



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7390**

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on May 8, 2024.**

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:

Fortyseven Hardwood (33-021-24) / T40N, R25W, SEC. 31, NWNW,SWSW.

T40N, R26W, SEC. 25, S1/2SE.

T40N, R26W, SEC. 36, NW,NE,E1/2SW,SE.

Menominee County, Advertised Price \$36,578.20, 221.0 Acres, Hardwood, Spruce/Fir/Tamarack.

SALE NOTE: There are a few forest health issues within the timber sale, the Purchaser should harvest the sale as soon as possible. Some roadwork is required by the Purchaser.

TIMBER SALE INFORMATION

Fortyseven Hardwood (33-021-24)

T40N, R25W, SEC. 31; T40N, R26W, SEC. 25; T40N, R26W, SEC. 36.

Menominee County (Advertised Price \$36,578.20)

SALE NOTE: There are a few forest health issues within the timber sale, the Purchaser should harvest the sale as soon as possible. Some roadwork is required by the Purchaser.

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	50.8 MBF	\$ 82.00 / MBF
Beech	2.9 MBF	\$ 49.00 / MBF
Paper Birch	31.0 MBF	\$ 89.00 / MBF
Red Maple	9.5 MBF	\$ 94.00 / MBF
Sugar Maple	37.0 MBF	\$ 168.00 / MBF
Pulpwood		
Balsam Fir	30 Cords	\$ 8.70 / Cord
Mixed Hardwood	593 Cords	\$ 12.15 / Cord
Mixed Spruce	212 Cords	\$ 13.45 / Cord
N. White Cedar	363 Cords	\$ 5.55 / Cord
Paper Birch	291 Cords	\$ 6.90 / Cord
Quaking Aspen	3 Cords	\$ 26.20 / Cord
Tamarack	537 Cords	\$ 8.40 / Cord
White Ash	505 Cords	\$ 5.20 / Cord
White Pine	48 Cords	\$ 17.65 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 16.86 percent. There are an estimated 2,902 cords on this timber sale, plus or minus 489 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 \$1,828.91 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	1.4%
02	4.5%
03	2.2%
04	10.4%
05	8.5%
06	16.2%
07	9.7%
08	14.3%
09	1.8%
10	14.4%
11	7.5%
12	9.1%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2027.

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
229,221	2,902	16.86%	2,412	3,391

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
33	22,306	282	26.80%	207	358
50	4,977	63	40.59%	37	89
52	92,259	1,168	18.39%	953	1,383
57	52,077	659	21.89%	515	804
59	3,328	42	57.22%	18	66
63	16,931	214	30.44%	149	280
64	37,344	473	25.60%	352	594
TOTAL:	229,221	2,902		2,231	3,572

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
33	32.6	2	22.0
		3	10.6
50	6.0	1	6.0
52	108.6	4	25.2
		5	20.7
		6	39.2
		7	23.5
57	13.9	8	13.9
59	5.7	9	5.7
63	23.9	10	23.9
64	30.3	11	13.8
		12	16.5
TOTAL:	221.0		221.0

