



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7146**

**SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on November 28, 2022.**

**LOCATION: SAULT STE MARIE MGMT UNIT, P.O. BOX 798, 4131 S. M-129, SAULT STE MARIE, MI 49783.**

**CONTACT NAME: Josh Brinks**

**PHONE NUMBER: (906) 203-0210**

**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, SAULT STE MARIE MANAGEMENT UNIT, for certain timber on the following described lands:

Between the Bridges Mix (45-002-22) / T45N, R03W, SEC. 1 , SWSW.

T45N, R03W, SEC. 11, NWNW,E1/2NE.

T45N, R03W, SEC. 12, W1/2NW.

T45N, R03W, SEC. 2 , NW,SW,NWSE,S1/2SE.

Chippewa County, Advertised Price \$10,896.85, 165.4 Acres, Aspen, Spruce/Fir/Tamarack.

**SALE NOTE:** 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

Between the Bridges Mix (45-002-22)

T45N, R03W, SEC. 1; T45N, R03W, SEC. 11; T45N, R03W, SEC. 12; T45N, R03W, SEC. 2.

Chippewa County (Advertised Price \$10,896.85)

**SALE NOTE:** 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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Red Maple	3.5 MBF	\$ 23.00 / MBF
Pulpwood		
Balsam Fir	126 Cords	\$ 3.55 / Cord
Jack Pine	43 Cords	\$ 13.00 / Cord
Mixed Aspen	493 Cords	\$ 5.40 / Cord
Mixed Hardwood	200 Cords	\$ 5.10 / Cord
Mixed Spruce	1,571 Cords	\$ 2.65 / Cord
Paper Birch	280 Cords	\$ 5.95 / Cord
Tamarack	206 Cords	\$ 1.45 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 8.12 percent. There are an estimated 2,855 cords on this timber sale, plus or minus 232 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 \$544.84 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	23.0%
02	23.2%
03	22.2%
04	31.6%

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.

<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>
225,524	2,855	8.12%	2,623	3,087

## 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
1	25,183	319	29.51%	225	413
5	57,227	724	16.08%	608	841
6	27,743	351	20.80%	278	424
8	17,469	221	22.23%	172	270
25	60,154	761	18.24%	623	900
44	13,568	172	33.13%	115	229
54	24,180	306	28.11%	220	392
<b>TOTAL:</b>	<b>225,524</b>	<b>2,855</b>		<b>2,240</b>	<b>3,469</b>

## 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
1	19.6	2	19.6
5	38.4	4	38.4
6	23.2	1	23.2
8	13.3	4	13.3
25	44.1	3	44.1
44	13.4	2	13.4
54	13.4	1	13.4
<b>TOTAL:</b>	<b>165.4</b>		<b>165.4</b>

**DESCRIPTION OF TIMBER BY PU (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Sawtimber	2.5	MBF	36.6	\$2,501.45
	Balsam Fir	Pulpwood	55	Cords		
	Mixed Aspen		63	Cords		
	<i>B. T. Aspen</i>		31	<i>Cords</i>		
	<i>Quaking Aspen</i>		32	<i>Cords</i>		
	Mixed Hardwood		60	Cords		
	<i>Red Maple</i>		60	<i>Cords</i>		
	Mixed Spruce		363	Cords		
	<i>Black Spruce</i>		363	<i>Cords</i>		
	Paper Birch		104	Cords		
	Tamarack		15	Cords		
2	Balsam Fir	Pulpwood	37	Cords	33.0	\$2,533.45
	Mixed Aspen		417	Cords		
	<i>Balsam Poplar</i>		37	<i>Cords</i>		
	<i>Quaking Aspen</i>		380	<i>Cords</i>		
	Mixed Spruce		41	Cords		
	<i>Black Spruce</i>		12	<i>Cords</i>		
	<i>White Spruce</i>		29	<i>Cords</i>		
	Paper Birch		7	Cords		
3	Balsam Fir	Pulpwood	3	Cords	44.1	\$2,421.55
	Jack Pine		39	Cords		
	Mixed Aspen		7	Cords		
	<i>Quaking Aspen</i>		7	<i>Cords</i>		
	Mixed Hardwood		2	Cords		
	<i>Red Maple</i>		2	<i>Cords</i>		
	Mixed Spruce		556	Cords		
	<i>Black Spruce</i>		556	<i>Cords</i>		
	Paper Birch		27	Cords		
Tamarack		153	Cords			
4	Red Maple	Sawtimber	1.0	MBF	51.7	\$3,440.40
	Balsam Fir	Pulpwood	31	Cords		
	Jack Pine		4	Cords		
	Mixed Aspen		6	Cords		
	<i>Quaking Aspen</i>		6	<i>Cords</i>		
	Mixed Hardwood		138	Cords		
	<i>Red Maple</i>		138	<i>Cords</i>		
	Mixed Spruce		611	Cords		
	<i>Black Spruce</i>		611	<i>Cords</i>		
	Paper Birch		142	Cords		
Tamarack		38	Cords			
TOTAL:			3.5	MBF		
TOTAL:			2,919	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Between the Bridges Mix**

