



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7264**

SCHEDULED SALE DATE AND TIME: 3:00 p.m. (local time) on August 24, 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:

Ross Creek Mix (33-024-23) / T36N, R27W, SEC. 4 , NW,W1/2SW.

T36N, R27W, SEC. 5 , NENE.

T37N, R27W, SEC. 32, SESE.

Menominee County, Advertised Price \$22,274.35, 56.5 Acres, Hardwood, Red Pine.

TIMBER SALE INFORMATION

Ross Creek Mix (33-024-23)

T36N, R27W, SEC. 4; T36N, R27W, SEC. 5; T37N, R27W, SEC. 32.

Menominee County (Advertised Price \$22,274.35)

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	2.6 MBF	\$ 47.00 / MBF
Paper Birch	0.7 MBF	\$ 88.00 / MBF
Red Maple	4.0 MBF	\$ 192.00 / MBF
Sugar Maple	3.5 MBF	\$ 280.00 / MBF
Pulpwood		
Balsam Fir	34 Cords	\$ 15.45 / Cord
Basswood	3 Cords	\$ 9.45 / Cord
Mixed Aspen	62 Cords	\$ 26.90 / Cord
Mixed Hardwood	425 Cords	\$ 22.50 / Cord
Mixed Spruce	8 Cords	\$ 15.60 / Cord
N. White Cedar	17 Cords	\$ 10.90 / Cord
Paper Birch	16 Cords	\$ 21.25 / Cord
Red Pine	141 Cords	\$ 55.30 / Cord
Tamarack	4 Cords	\$ 27.80 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 15.63 percent. There are an estimated 754 cords on this timber sale, plus or minus 118 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 \$1,113.72 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:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	21.6%
02	11.4%
03	9.6%
04	8.1%
05	8.8%
06	28.6%
07	11.9%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2026.

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
59,561	754	15.63%	636	872

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
20	5,779	73	56.83%	32	115
21	17,039	216	36.16%	138	294
23	2,060	26	38.01%	16	36
25	5,849	74	56.67%	32	116
30	7,376	93	95.40%	4	182
32	3,336	42	76.72%	10	75
33	2,883	36	165.08%	0	97
36	11,473	145	33.65%	96	194
37	3,767	48	13.61%	41	54
TOTAL:	59,561	754		369	1,162

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
20	4.6	2	4.6
21	13.5	1	13.5
23	1.6	3	1.6
25	8.2	3	8.2
30	5.4	5	5.4
32	1.9	4	1.9
33	3.6	4	3.6
36	15.5	6	15.5
37	2.2	7	2.2
TOTAL:	56.5		56.5

