



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7331**

**SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on January 8, 2024.**

**LOCATION: SAULT DNR CUSTOMER SERVICE CENTER, 4131 S. M-129, SAULT STE MARIE, MI 49783.**

**CONTACT NAME: Kenny Fanelli**

**PHONE NUMBER: (906) 287-1380**

**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:

D.I. Sheep Ranch (45-009-23) / T41N, R07E, SEC. 17, NENW,N1/2NE.

T41N, R07E, SEC. 4 , W1/2NE,E1/2SW,W1/2SE.

T41N, R07E, SEC. 5 , NWSW,S1/2SW,SE.

T41N, R07E, SEC. 6 , NESE,S1/2SE.

T41N, R07E, SEC. 7 , NENE.

T41N, R07E, SEC. 8 , NW,NE,SESW,S1/2SE.

Chippewa County, Advertised Price \$38,273.25, 292.9 Acres, Aspen, Spruce/Fir/Tamarack.

SALE NOTE: Aspen mixed sale with some units winter restricted.

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

D.I. Sheep Ranch (45-009-23)

T41N, R07E, SEC. 17; T41N, R07E, SEC. 4; T41N, R07E, SEC. 5; T41N, R07E, SEC. 6; T41N, R07E, SEC. 7; T41N, R07E, SEC. 8.  
Chippewa County (Advertised Price \$38,273.25)

SALE NOTE: Aspen mixed sale with some units winter restricted.

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		
Sugar Maple	3.8 MBF	\$ 143.00 / MBF
Pulpwood		
Balsam Fir	294 Cords	\$ 5.05 / Cord
Mixed Aspen	3,394 Cords	\$ 7.50 / Cord
Mixed Hardwood	650 Cords	\$ 7.50 / Cord
Mixed Spruce	1,163 Cords	\$ 5.05 / Cord
Tamarack	21 Cords	\$ 2.00 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 8.89 percent. There are an estimated 5,453 cords on this timber sale, plus or minus 485 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 \$3,061.86 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	19.8%
02	16.1%
03	17.4%
04	7.7%
05	8.3%
06	18.7%
07	2.7%
08	9.3%

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>
430,768	5,453	8.89%	4,968	5,938

