

DEPARTMENT OF NATURAL RESOURCES STATE OF MICHIGAN <u>TIMBER SALE PROSPECTUS #7400</u>

SCHEDULED SALE DATE AND TIME: 3:00 p.m. (local time) on April 2, 2024. LOCATION: ESCANABA MGMT UNIT, 6833 HWY'S 2, 41 & M-35, GLADSTONE, MI 49837.

CONTACT NAME: Eric Thompson PHONE NUMBER: (906) 789-8231

<u>PROSPECTUS NOTE</u>: 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:

 <u>Stinging Muskrat</u> (33-028-23) / T34N, R28W, SEC. 5 , NWNW. T34N, R28W, SEC. 6 , N1/2NE. T35N, R28W, SEC. 31, SENW,SWNE,N1/2SW,SE. T35N, R28W, SEC. 32, SENW,NWNE,N1/2SW,SWSW.
Menominee County, Advertised Price \$25,535.95, 203.2 Acres, Hardwood, Spruce/Fir/Tamarack. SALE NOTE: Payment Units 1 - 12, can be accessed through state land, but Payment Unit 13 will need to be accessed through private property. The landowner has shown a willingness to allow access. Some gravel will need to be hauled and spread by the Purchaser, a gravel pit is near Payment Unit 5.

TIMBER SALE INFORMATION

Stinging Muskrat (33-028-23)

T34N, R28W, SEC. 5; T34N, R28W, SEC. 6; T35N, R28W, SEC. 31; T35N, R28W, SEC. 32. Menominee County (Advertised Price \$25,535.95)

SALE NOTE: Payment Units 1 - 12, can be accessed through state land, but Payment Unit 13 will need to be accessed through private property. The landowner has shown a willingness to allow access. Some gravel will need to be hauled and spread by the Purchaser, a gravel pit is near Payment Unit 5.

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:

PRODUCTS & SPECIES	ESTIMATE	D UNITS*	ADV	ERTISED PRICE
Sawtimber				
Basswood	23.6	MBF	\$	63.00 / MBF
Northern Pin Oak	6.9	MBF	\$	82.00 / MBF
Paper Birch	4.2	MBF	\$	69.00 / MBF
Red Maple	10.0	MBF	\$	73.00 / MBF
Red Oak	3.2	MBF	\$	61.00 / MBF
Sugar Maple	13.5	MBF	\$	135.00 / MBF
White Ash	11.6	MBF	\$	49.00 / MBF
Pulpwood				
Balsam Fir	211	Cords	\$	6.70 / Cord
Basswood	57	Cords	\$	5.55 / Cord
Jack Pine	18	Cords	\$	29.35 / Cord
Mixed Aspen	229	Cords	\$	20.20 / Cord
Mixed Hardwood	380	Cords	\$	9.70 / Cord
Mixed Spruce	317	Cords	\$	10.95 / Cord
N. White Cedar	225	Cords	\$	3.65 / Cord
Northern Pin Oak	57	Cords	\$	11.20 / Cord
Paper Birch	43	Cords	\$	5.45 / Cord
Red Oak	3	Cords	\$	11.20 / Cord
Red Pine	77	Cords	\$	24.75 / Cord
Tamarack	210	Cords	\$	6.50 / Cord
White Pine	59	Cords	\$	14.20 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 9.51 percent. There are an estimated 2,098 cords on this timber sale, plus or minus 199 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 \$1,276.80 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

	PERCENT OF TOTAL SALE
01	11.6%
02	5.6%
03	5.7%
04	4.6%
05	2.5%
06	26.3%
07	2.4%
08	10.3%
09	13.5%
10	10.4%
11	1.6%
12	3.9%
13	1.6%
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- 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.

VOL	UME		STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
165,716	2,098	9.51%	1,898	2,297

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 II	N CORDS
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
4	31,265	396	19.39%	319	472
5	11,735	149	30.80%	103	194
16	7,802	99	51.88%	48	150
17	4,631	59	42.41%	34	83
18	35,644	451	21.77%	353	549
19	2,659	34	85.93%	5	63
22	32,364	410	21.14%	323	496
25	24,906	315	19.65%	253	377
26	2,704	34	43.31%	19	49
27	7,323	93	37.61%	58	128
30	4,685	59	67.23%	19	99
TOTAL:	165,716	2,098		1,534	2,661

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
4	40.3	2	20.1
		3	20.2
5	22.1	1	22.1
16	8.0	4	8.0
17	6.2	5	6.2
18	27.5	6	27.5
19	3.4	7	3.4
22	47.1	8	20.4
		9	26.7
25	28.0	10	28.0
26	1.5	11	1.5
27	6.3	12	6.3
30	12.8	13	12.8
TOTAL:	203.2		203.2