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Balsam Fir	Pulpwood	2	Cords	13.5	\$4,816.00
	Mixed Aspen		20	Cords		
	<i>Balsam Poplar</i>		15	Cords		
	<i>Quaking Aspen</i>		5	Cords		
	Mixed Hardwood		177	Cords		
	<i>American Elm</i>		3	Cords		
	<i>Black Ash</i>		97	Cords		
	<i>Green Ash</i>		68	Cords		
	<i>Red Maple</i>		9	Cords		
	Mixed Spruce		4	Cords		
	<i>White Spruce</i>		4	Cords		
	N. White Cedar		16	Cords		
	Tamarack		1	Cords		
	2		Basswood	Sawtimber		
Red Maple			1.0	MBF		
Sugar Maple			3.5	MBF		
Balsam Fir		Pulpwood	5	Cords		
Basswood			2	Cords		
Mixed Hardwood			53	Cords		
<i>Ironwood</i>			2	Cords		
<i>Red Maple</i>			3	Cords		
<i>Sugar Maple</i>			48	Cords		
3	Basswood	Sawtimber	1.0	MBF	9.8	\$2,130.60
	Paper Birch		0.7	MBF		
	Red Maple		1.3	MBF		
	Balsam Fir	Pulpwood	3	Cords		
	Basswood		1	Cords		
	Mixed Aspen		4	Cords		
	<i>Balsam Poplar</i>		1	Cords		
	<i>Quaking Aspen</i>		3	Cords		
	Mixed Hardwood		52	Cords		
	<i>American Elm</i>		3	Cords		
	<i>Black Ash</i>		32	Cords		
	<i>Black Cherry</i>		2	Cords		
	<i>Red Maple</i>		11	Cords		
	<i>Yellow Birch</i>		4	Cords		
	Mixed Spruce		1	Cords		
	<i>Black Spruce</i>		1	Cords		
	Paper Birch		16	Cords		
	Tamarack		3	Cords		
4	Red Maple	Sawtimber	1.2	MBF	5.5	\$1,809.25
	Balsam Fir	Pulpwood	1	Cords		
	Mixed Hardwood		69	Cords		
	<i>Black Ash</i>		37	Cords		
	<i>Green Ash</i>		23	Cords		
	<i>Red Maple</i>		6	Cords		
	<i>Yellow Birch</i>		3	Cords		
	N. White Cedar		1	Cords		
5	Red Maple	Sawtimber	0.5	MBF	5.4	\$1,962.15
	Balsam Fir	Pulpwood	9	Cords		
	Mixed Aspen		9	Cords		
	<i>Quaking Aspen</i>		9	Cords		
	Mixed Hardwood		66	Cords		
	<i>Black Ash</i>		41	Cords		
	<i>Green Ash</i>		13	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	<i>Red Maple</i>	<i>Pulpwood</i>	4	<i>Cords</i>		
	<i>White Ash</i>		3	<i>Cords</i>		
	<i>Yellow Birch</i>		5	<i>Cords</i>		
6	Balsam Fir	Pulpwood	14	Cords	15.5	\$6,366.10
	Mixed Aspen		29	Cords		
	<i>Balsam Poplar</i>		10	<i>Cords</i>		
	<i>Quaking Aspen</i>		19	<i>Cords</i>		
	Mixed Hardwood		8	Cords		
	<i>Black Ash</i>		5	<i>Cords</i>		
	<i>White Ash</i>		3	<i>Cords</i>		
	Mixed Spruce		3	Cords		
	<i>White Spruce</i>		3	<i>Cords</i>		
	Red Pine		93	Cords		
7	Red Pine	Pulpwood	48	Cords	2.2	\$2,654.40
TOTAL:			10.8	MBF		
TOTAL:			710	Cords		

Sale Specific Conditions & Requirements

Sale Name: Ross Creek Mix

Sale Number: 33-024-23 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 for.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1 & 3-5, cut all trees that are three (3) inches or more at DBH, with the following exceptions:

- Within Payment Unit 1, do not cut white pine.
- Within Payment Units 3 & 5, do not cut cedar.

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

Within Payment Unit(s) 6 & 7, all red pine are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, cut all other species greater than three (3) inches at DBH.

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

Within Payment Unit(s) 2, cut all trees that are three (3) inches or more at DBH, except do not cut trees marked with green paint above and below stump height.

2.1.9 - Harvest exception (12/08)

Do not cut any cedar trees within Payment Units 3 & 5; 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 \$40.00 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 3, 6, & 7, unless the Sale Administrator approves the method and machinery used.

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

4.2 - 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.

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 & 3-5, 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 low wet ground within each of the Payment Units.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 6 & 7, 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.

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 Wiregrass Lake 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.

7 - Other Conditions

7.5 - Loss

7.5.1 - Deteriorating timber (7/09)

The sale area has received damage from the spruce budworm, eastern larch beetle 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.

Sale Number	Year
33-024	23

Forest Management Unit	County	Mapped By	Date	Page	of
Escanaba Management Unit	Menominee County	Beaudou	5/23/23	1	1
Township 36N Range 27W		Cruised By	Scale		
37N		Salter, Beaudou	1:15,840		

Section(s) and Subdivision(s)	Scale
36N: Sec 4 - NW, W 1/2SW; Sec 5 - NENE. 37N: Sec 32 - SESE.	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 = Tread 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, Bach	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					

