



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7126**

SCHEDULED SALE DATE AND TIME: 3:00 p.m. (local time) on October 20, 2022.

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:

Westman Summer (33-003-22) / T35N, R25W, SEC. 5 , NENW,N1/2NE.

T36N, R25W, SEC. 20, S1/2SE.

T36N, R25W, SEC. 29, N1/2NE,SENE,SESW,N1/2SE,SWSE.

T36N, R25W, SEC. 31, NWNE,S1/2NE,N1/2SE,SESE.

T36N, R25W, SEC. 32, NENW,SWNW,NWNE,SENE,NWSW.

T36N, R25W, SEC. 32, S1/2SW,SE.

T36N, R25W, SEC. 33, W1/2SW.

Menominee County, Advertised Price \$89,349.25, 255.4 Acres, Hardwood, White Pine.

SALE NOTE: The ash, softwood species, aspen species have been cruised as pulpwood regardless of diameter at breast height (dbh) size class.

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

Westman Summer (33-003-22)

T35N, R25W, SEC. 5; T36N, R25W, SEC. 20; T36N, R25W, SEC. 29; T36N, R25W, SEC. 31; T36N, R25W, SEC. 32; T36N, R25W, SEC. 33.

SALE NOTE: The ash, softwood species, aspen species have been cruised as pulpwood regardless of diameter at breast height (dbh) size class.

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 & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Basswood	40.0 MBF	\$ 27.00 / MBF
Paper Birch	14.6 MBF	\$ 48.00 / MBF
Red Maple	116.1 MBF	\$ 123.00 / MBF
Sugar Maple	17.7 MBF	\$ 130.00 / MBF
Yellow Birch	1.1 MBF	\$ 25.00 / MBF
Pulpwood		
Balsam Fir	426 Cords	\$ 9.80 / Cord
Black Ash	59 Cords	\$ 13.35 / Cord
Green Ash	341 Cords	\$ 13.35 / Cord
Mixed Aspen	543 Cords	\$ 16.10 / Cord
Mixed Hardwood	1,843 Cords	\$ 13.35 / Cord
Mixed Spruce	248 Cords	\$ 10.40 / Cord
Red Pine	79 Cords	\$ 37.90 / Cord
White Ash	142 Cords	\$ 13.35 / Cord
White Pine	809 Cords	\$ 25.50 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 11.85 percent. There are an estimated 4,991 cords on this timber sale, plus or minus 592 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 \$4,467.46 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	4.2%
02	1.3%
03	0.3%
04	5.4%
05	4.9%
06	3.0%
07	4.1%
08	2.6%
09	8.6%
10	12.1%
11	19.3%
12	19.3%
13	14.9%

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
394,313	4,991	11.85%	4,400	5,583

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	41,460	525	25.04%	393	656
12	23,694	300	28.52%	214	385
33	11,750	149	56.41%	65	233
35	4,629	59	177.93%	46	163
36	1,454	18	156.81%	10	47
40	23,504	298	34.89%	194	401
552	287,821	3,643	9.51%	3,297	3,990
TOTAL:	394,313	4,991		4,107	5,876

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	62.6	6	19.3
		7	26.5
		8	16.8
12	10.3	5	10.3
33	26.2	1	26.2
35	6.3	2	6.3
36	3.0	3	3.0
40	24.9	4	24.9
552	122.1	9	14.1
		10	19.9
		11	31.9
		12	31.8
		13	24.4
TOTAL:	255.4		255.4