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	N. White Cedar Paper Birch Tamarack	Pulpwood	8	Cords	6.0	\$504.90
			1	Cords		
			54	Cords		
2	Mixed Spruce <i>Black Spruce</i> Paper Birch Tamarack	Pulpwood	14	Cords	22.0	\$1,647.20
			14	Cords		
			13	Cords		
			163	Cords		
3	Mixed Spruce <i>Black Spruce</i> Paper Birch Tamarack	Pulpwood	7	Cords	10.6	\$797.65
			7	Cords		
			7	Cords		
			78	Cords		
4	Basswood	Sawtimber	9.0	MBF	25.2	\$3,812.30
	Beech		0.7	MBF		
	Paper Birch		2.9	MBF		
	Red Maple		1.1	MBF		
	Sugar Maple		4.6	MBF		
	Balsam Fir	Pulpwood	4	Cords		
	Mixed Hardwood		95	Cords		
	<i>Basswood</i>		26	Cords		
	<i>Beech</i>		14	Cords		
	<i>Ironwood</i>		2	Cords		
	<i>Red Maple</i>		19	Cords		
	<i>Sugar Maple</i>		34	Cords		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	Cords		
	N. White Cedar		9	Cords		
	Paper Birch		16	Cords		
	White Ash		101	Cords		
	<i>Black Ash</i>		6	Cords		
	<i>White Ash</i>		95	Cords		
	White Pine		1	Cords		
5	Basswood	Sawtimber	7.4	MBF	20.7	\$3,119.10
	Beech		0.6	MBF		
	Paper Birch		2.4	MBF		
	Red Maple		0.9	MBF		
	Sugar Maple		3.8	MBF		
	Balsam Fir	Pulpwood	3	Cords		
	Mixed Hardwood		76	Cords		
	<i>Basswood</i>		21	Cords		
	<i>Beech</i>		11	Cords		
	<i>Ironwood</i>		1	Cords		
	<i>Red Maple</i>		15	Cords		
	<i>Sugar Maple</i>		28	Cords		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	Cords		
	N. White Cedar		8	Cords		
	Paper Birch		13	Cords		
	White Ash		83	Cords		
	<i>Black Ash</i>		5	Cords		
	<i>White Ash</i>		78	Cords		
	White Pine		1	Cords		
6	Basswood	Sawtimber	14.1	MBF	39.2	\$5,920.80
	Beech		1.0	MBF		
	Paper Birch		4.6	MBF		
	Red Maple		1.8	MBF		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
6 con't	Sugar Maple	Sawtimber	7.1	MBF		
	Balsam Fir	Pulpwood	6	Cords		
	Mixed Hardwood		147	Cords		
	<i>Basswood</i>		40	<i>Cords</i>		
	<i>Beech</i>		21	<i>Cords</i>		
	<i>Ironwood</i>		3	<i>Cords</i>		
	<i>Red Maple</i>		29	<i>Cords</i>		
	<i>Sugar Maple</i>		54	<i>Cords</i>		
	Mixed Spruce		2	Cords		
	<i>White Spruce</i>		2	<i>Cords</i>		
	N. White Cedar		14	Cords		
	Paper Birch		25	Cords		
	White Ash		156	Cords		
	<i>Black Ash</i>		9	<i>Cords</i>		
	<i>White Ash</i>		147	<i>Cords</i>		
	White Pine		1	Cords		
7	Basswood	Sawtimber	8.4	MBF	23.5	\$3,556.45
	Beech		0.6	MBF		
	Paper Birch		2.7	MBF		
	Red Maple		1.1	MBF		
	Sugar Maple		4.3	MBF		
	Balsam Fir	Pulpwood	4	Cords		
	Mixed Hardwood		88	Cords		
	<i>Basswood</i>		24	<i>Cords</i>		
	<i>Beech</i>		13	<i>Cords</i>		
	<i>Ironwood</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		17	<i>Cords</i>		
	<i>Sugar Maple</i>		32	<i>Cords</i>		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	<i>Cords</i>		
	N. White Cedar		9	Cords		
	Paper Birch		15	Cords		
	White Ash		93	Cords		
	<i>Black Ash</i>		5	<i>Cords</i>		
	<i>White Ash</i>		88	<i>Cords</i>		
	White Pine		1	Cords		
8	Paper Birch	Sawtimber	1.0	MBF	13.9	\$5,223.25
	Red Maple		1.0	MBF		
	Mixed Hardwood	Pulpwood	15	Cords		
	<i>Balsam Poplar</i>		7	<i>Cords</i>		
	<i>Red Maple</i>		8	<i>Cords</i>		
	Mixed Spruce		75	Cords		
	<i>Black Spruce</i>		75	<i>Cords</i>		
	N. White Cedar		299	Cords		
	Paper Birch		22	Cords		
	Tamarack		242	Cords		
	White Ash		1	Cords		
	<i>Black Ash</i>		1	<i>Cords</i>		
9	Paper Birch	Sawtimber	0.5	MBF	5.7	\$657.30
	Sugar Maple		1.1	MBF		
	Mixed Hardwood	Pulpwood	25	Cords		
	<i>Beech</i>		4	<i>Cords</i>		
	<i>Red Maple</i>		6	<i>Cords</i>		
	<i>Sugar Maple</i>		8	<i>Cords</i>		
	<i>Yellow Birch</i>		7	<i>Cords</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
9 con't	N. White Cedar Paper Birch White Pine	Pulpwood	4 2 5	Cords Cords Cords		
10	Basswood Paper Birch Red Maple Sugar Maple Mixed Hardwood <i>Basswood</i> <i>Black Cherry</i> <i>Ironwood</i> <i>Red Maple</i> <i>Sugar Maple</i> Mixed Spruce <i>White Spruce</i> N. White Cedar Paper Birch White Ash <i>White Ash</i> White Pine	Sawtimber Pulpwood	11.9 2.0 0.7 16.1 75 22 3 3 11 36 3 3 12 5 42 42 4	MBF MBF MBF MBF Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords	23.9	\$5,266.10
11	Paper Birch Red Maple Balsam Fir Mixed Hardwood <i>Balsam Poplar</i> <i>Black Cherry</i> <i>Red Maple</i> <i>Sugar Maple</i> Mixed Spruce <i>Black Spruce</i> <i>White Spruce</i> Paper Birch Quaking Aspen White Ash <i>Black Ash</i> White Pine	Sawtimber Pulpwood	6.7 1.3 5 32 26 1 4 1 49 17 32 79 1 13 13 16	MBF MBF Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords	13.8	\$2,731.15
12	Paper Birch Red Maple Balsam Fir Mixed Hardwood <i>Balsam Poplar</i> <i>Black Cherry</i> <i>Red Maple</i> <i>Sugar Maple</i> <i>Yellow Birch</i> Mixed Spruce <i>Black Spruce</i> <i>White Spruce</i> Paper Birch Quaking Aspen White Ash <i>Black Ash</i> White Pine	Sawtimber Pulpwood	8.2 1.6 8 40 31 2 5 1 1 59 21 38 93 2 16 16 19	MBF MBF Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords	16.5	\$3,342.00
TOTAL:			131.2	MBF		

