



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7418**

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on May 10, 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, CRYSTAL FALLS MANAGEMENT UNIT, for certain timber on the following described lands:

Watershed Valley (12-004-24) / T42N, R27W, SEC. 18, NENW,NWNE.

T42N, R27W, SEC. 7 , SENW,S1/2NE,N1/2SW,SE.

Dickinson County, Advertised Price \$84,225.45, 162.6 Acres, Aspen, Hardwood.

SALE NOTE: Permission from private landowners is the responsibility of the Purchaser, but all wood can be accessed from State.

TIMBER SALE INFORMATION

Watershed Valley (12-004-24)
T42N, R27W, SEC. 18; T42N, R27W, SEC. 7.
Dickinson County (Advertised Price \$84,225.45)

SALE NOTE: Permission from private landowners is the responsibility of the Purchaser, but all wood can be accessed from State.

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	25.6 MBF	\$ 96.00 / MBF
Paper Birch	15.9 MBF	\$ 170.00 / MBF
Red Maple	118.2 MBF	\$ 114.00 / MBF
Sugar Maple	168.7 MBF	\$ 198.00 / MBF
Pulpwood		
Balsam Fir	49 Cords	\$ 6.40 / Cord
Basswood	34 Cords	\$ 7.70 / Cord
Mixed Aspen	373 Cords	\$ 21.85 / Cord
Mixed Hardwood	1,803 Cords	\$ 11.65 / Cord
Paper Birch	194 Cords	\$ 3.25 / Cord
White Spruce	123 Cords	\$ 14.85 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 22.64 percent. There are an estimated 3,345 cords on this timber sale, plus or minus 757 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 \$6,738.04 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	21.1%
02	17.0%
03	28.2%
04	23.0%
05	10.7%

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.

<u>VOLUME</u>		<u>STATISTICAL RANGE IN CORDS</u>		
<u>TOTAL CUBIC FEET</u>	<u>TOTAL CORDS</u>	<u>PERCENT ERROR</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>
264,252	3,345	22.64%	2,588	4,102

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
4	74,286	940	21.46%	739	1,142
6	161,944	2,050	21.03%	1,619	2,481
13	28,022	355	42.95%	202	507
TOTAL:	264,252	3,345		2,560	4,130

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	80.4	1	44.5
		2	35.9
6	71.8	3	39.6
		4	32.2
13	10.4	5	10.4
TOTAL:	162.6		162.6

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	6.3	MBF	44.5	\$17,769.90
	Paper Birch		0.8	MBF		
	Red Maple		12.2	MBF		
	Sugar Maple		59.3	MBF		
	Basswood	Pulpwood	13	Cords		
	Mixed Aspen		3	Cords		
	<i>Balsam Poplar</i>		3	Cords		
	Mixed Hardwood		320	Cords		
	<i>Ironwood</i>		1	Cords		
	<i>Red Maple</i>		52	Cords		
	<i>Sugar Maple</i>		267	Cords		
	Paper Birch		1	Cords		
2	Basswood	Sawtimber	5.0	MBF	35.9	\$14,298.60
	Paper Birch		0.7	MBF		
	Red Maple		9.8	MBF		
	Sugar Maple		47.8	MBF		
	Basswood	Pulpwood	10	Cords		
	Mixed Aspen		2	Cords		
	<i>Balsam Poplar</i>		2	Cords		
	Mixed Hardwood		257	Cords		
	<i>Red Maple</i>		42	Cords		
	<i>Sugar Maple</i>		215	Cords		
	Paper Birch		1	Cords		
3	Basswood	Sawtimber	3.6	MBF	39.6	\$23,773.00
	Paper Birch		7.9	MBF		
	Red Maple		37.9	MBF		
	Sugar Maple		27.1	MBF		
	Balsam Fir	Pulpwood	15	Cords		
	Basswood		3	Cords		
	Mixed Aspen		203	Cords		
	<i>Balsam Poplar</i>		26	Cords		
	<i>Quaking Aspen</i>		177	Cords		
	Mixed Hardwood		557	Cords		
	<i>Black Ash</i>		22	Cords		
	<i>Red Maple</i>		224	Cords		
	<i>Sugar Maple</i>		311	Cords		
	Paper Birch		106	Cords		
	White Spruce		68	Cords		
4	Basswood	Sawtimber	3.0	MBF	32.2	\$19,365.00
	Paper Birch		6.5	MBF		
	Red Maple		30.9	MBF		
	Sugar Maple		22.1	MBF		
	Balsam Fir	Pulpwood	13	Cords		
	Basswood		3	Cords		
	Mixed Aspen		165	Cords		
	<i>Balsam Poplar</i>		21	Cords		
	<i>Quaking Aspen</i>		144	Cords		
	Mixed Hardwood		452	Cords		
	<i>Black Ash</i>		17	Cords		
	<i>Red Maple</i>		182	Cords		
	<i>Sugar Maple</i>		253	Cords		
	Paper Birch		86	Cords		
	White Spruce		55	Cords		
5	Basswood	Sawtimber	7.7	MBF	10.4	\$9,018.95
	Red Maple		27.4	MBF		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	Sugar Maple	Sawtimber	12.4	MBF		
	Balsam Fir	Pulpwood	21	Cords		
	Basswood		5	Cords		
	Mixed Hardwood		217	Cords		
	Red Maple		138	Cords		
	Sugar Maple		79	Cords		
TOTAL:			328.4	MBF		
TOTAL:			2,576	Cords		

Sale Specific Conditions & Requirements

Sale Name: Watershed Valley

Sale Number: 12-004-24 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. Yellow painted trees designating an interior Payment Unit boundary between Payment Units 3 & 4 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) 3-5, cut all trees that are four (4) inches or more at DBH, except do not cut cedar, hemlock, pine or yellow birch.