## 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	13,588	172	70.12%	51	293
20	83,251	1,054	30.22%	735	1,372
24	52,182	661	26.06%	488	833
27	6,492	82	66.84%	27	137
29	127,900	1,619	14.95%	1,377	1,861
45	46,434	588	20.33%	468	707
55	21,679	274	30.19%	192	357
59	10,699	135	53.63%	63	208
60	68,543	868	14.75%	740	996
<b>TOTAL:</b>	<b>430,768</b>	<b>5,453</b>		<b>4,142</b>	<b>6,764</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
4	5.9	6	5.9
20	41.4	1	41.4
24	50.5	8	50.5
27	6.0	2	6.0
29	73.1	2	33.4
		3	39.7
45	49.9	4	35.3
		5	14.6
55	14.3	5	14.3
59	10.5	7	10.5
60	41.3	6	41.3
<b>TOTAL:</b>	<b>292.9</b>		<b>292.9</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Balsam Fir	Pulpwood	47	Cords	41.4	\$7,600.20
	Mixed Aspen		855	Cords		
	<i>B. T. Aspen</i>		313	Cords		
	<i>Balsam Poplar</i>		28	Cords		
	<i>Quaking Aspen</i>		514	Cords		
	Mixed Hardwood		21	Cords		
	<i>Paper Birch</i>		21	Cords		
	Mixed Spruce		157	Cords		
	<i>White Spruce</i>		157	Cords		
2	Sugar Maple	Sawtimber	1.7	MBF	39.4	\$6,166.15
	Balsam Fir	Pulpwood	54	Cords		
	Mixed Aspen		530	Cords		
	<i>B. T. Aspen</i>		265	Cords		
	<i>Balsam Poplar</i>		15	Cords		
	<i>Quaking Aspen</i>		250	Cords		
	Mixed Hardwood		185	Cords		
	<i>Beech</i>		3	Cords		
	<i>Ironwood</i>		11	Cords		
	<i>Paper Birch</i>		34	Cords		
	<i>Red Maple</i>		13	Cords		
	<i>Sugar Maple</i>		124	Cords		
	Mixed Spruce		57	Cords		
	<i>White Spruce</i>		57	Cords		
3	Sugar Maple	Sawtimber	2.1	MBF	39.7	\$6,667.40
	Balsam Fir	Pulpwood	47	Cords		
	Mixed Aspen		576	Cords		
	<i>B. T. Aspen</i>		315	Cords		
	<i>Balsam Poplar</i>		16	Cords		
	<i>Quaking Aspen</i>		245	Cords		
	Mixed Hardwood		211	Cords		
	<i>Beech</i>		4	Cords		
	<i>Ironwood</i>		12	Cords		
	<i>Paper Birch</i>		41	Cords		
	<i>Red Maple</i>		14	Cords		
	<i>Sugar Maple</i>		140	Cords		
	Mixed Spruce		45	Cords		
	<i>White Spruce</i>		45	Cords		
4	Balsam Fir	Pulpwood	13	Cords	35.3	\$2,935.30
	Mixed Aspen		282	Cords		
	<i>Balsam Poplar</i>		17	Cords		
	<i>Quaking Aspen</i>		265	Cords		
	Mixed Hardwood		38	Cords		
	<i>Paper Birch</i>		25	Cords		
	<i>White Ash</i>		13	Cords		
	Mixed Spruce		93	Cords		
	<i>White Spruce</i>		93	Cords		
5	Balsam Fir	Pulpwood	13	Cords	28.9	\$3,191.65
	Mixed Aspen		272	Cords		
	<i>Balsam Poplar</i>		34	Cords		
	<i>Quaking Aspen</i>		238	Cords		
	Mixed Hardwood		64	Cords		
	<i>Beech</i>		2	Cords		
	<i>Green Ash</i>		31	Cords		
	<i>Paper Birch</i>		26	Cords		
	<i>White Ash</i>		5	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	Mixed Spruce <i>White Spruce</i>	Pulpwood	120 120	Cords Cords		
6	Balsam Fir Mixed Aspen <i>B. T. Aspen</i> <i>Balsam Poplar</i> <i>Quaking Aspen</i> Mixed Hardwood <i>Beech</i> <i>Ironwood</i> <i>Paper Birch</i> Mixed Spruce <i>Black Spruce</i> <i>White Spruce</i>	Pulpwood	114 661 69 92 500 89 2 11 76 187 3 184	Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords	47.2	\$7,145.05
7	Mixed Aspen <i>B. T. Aspen</i> <i>Balsam Poplar</i> <i>Quaking Aspen</i> Mixed Hardwood <i>Ironwood</i> <i>Paper Birch</i> <i>Sugar Maple</i> Mixed Spruce <i>White Spruce</i>	Pulpwood	92 42 21 29 42 4 35 3 2 2	Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords	10.5	\$1,015.10
8	Balsam Fir Mixed Aspen <i>B. T. Aspen</i> <i>Quaking Aspen</i> Mixed Spruce <i>White Spruce</i> Tamarack	Pulpwood	6 126 46 80 502 502 21	Cords Cords Cords Cords Cords Cords Cords	50.5	\$3,552.40
TOTAL:			3.8	MBF		
TOTAL:			5,522	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: D.I. Sheep Ranch**

**Sale Number: 45-009-23 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. 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. 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) 1-6 & 8, cut all trees that are two (2) inches or more at DBH, except do not cut any cedar, maple, pine, hemlock, oak, or yellow birch, along with any beech over twelve (12) inches at DBH in Payment Unit 6, or any paper birch and sugar maple in Payment Unit 8.

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

Within Payment Unit(s) 7, all aspen, paper birch, balsam poplar, and spruce trees are designated for cutting which are two (2) inches or greater at DBH. Additionally, all other species are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

### **3 - Payments**

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

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

Payment Unit(s) 1-8 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. The Unit Manager and his/her representatives must be notified prior to beginning any road improvements or road construction.