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Paper Birch	Sawtimber	1.2	MBF	26.2	\$3,749.35
	Balsam Fir	Pulpwood	8	Cords		
	Mixed Aspen		50	Cords		
	<i>B. T. Aspen</i>		50	Cords		
	Mixed Hardwood		17	Cords		
	<i>Paper Birch</i>		8	Cords		
	<i>Red Maple</i>		9	Cords		
	Red Pine		56	Cords		
	White Pine		18	Cords		
2	Balsam Fir	Pulpwood	6	Cords	6.3	\$1,194.50
	Mixed Aspen		47	Cords		
	<i>B. T. Aspen</i>		44	Cords		
	<i>Quaking Aspen</i>		3	Cords		
	Red Pine		10	Cords		
3	Basswood	Sawtimber	1.1	MBF	3.0	\$291.75
	Sugar Maple		0.4	MBF		
	Balsam Fir	Pulpwood	1	Cords		
	Mixed Hardwood		10	Cords		
	<i>Basswood</i>		1	Cords		
	<i>Sugar Maple</i>		9	Cords		
	White Ash		5	Cords		
4	Basswood	Sawtimber	8.7	MBF	24.9	\$4,823.45
	Red Maple		1.5	MBF		
	Sugar Maple		3.6	MBF		
	Balsam Fir	Pulpwood	26	Cords		
	Black Ash		3	Cords		
	Green Ash		46	Cords		
	Mixed Aspen		125	Cords		
	<i>B. T. Aspen</i>		106	Cords		
	<i>Quaking Aspen</i>		19	Cords		
	Mixed Hardwood		46	Cords		
	<i>Basswood</i>		6	Cords		
	<i>Ironwood</i>		7	Cords		
	<i>Red Maple</i>		2	Cords		
	<i>Sugar Maple</i>		31	Cords		
	White Ash		30	Cords		
5	Paper Birch	Sawtimber	4.5	MBF	10.3	\$4,374.20
	Balsam Fir	Pulpwood	41	Cords		
	Green Ash		9	Cords		
	Mixed Aspen		156	Cords		
	<i>Quaking Aspen</i>		156	Cords		
	Mixed Hardwood		63	Cords		
	<i>Balsam Poplar</i>		11	Cords		
	<i>Paper Birch</i>		28	Cords		
	<i>Red Maple</i>		24	Cords		
	Mixed Spruce		17	Cords		
	<i>White Spruce</i>		17	Cords		
	White Ash		8	Cords		
6	Basswood	Sawtimber	9.3	MBF	19.3	\$2,661.40
	Paper Birch		2.7	MBF		
	Red Maple		1.9	MBF		
	Sugar Maple		4.2	MBF		
	Yellow Birch		0.3	MBF		
	Balsam Fir	Pulpwood	8	Cords		
	Black Ash		6	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
6 con't	Mixed Hardwood	Pulpwood	69	Cords		
	<i>Basswood</i>		8	<i>Cords</i>		
	<i>Paper Birch</i>		11	<i>Cords</i>		
	<i>Red Maple</i>		13	<i>Cords</i>		
	<i>Sugar Maple</i>		33	<i>Cords</i>		
	<i>Yellow Birch</i>		4	<i>Cords</i>		
	White Ash		31	Cords		
7	Basswood	Sawtimber	12.8	MBF	26.5	\$3,632.20
	Paper Birch		3.8	MBF		
	Red Maple		2.5	MBF		
	Sugar Maple		5.8	MBF		
	Yellow Birch		0.5	MBF		
	Balsam Fir	Pulpwood	11	Cords		
	Black Ash		9	Cords		
	Mixed Hardwood		94	Cords		
	<i>Basswood</i>		10	<i>Cords</i>		
	<i>Paper Birch</i>		15	<i>Cords</i>		
	<i>Red Maple</i>		18	<i>Cords</i>		
	<i>Sugar Maple</i>		46	<i>Cords</i>		
	<i>Yellow Birch</i>		5	<i>Cords</i>		
	White Ash		41	Cords		
8	Basswood	Sawtimber	8.1	MBF	16.8	\$2,329.35
	Paper Birch		2.4	MBF		
	Red Maple		1.6	MBF		
	Sugar Maple		3.7	MBF		
	Yellow Birch		0.3	MBF		
	Balsam Fir	Pulpwood	7	Cords		
	Black Ash		6	Cords		
	Mixed Hardwood		60	Cords		
	<i>Basswood</i>		7	<i>Cords</i>		
	<i>Paper Birch</i>		10	<i>Cords</i>		
	<i>Red Maple</i>		11	<i>Cords</i>		
	<i>Sugar Maple</i>		29	<i>Cords</i>		
	<i>Yellow Birch</i>		3	<i>Cords</i>		
	White Ash		27	Cords		
9	Red Maple	Sawtimber	12.5	MBF	14.1	\$7,662.85
	Balsam Fir	Pulpwood	37	Cords		
	Black Ash		4	Cords		
	Green Ash		33	Cords		
	Mixed Aspen		19	Cords		
	<i>Quaking Aspen</i>		19	<i>Cords</i>		
	Mixed Hardwood		172	Cords		
	<i>Paper Birch</i>		7	<i>Cords</i>		
	<i>Red Maple</i>		165	<i>Cords</i>		
	Mixed Spruce		26	Cords		
	<i>Black Spruce</i>		3	<i>Cords</i>		
	<i>White Spruce</i>		23	<i>Cords</i>		
	Red Pine		2	Cords		
	White Pine		91	Cords		
10	Red Maple	Sawtimber	17.7	MBF	19.9	\$10,820.15
	Balsam Fir	Pulpwood	52	Cords		
	Black Ash		6	Cords		
	Green Ash		47	Cords		
	Mixed Aspen		27	Cords		
	<i>Quaking Aspen</i>		27	<i>Cords</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
10 con't	Mixed Hardwood	Pulpwood	242	Cords		
	<i>Paper Birch</i>		10	<i>Cords</i>		
	<i>Red Maple</i>		232	<i>Cords</i>		
	Mixed Spruce		38	Cords		
	<i>Black Spruce</i>		5	<i>Cords</i>		
	<i>White Spruce</i>		33	<i>Cords</i>		
	Red Pine		2	Cords		
	White Pine		129	Cords		
11	Red Maple	Sawtimber	28.4	MBF	31.9	\$17,293.15
	Balsam Fir	Pulpwood	82	Cords		
	Black Ash		9	Cords		
	Green Ash		75	Cords		
	Mixed Aspen		43	Cords		
	<i>Quaking Aspen</i>		43	<i>Cords</i>		
	Mixed Hardwood		387	Cords		
	<i>Paper Birch</i>		15	<i>Cords</i>		
	<i>Red Maple</i>		372	<i>Cords</i>		
	Mixed Spruce		60	Cords		
	<i>Black Spruce</i>		7	<i>Cords</i>		
	<i>White Spruce</i>		53	<i>Cords</i>		
	Red Pine		3	Cords		
	White Pine		207	Cords		
12	Red Maple	Sawtimber	28.3	MBF	31.8	\$17,238.45
	Balsam Fir	Pulpwood	83	Cords		
	Black Ash		9	Cords		
	Green Ash		74	Cords		
	Mixed Aspen		43	Cords		
	<i>Quaking Aspen</i>		43	<i>Cords</i>		
	Mixed Hardwood		386	Cords		
	<i>Paper Birch</i>		15	<i>Cords</i>		
	<i>Red Maple</i>		371	<i>Cords</i>		
	Mixed Spruce		60	Cords		
	<i>Black Spruce</i>		7	<i>Cords</i>		
	<i>White Spruce</i>		53	<i>Cords</i>		
	Red Pine		3	Cords		
	White Pine		206	Cords		
13	Red Maple	Sawtimber	21.7	MBF	24.4	\$13,278.45
	Balsam Fir	Pulpwood	64	Cords		
	Black Ash		7	Cords		
	Green Ash		57	Cords		
	Mixed Aspen		33	Cords		
	<i>Quaking Aspen</i>		33	<i>Cords</i>		
	Mixed Hardwood		297	Cords		
	<i>Paper Birch</i>		12	<i>Cords</i>		
	<i>Red Maple</i>		285	<i>Cords</i>		
	Mixed Spruce		47	Cords		
	<i>Black Spruce</i>		6	<i>Cords</i>		
	<i>White Spruce</i>		41	<i>Cords</i>		
	Red Pine		3	Cords		
	White Pine		158	Cords		
TOTAL:			189.5	MBF		
TOTAL:			4,490	Cords		