**Sale Number: 45-002-22 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 blue and red paint and with roads right of ways. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint or bound by roads. Interior Payment Unit boundaries are identified by roads 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.

### **2 - Timber Specifications**

#### **2.1 - Included Timber**

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

Within Payment Unit(s) #'s 1, 2, 3, and 4, cut all trees that are two (2) inches or more at DBH except do not cut pine, cedar, hemlock, yellow birch or oak.

### **3 - Payments**

#### **3.3 - Pre-measured Sales**

##### **3.3.4 - Dividing payment units (7/14)**

Payment Unit(s) #'s 1, 2, 3, and 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**

##### **4.1.2 - Stream crossings, specific (3/11)**

The Creek/River crossing will require the installation of a portable bridge which may be borrowed from the DNR. This installation will be performed by the purchaser in accordance with the specifications on the appropriate permits which shall be provided by the DNR. DNR staff will be on site during installation to ensure the bridge is properly set in place.

##### **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. 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. Stumps and brush must be placed along the remainder of the trail. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. These stumps must be scattered along the road system to prohibit vehicular movement. 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 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

##### 4.4.5 - Federal property access (3/11)

Permission for access across federal land is the responsibility of the Purchaser if they desire to access this sale from the west and haul out to M-123.

## 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.

##### 5.2.4 - Dead and Down Creation

###### 5.2.4.3 - Dead and down creation, dead trees (6/07)

Except as provided for in General Condition and Requirement 5.2.2, no dead trees, standing or down, are to be cut, skidded, or processed. Except for any dead trees within 50' of the Spile Dam Road.

##### 5.2.17 - Timber Mats and Interlocking Composite Mats (10/20)

Some roads or skid trails may require extra protection such as that afforded by timber mats, interlocking composite mats, or another approved system. If available, mats may be borrowed from the DNR. A Timber Sale Contract Supplement will be used to document the Purchaser's use of the DNR's mats. Contact the sale administrator regarding availability and pick-up. Timber mats are available from various field offices. Composite mats are only available from the Grayling field office and the Marquette ICC. The Purchaser is responsible for picking up and hauling the mats to and from the site. The composite mats will require DNR staff onsite for installation and removal. Contact the sale administrator to schedule at least 30 days before desired install/removal date. All mats must be cleaned prior to drop off. This may include, but is not limited to, power washing and brushing to remove mud and debris. A charge of \$700.00 per timber mat and \$2,000.00 per composite mat will be assessed for all damaged or non-returned mats. Damage for the crane/timber mats is defined as three or more broken cants. Damage for the composite mats is defined as cracked or broken mats.

##### 5.2.22 - Operating Caution

###### 5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) #'s 1, 2, 3, and 4, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because poorly drained and organic 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.

##### 5.2.41 - Snowmobile trail protection (9/11)

The snowmobile trail is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1st. If the trail road is to be used for hauling during the snowmobile season, then a snow covered base must be left on the trail. Maintain a 20 foot wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 5 feet of the snowmobile trail must be cut at ground level.

## 5.8 - Protection of Endangered Species

### 5.8.5 - Protection of raptor nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an on-site evaluation and recommendation can be made, if necessary.

## 6 - Safety and Fire Prevention

### 6.2 - Signing

#### 6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the snowmobile trail prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail 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	Year
45-002-22	2022

Forest Management Unit Sault Ste. Marie	County Chippewa	Mapped By Brinks	Date 08/29/22	Page 1	of 1
Cruised By Brinks/ Fanelli					

Township T45N	Range R03W	Section(s) and Subdivision(s) Sec. 2- W1/2, S1/2SE, NWSE Sec. 1- SWSW Sec. 11-NWNW, E1/2NE Sec. 12- W1/2NW	Scale 1:15,840 1 inch= 1/4 mile
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**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