##### **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 double earthen berms at strategic locations. Stumps and brush must be placed along the remainder of the trail. These roads must be rendered impassable to cars and trucks. 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. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the Sale Administrator for specific details of design and placement.

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

The following road work is required: improvement of the two-track running east-west across the Sheep Ranch opening and the building of a new road south to Payment Units 6 & 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 wet weather conditions.

#### 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. Approval from the Sale Administrator must be acquired before removing any material 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 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.

#### 4.2.5 - Two wheel drive condition (2/04)

All existing trail roads on and adjacent to the sale area must be passable by two-wheel drive traffic for the duration of the sale.

## 5 - Operations

### 5.2 - Conduct of Operations

#### 5.2.1 - Slash

##### 5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in the maintained wildlife opening which is indicated by "G0" on the Timber Sale Map. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

#### 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) 6 & 7, unless changed by written agreement, cutting is limited to the period of December 1 to March 31. This restriction is because of the adjacent winter deer yard.

#### 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.

#### 5.2.22 - Operating Caution

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

It is recommended, but not required, that within Payment Unit(s) 1-5, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because of marginally wet ground conditions.

#### 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.

#### 5.2.37 - No decking areas (12/08)

No decking is allowed along any ORV Route without permission from the Unit Manager or his/her representatives. This includes Glen Cove Road and Turkey Ranch Road. Spur roads should be constructed and utilized for loading trucks. Additionally, no decking is allowed along the edge of the Sheep Ranch opening which is indicated by "G0" on the Timber Sale Map.

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

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

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

Glen Cove and Turkey Ranch are ORV routes and are shown on the Timber Sale Map. Do not cut trees or damage posts with yellow ORV markers. All stumps within 5 feet of the trail must be cut flush with the ground. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the ORV trail or route as the centerline. Skidding across the trail or route may only occur in locations approved by the Sale Administrator.

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

A 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. The road maintenance/restoration must be done prior to December 1. 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 1. 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. The snowmobile trail may only be crossed at right angles. 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.

#### 5.2.43 - Opening protection (2/21)

No activities are permitted in openings marked on the Timber Sale Map with the letter "G". Any damage to the openings shall be repaired according to specifications of the Unit Manager or his/her representative.

### 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

#### 6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Glen Cove Road and Turkey Ranch 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.

#### 6.2.2 - 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.

#### 6.2.3 - Recreational trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the ATV 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.



## **7 - Other Conditions**

### **7.5 - Loss**

#### **7.5.1 - Deteriorating timber (7/09)**

The sale area has received damage from spruce budworm in Payment Unit 8. 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.