Sale Specific Conditions & Requirements

Sale Name: Westman Summer

Sale Number: 33-003-22 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 red and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. 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) 5, 9, 10, 11, 12 and 13, cut all trees that are three (3) inches or more at DBH except do not cut any cedar, hemlock and trees marked with green paint. Also, within payment units 11, 12, and 13 do not cut any yellow birch.

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

Within Payment Unit(s) 1, 2, 3, 4, 6, 7, and 8, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition the following species are designated for harvested as listed below:

Unit 1- Cut all aspen, balsam fir, birch, red maple and spruce.

Unit 2- Cut all merchantable species except do not cut hemlock and un-marked pine.

Unit 3 and 4- Cut all aspen, balsam fir, spruce, ironwood and ash.

Units 6, 7 and 8- Cut all aspen, balm, balsam fir, spruce, tamarack, ironwood and ash.

2.1.9 - Harvest exception (12/08)

Do not cut any cedar trees within payment unit 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 \$50.00 per cord for posts and pulpwood, and \$100.00 per cord for bolts and sawlogs.

2.1.11 - Description of timber note (2/04)

Note that All softwood species, aspen, balm, and ash is cruised as pulpwood volumes regardless of tree diameter at breast height (dbh) size class.

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.

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. These roads must be rendered impassable to cars and trucks. Contact the sale administrator for specific details of design and placement.

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 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

5.2.2 - 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

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 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 some low wet ground access to this payment unit.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1, 2, 3, 4, 6, 7 and 8, 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.

5.2.3.6 - Bark beetle restriction (12/08)

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4 mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

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

The forest island 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. Maintain a 20 foot wide slash, debris, and rut free zone daily using the ORV trail or route as the centerline.

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 the Westman Dam 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 Forest Islands ORV 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
33-003	22

Forest Management Unit	County	Mapped By	Racine	Date	08/24/2022	Page	1	of	1
Escanaba	Menominee	Cruised By	Racine						
Township	Range	Section(s) and Subdivision(s)		Scale	1:24,000				
35 36 N	25W	SEE PROPOSAL							

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

PU	Acres	PU	Acres	PU	Acres	PU	Acres
1	26.2	5	10.3	9	14.1	13	24.4
2	6.3	6	19.3	10	19.9		
3	3	7	26.5	11	31.9		
4	24.9	8	16.8	12	31.8		

Westman Summer

Compartment 48

255.4 Acres