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Balsam Fir	Pulpwood	2	Cords	22.1	\$2,962.75
	Jack Pine		15	Cords		
	Mixed Aspen		25	Cords		
	B. T. Aspen		25	Cords		
	Mixed Hardwood		7	Cords		
	Black Cherry		1	Cords		
	Red Maple		6	Cords		
	Mixed Spruce		5	Cords		
	Black Spruce		5	Cords		
	Northern Pin Oak		30	Cords		
	Red Pine		59	Cords		
	White Pine		6	Cords		
2		Courtingh on	-		20.1	¢4,400,00
2	Paper Birch	Sawtimber	0.3	MBF	20.1	\$1,438.20
	Balsam Fir	Pulpwood	5	Cords		
	Mixed Spruce		60	Cords		
	Black Spruce		60	Cords		
	N. White Cedar		65	Cords		
	Paper Birch		7	Cords		
	Tamarack		52	Cords		
	White Pine		8	Cords		
3	Paper Birch	Sawtimber	0.3	MBF	20.2	\$1,458.85
	Balsam Fir	Pulpwood	5	Cords		
	Mixed Hardwood		1	Cords		
	Red Maple		1	Cords		
	Mixed Spruce		61	Cords		
	Black Spruce		60	Cords		
	White Spruce		1	Cords		
	N. White Cedar		65	Cords		
	Paper Birch		7	Cords		
	Tamarack		52	Cords		
	White Pine		8	Cords		
4	Northern Pin Oak	Sawtimber	1.9	MBF	8.0	\$1,165.80
	Balsam Fir	Pulpwood	42	Cords	0.0	ψ1,100.00
	Mixed Aspen		10	Cords		
	Balsam Poplar					
	Quaking Aspen		8 2	Cords Cords		
	Mixed Hardwood		10			
				Cords		
	Black Ash		1	Cords		
	Red Maple		9	Cords		
	Mixed Spruce		15	Cords		
	White Spruce		15	Cords		
	N. White Cedar		2	Cords		
	Northern Pin Oak		5	Cords		
	Red Pine		3	Cords		
	White Pine		9	Cords		
5	Northern Pin Oak	Sawtimber	0.6	MBF	6.2	\$640.05
	Mixed Aspen	Pulpwood	7	Cords		
	Balsam Poplar		7	Cords		
	Mixed Hardwood		32	Cords		
	American Elm		3	Cords		
	Black Ash		22	Cords		
	Red Maple		7	Cords		
	Mixed Spruce		3	Cords		
	Black Spruce		3	Cords		
	Northern Pin Oak		6	Cords		
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DESCRIPTION OF TIMBER BY PU (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	Tamarack	Pulpwood	6	Cords	TIONEO	ADVENTICE FRIDE
6	Northern Pin Oak	Sawtimber	3.7	MBF	27.5	\$6,697.60
0	Red Maple	Sawtimber	2.3	MBF	21.5	ψ0,097.00
	Red Oak		0.9	MBF		
	Sugar Maple		2.7	MBF		
	Balsam Fir	Pulpwood	117	Cords		
	Basswood		5	Cords		
	Mixed Aspen		184	Cords		
	B. T. Aspen		10	Cords		
	Balsam Poplar		10	Cords		
	Quaking Aspen		163	Cords		
	Mixed Hardwood		49	Cords		
	American Elm		3	Cords		
	Black Cherry		5	Cords		
	Ironwood		1	Cords		
	Red Maple		13	Cords		
	Sugar Maple		24	Cords		
	White Ash		3	Cords		
	Mixed Spruce		23	Cords		
	White Spruce		23	Cords		
	, N. White Cedar		2	Cords		
	Northern Pin Oak		8	Cords		
	Paper Birch		3	Cords		
	Red Oak		1	Cords		
	Red Pine		15	Cords		
	Tamarack		2	Cords		
	White Pine		3	Cords		
7	Basswood	Sawtimber	2.4	MBF	3.4	\$613.95
	Northern Pin Oak		0.7	MBF		
	Red Oak		1.4	MBF		
	Sugar Maple		0.7	MBF		
	White Ash		0.5	MBF		
	Balsam Fir	Pulpwood	1	Cords		
	Basswood		3	Cords		
	Mixed Hardwood		16	Cords		
	Ironwood		1	Cords		
	Sugar Maple		9	Cords		
	White Ash		6	Cords		
	Northern Pin Oak		1	Cords		
	Red Oak		1	Cords		
8	Basswood	Sawtimber	9.2	MBF	20.4	\$2,640.00
	Paper Birch		1.6	MBF		
	Red Maple		0.3	MBF		
	Red Oak		0.4	MBF		
	Sugar Maple		4.4	MBF		
	White Ash		4.8	MBF		
	Balsam Fir	Pulpwood	10	Cords		
	Basswood		21	Cords		
	Mixed Hardwood		80	Cords		
	Beech		2	Cords		
	Ironwood		7	Cords		
	Sugar Maple		36 25	Cords		
	White Ash		35	Cords		
	Mixed Spruce		10 10	Cords		
	White Spruce		10	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
8 con't	Paper Birch	Pulpwood	1	Cords		
9	Basswood	Sawtimber	12.0	MBF	26.7	\$3,436.70
	Paper Birch		2.0	MBF		
	Red Maple		0.4	MBF		
	Red Oak		0.5	MBF		
	Sugar Maple		5.7	MBF		
	White Ash		6.3	MBF		
	Balsam Fir	Pulpwood	13	Cords		
	Basswood		28	Cords		
	Mixed Hardwood		104	Cords		
	Beech		2	Cords		
	Ironwood		9	Cords		
	Red Maple		1	Cords		
	Sugar Maple		47	Cords		
	White Ash		45	Cords		
	Mixed Spruce		12	Cords		
	White Spruce		12	Cords		
	Paper Birch		2	Cords		
	Red Oak		1	Cords		
10	Red Maple	Sawtimber	5.0	MBF	28.0	\$2,645.75
10					28.0	\$2,045.75
	Balsam Fir	Pulpwood	7	Cords		
	Jack Pine		3	Cords		
	Mixed Hardwood		60	Cords		
	American Elm		6	Cords		
	Black Ash		7	Cords		
	Red Maple		44	Cords		
	Sugar Maple		3	Cords		
	Mixed Spruce		56	Cords		
	Black Spruce		53	Cords		
	White Spruce		3	Cords		
	N. White Cedar		72	Cords		
	Paper Birch		8	Cords		
	Tamarack		86	Cords		
	White Pine		6	Cords		
11	Red Maple	Sawtimber	2.0	MBF	1.5	\$420.75
	Balsam Fir	Pulpwood	7	Cords		
	Mixed Aspen		3	Cords		
	Quaking Aspen		3	Cords		
	Mixed Hardwood		9	Cords		
	Black Cherry		1	Cords		
	Red Maple		8	Cords		
	Mixed Spruce		1	Cords		
	Black Spruce		1	Cords		
	Northern Pin Oak		1	Cords		
	Paper Birch		8	Cords		
	White Pine		1	Cords		
12	Mixed Spruce	Pulpwood	64	Cords	6.3	\$995.40
	Black Spruce		64	Cords		ç
	Tamarack		6	Cords		
	White Pine		18	Cords		
13	Balsam Fir	Pulpwood	2	Cords	12.8	\$420.15
13	Mixed Hardwood		2 12	Cords	12.0	φ420.15
	Red Maple		12	Cords		
	Mixed Spruce		7	Cords		
	Black Spruce		7	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
13 con't	N. White Cedar	Pulpwood	19	Cords		
	Northern Pin Oak		6	Cords		
	Paper Birch		7	Cords		
	Tamarack		6	Cords		
		TOTAL:	73.0	MBF		
		TOTAL:	1,886	Cords		