**TIMBER SALE MAP**

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

Sale Number  
**45-009-23**Date  
**08/24/2023**

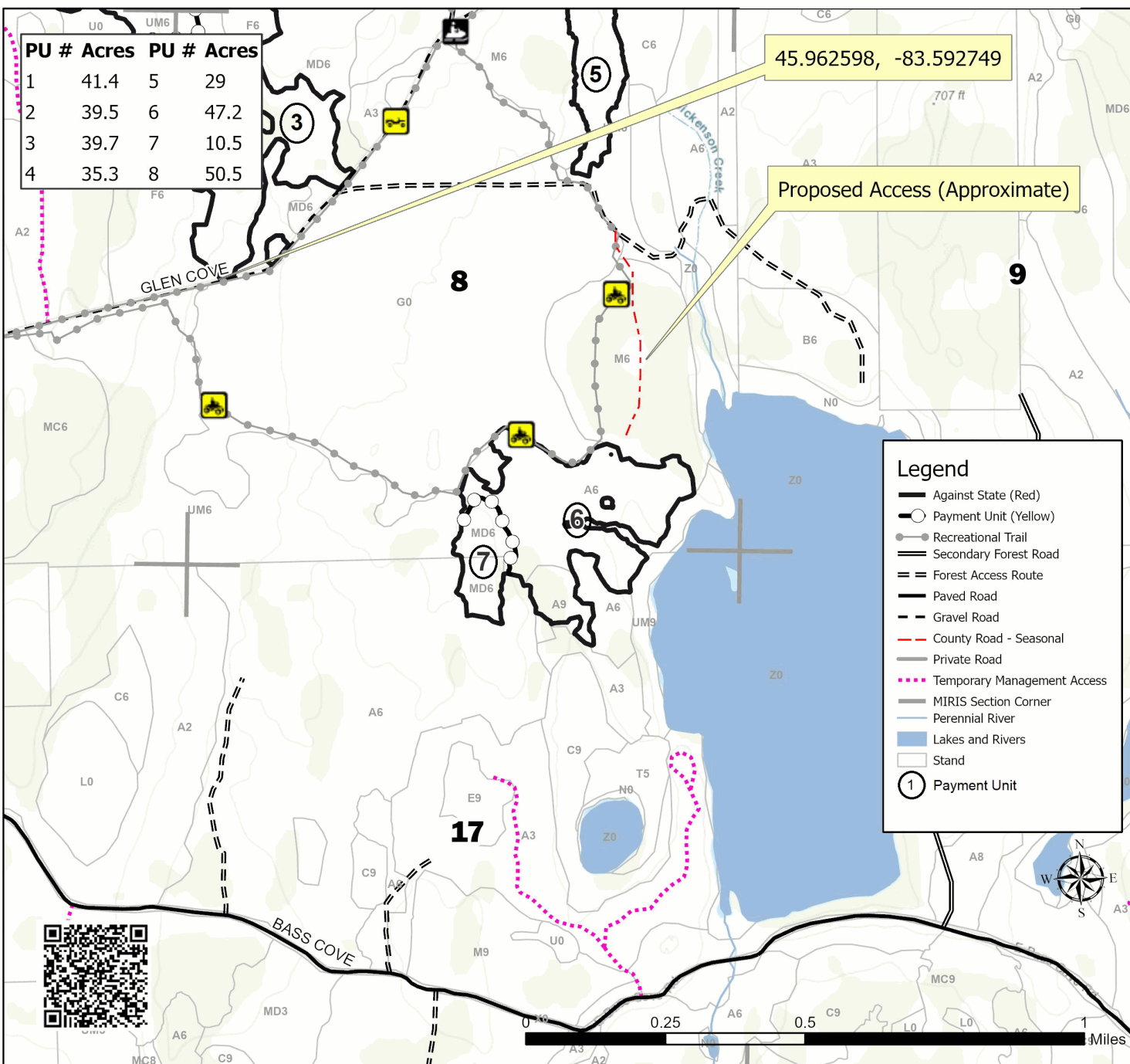
Forest Management Unit Sault Ste Marie Mgt Unit	County Chippewa	Mapped By: Fanelli		Scale	Page	Of
		Cruised By: Fanelli/Brinks		1:15,840	2	2
Township 41N	Range 07E	Section(s) and Subdivision(s) Sec. 17 NENW,N1/2NE; Sec. 4 W1/2NE,E1/2SW,W1/2SE; Sec. 5 NWSW,S1/2SW,SE; Sec. 6 NESE,S1/2SE; Sec. 7 NENE; Sec. 8 NW,NE,SESW,S1/2SE;				

**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

**D.I. Sheep Ranch**  
**292.9 Acres**

**TIMBER SALE MAP**

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

Sale Number  
**45-009-23**Date  
**08/24/2023**

Forest Management Unit		County	Mapped By: Fanelli	Scale 1:15,840	Page 1	Of 2
Sault Ste Marie Mgt Unit		Chippewa	Cruised By: Fanelli/Brinks			
Township 41N	Range 07E	Section(s) and Subdivision(s)	Sec. 17 NENW,N1/2NE; Sec. 4 W1/2NE,E1/2SW,W1/2SE; Sec. 5 NWSW,S1/2SW,SE; Sec. 6 NESE,S1/2SE; Sec. 7 NENE; Sec. 8 NW,NE,SESW,S1/2SE;			

**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

**D.I. Sheep Ranch**  
**292.9 Acres**