TOTAL:	2,582	Cords
--------	-------	-------

Sale Specific Conditions & Requirements

Sale Name: Fortyseven Hardwood

Sale Number: 33-021-24 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, 8, 11, and 12, cut all trees that are three (3) inches or more at DBH; except within Payment Units 11 and 12 do not cut cedar.

Within Payment Units 2 and 3, cut all trees that are four (4) inches or more at DBH, except do not cut cedar.

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

Within Payment Unit(s) 4, 5, 6, 7, 9, and 10, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

In addition, within Payment Units 4, 5, 6, and 7, cut all ash, balsam fir, spruce, aspen, balm, and ironwood that are more than four (4) inches at DBH.

2.1.9 - Harvest exception (12/08)

Do not cut any cedar trees within Payment Units 2, 3, 11, and 12, 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.

Do not cut hemlock within the sale area, other than those that are necessary to remove in order to operate in the sale area.

All cut hemlock will be piled separately and scaled in the woods. The stumpage price for the hemlock will be \$20.00 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 4 - 7 and 9 - 12.

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

4.1.2 - Stream crossings, specific (3/11)

There is an intermittent stream between Payments Units 11 and 12 as shown on the Timber Sale Map. A temporary crossing will be needed, unless the Purchaser can get access from the landowner to the south to allow access across the creek using their road. Any temporary crossing will need to be approved by the timber sale administrator.

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

The following road work is required: the Purchaser must haul and spread a minimum of 200 cubic yards of pit run gravel on the access road running north up into Payment Unit 4. A state gravel pit is available along the 47 Mile Creek road, about two miles from the sale. All roadwork must be completed prior to any hauling from Payment Units 1 - 7.

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, 8, 11, and 12, 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 these Payment Units.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 4 - 7, 9, and 10, 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 the access road branching off the 47 Mile Creek Road, running east towards the sale 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 emerald ash borer, eastern larch beetle, spruce budworm, and beech bark disease. 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. The ash is in various states of decline due to the borer.

**TIMBER SALE MAP**

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

Sale Number	Year
33-021	24
Date	Page of
11/28/2023	1 of 1

Forest Management Unit	County	Mapped By
Escanaba Management Unit	Menominee County	Beaudou
Township	Range	Section(s) and Subdivision(s)
40N	25W 26W	R25W Sec 31 - NW NW, SWSW R26W Sec 25 - S1/2SE; Sec 36 - NW, NE, E 1/2SW, SE.

Scale
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 = Tread Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine
E = Swamp Hdwoods	M = Mpl, Bch, Bach	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

**Fortyseven Hardwood**
Compartment 70
221.0 Acres

QR Code