Sale Specific Conditions & Requirements

Sale Name: Stinging Muskrat

Sale Number: 33-028-23 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) 2, 3, 5, 6, 10, 11, 12, and 13, cut all trees that are three (3) inches or more at DBH, with the following exceptions.

Within Payment Units 2 and 3, only cedar less than seven (7) inches at DBH are to be harvested.Within Payment Unit 6, do not cut pine and oak marked with green paint.Within Payment Unit 10, do not cut hemlock. Also do not cut cedar and oak marked with green paint.Within Payment Unit 11, do not cut red pine.

Within Payment Unit 4, cut all trees that are two (2) inches or more at DBH, except do not cut pine and oak marked with green paint.

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

Within Payment Unit(s) 1, 7, 8, and 9, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

In addition, within Payment Unit 1, cut all aspen, balm, spruce/fir, ironwood, and cherry greater than three (3) inches at DBH.

In addition, within Payment Units 7, 8, and 9, cut all aspen, balm, spruce/fir, and ironwood greater than three (3) inches at DBH.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within Payment Unit(s) 4 shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches DBH.

2.2.4 - Skidding length (2/14)

Skidding of unlimbed tops or lengths over 17 feet is not permissible within Payment Units 1, 7, 8, and 9.

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: a minimum of 200 cubic yards of gravel must be hauled and spread by the Purchaser. About half of the gravel will be placed on the access road back to Payment Units 1 - 3 and the other half on the access road into Payment Units 4 - 12. All roadwork must be completed before any hauling takes place on either of the access roads. Gravel is available from state land, on the north side of Payment Unit 5.

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 is the responsibility of the Purchaser. The only Payment Unit that needs to be accessed through private property is Unit 13. The best access is from the north and west of the Payment Unit as shown on the Timber Sale Map. This same access can be used to access Parts of Payment Units 10, 11, and 12. Contact Dustin 906-399-1828 or Dan 906-399-0879 for landowners contact information.

5 - Operations

5.2 - Conduct of Operations

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 2, 3, 5, 10, 11, 12, and 13, cutting and skidding, is 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 the Payment Units.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 7, 8, and 9, 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, 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.

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 each of the access roads (as they are used) 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

7.3 - 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 spruce budworm, eastern larch beetle, emerald ash borer, and oak wilt. 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 contract length has been expanded to include four winters for harvesting, but with the forest health concerns the sale should be harvested as soon as possible.

