - Conduct of Operations

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 5 and 11, cutting and skidding are limited to the period of December 1st to March 31st, 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 low wet ground throughout all of the Payment Units. Due to wet access into Payment Unit 9, this Payment Unit might have to be harvested during the winter months as well.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 6 - 8, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

5.2.3.4 - Oak wilt restriction, no exceptions (1/18)

Within Payment Unit(s) 1 - 4, cutting and skidding are not permitted during the period of April 15 to July 15. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

5.2.3.11 - Coppice regeneration protection (4/10)

To promote aspen regeneration, harvesting is limited to September 15th through April 30th, within Payment Unit 10. Timber harvesting in any Payment Unit must be completed before significant aspen sprouting occurs in that Payment Unit so as to minimize damage to the new regeneration.

7 - Other Conditions

7.3 - Contract Modifications

7.3.2 - Modification for oak wilt (2/05)

Within the sale area, there may be patches of oak wilt. If oak wilt is identified within the sale area, this contract may be modified. The following modifications could occur: time of cutting, species to cut, volume to harvest, or various others dealing with the treatment of oak wilt. If a species is not specified in this contract, it shall be paid for at the average price received for that species and product.

7.5 - Loss

7.5.1 - Deteriorating timber (7/09)

The sale area has received damage from the eastern larch beetle, spruce budworm, oak wilt, and the emerald ash borer. 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.*

Forest Management Unit		County	Mapped By	Date		Page of	
Escanaba Management Unit		Menominee County	Beaudo	9/20/2022		1 1	
Township	Range	Section(s) and Subdivision(s)		Scale			
36N	28W	Sec 9 - NESE; Sec 10 - SWNW, N1/2SW, SESW; Sec 15 - NW, N1/2NE, NWSW, S1/2SW; Sec 16 - NENE.		1:15,840			

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 Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water
G = Grass	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