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

Within Payment Unit(s) 1 & 2, 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 in Payment Units 1 & 2, unless approved by the Unit Manager or his/her representative.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 1-4 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

4.1.1 - Stream crossings, general (3/11)

All stream crossing structures will be temporary and therefore, shall be provided by the Purchaser, and must be removed upon completion of the sale. All permits for stream crossings will be provided by the Purchaser.

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 5 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. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and

logs covered with earth. Contact the Sale Administrator for specific details of design and placement.

4.2 - Maintenance

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 bulldozer 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.

5 - Operations

5.2 - Conduct of Operations

5.2.3 - Operating Restrictions

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1 & 2, 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.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 3-5, cutting and skidding occur during dry summer or frozen winter conditions. The reason for the recommendation is because of shallower soils.

5.2.32 - Decking/landing restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

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 Lantz Road and Skunk Creek 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.



TIMBER SALE MAP

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

Sale Number
12-004-24

Date
03/12/2024

Forest Management Unit

County

Mapped By: Andy Church

Scale

Page

Of

Crystal Falls Mgt Unit

Dickinson

Cruised By: Andy Church

1:15,840

1

1

Township
42N

Range
27W

Section(s) and
Subdivision(s) **Sec. 18 NENW,NWNE; Sec. 7 SENW,S1/2NE,N1/2SW,SE;**

Cover Type

A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous		Z = Water
H = Hemlock	N = Marsh		

Density

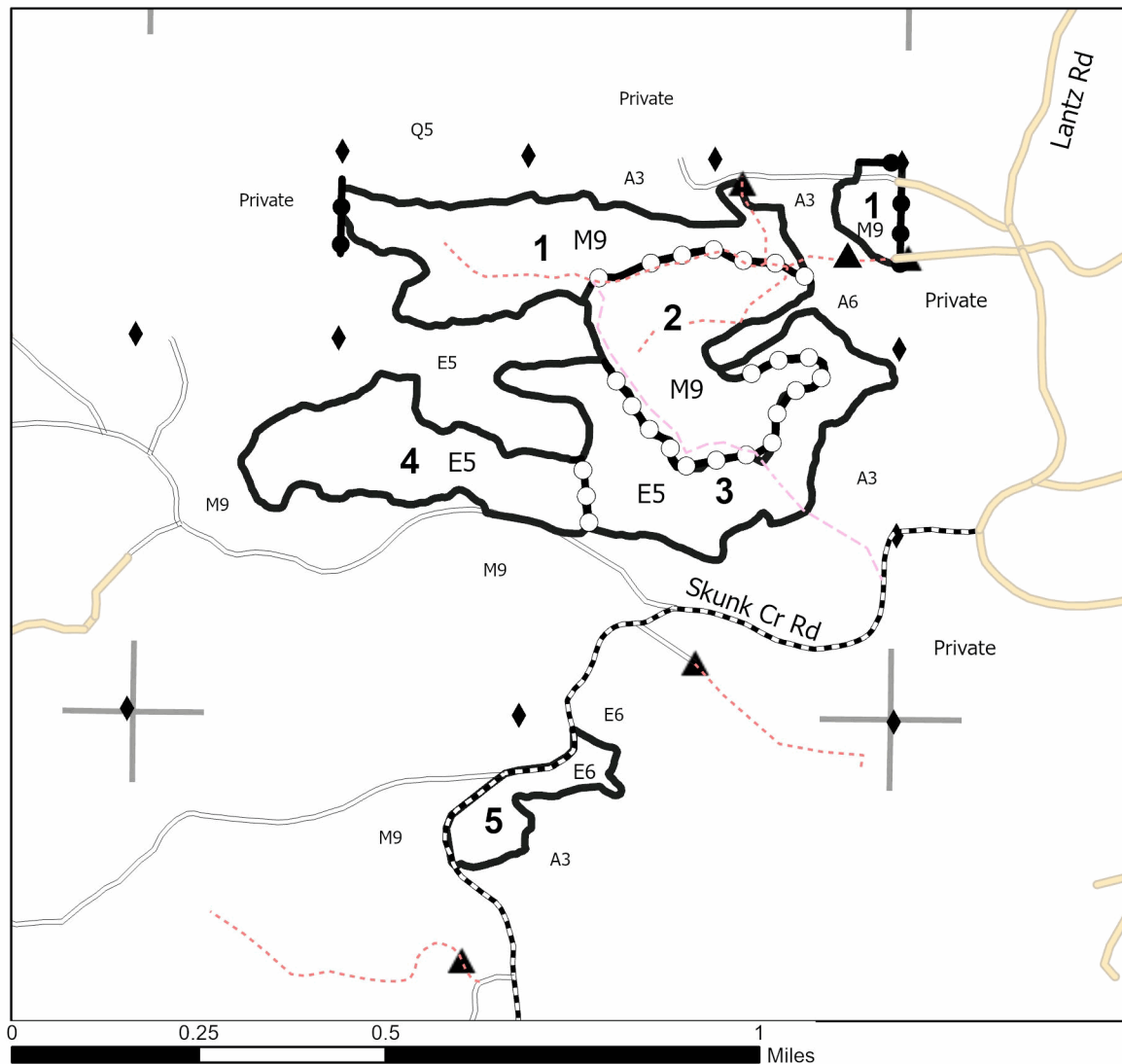
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

PU # Acres

1	44.5
2	35.9
3	39.6
4	32.2
5	10.4

Watershed Valley

**162.6 Acres
Comp 65**



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Primary Forest Road
- Secondary Forest Road
- Administrative Access Only
- Non-DNR Road
- Survey Corner
- Berm
- Section Corner

