



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7411**

**SCHEDULED SALE DATE AND TIME: 3:00 p.m. (local time) on April 23, 2024.**

**LOCATION: NAUBINWAY DNR FIELD OFFICE, PO BOX 287, US 2 W11569, NAUBINWAY, MI 49762.**

**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:

Conversion Mix (45-110-23) / T44N, R07W, SEC. 29, SWNW,NWSW.

T44N, R07W, SEC. 30, NE,S1/2SW,N1/2SE,SWSE.

Mackinac County, Advertised Price \$216,671.50, 99.4 Acres, Aspen, Red Pine.

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

Conversion Mix (45-110-23)

T44N, R07W, SEC. 29; T44N, R07W, SEC. 30.

Mackinac County (Advertised Price \$216,671.50)

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	5.1 MBF	\$ 111.00 / MBF
Sugar Maple	2.7 MBF	\$ 307.00 / MBF
Pulpwood		
Balsam Fir	150 Cords	\$ 7.70 / Cord
Hemlock	4 Cords	\$ 11.00 / Cord
Misc. Species 1	22.3 Acres	\$ 11.00 / Acre
Mixed Aspen	483 Cords	\$ 24.95 / Cord
Mixed Hardwood	159 Cords	\$ 11.45 / Cord
Mixed Spruce	69 Cords	\$ 6.30 / Cord
Paper Birch	140 Cords	\$ 8.30 / Cord
Red Pine	1,896 Cords	\$ 104.60 / Cord
Tamarack	5 Cords	\$ 8.50 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 12.72 percent. There are an estimated 2,786 cords on this timber sale, plus or minus 354 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 \$21,667.15 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	14.1%
02	29.7%
03	23.9%
04	0.1%
05	0.7%
06	31.5%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2028.

### **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
220,112	2,786	12.72%	2,432	3,141
22.40 acres are being sold by the acre and do not have cubic foot or cord volumes.				

## 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
15 *			N/A		
49	51,610	653	9.98%	588	718
51	53,362	675	23.89%	514	837
54	12,508	158	43.28%	90	227
59	72,672	920	24.64%	693	1,147
61	40,936	518	35.20%	336	701
63 *			N/A		
75	0	0	0.00%	0	0
<b>TOTAL:</b>	<b>231,088</b>	<b>2,925</b>		<b>2,221</b>	<b>3,629</b>

\* This VDU is being sold by the acre. There are no cruise statistics available.

## 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
15	10.6	4	10.6
49	28.2	6	28.2
51	12.1	1	1.8
		2	10.3
54	4.4	5	4.4
59	25.8	1	15.9
		2	8.4
		3	1.5
61	6.3	3	6.3
63	11.8	4	11.8
75	0.2	5	0.2
<b>TOTAL:</b>	<b>99.4</b>		<b>99.4</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Sawtimber	3.1	MBF	17.7	\$30,535.80
	Sugar Maple		1.6	MBF		
	Balsam Fir	Pulpwood	52	Cords		
	Hemlock		3	Cords		
	Mixed Aspen		256	Cords		
	<i>B. T. Aspen</i>		17	<i>Cords</i>		
	<i>Quaking Aspen</i>		239	<i>Cords</i>		
	Mixed Hardwood		78	Cords		
	<i>Black Cherry</i>		12	<i>Cords</i>		
	<i>Red Maple</i>		48	<i>Cords</i>		
	<i>Sugar Maple</i>		18	<i>Cords</i>		
	Mixed Spruce		38	Cords		
	<i>Black Spruce</i>		11	<i>Cords</i>		
	<i>White Spruce</i>		27	<i>Cords</i>		
	Paper Birch		21	Cords		
	Red Pine		206	Cords		
	<i>Red Pine</i>		206	<i>Cords</i>		
	Tamarack		3	Cords		
2	Red Maple	Sawtimber	1.7	MBF	18.7	\$64,283.65
	Sugar Maple		0.9	MBF		
	Balsam Fir	Pulpwood	52	Cords		
	Hemlock		1	Cords		
	Mixed Aspen		156	Cords		
	<i>B. T. Aspen</i>		9	<i>Cords</i>		
	<i>Quaking Aspen</i>		147	<i>Cords</i>		
	Mixed Hardwood		49	Cords		
	<i>Black Cherry</i>		7	<i>Cords</i>		
	<i>Red Maple</i>		33	<i>Cords</i>		
	<i>Sugar Maple</i>		9	<i>Cords</i>		
	Mixed Spruce		27	Cords		
	<i>Black Spruce</i>		12	<i>Cords</i>		
	<i>White Spruce</i>		15	<i>Cords</i>		
	Paper Birch		23	Cords		
	Red Pine		560	Cords		
	<i>Red Pine</i>		560	<i>Cords</i>		
	Tamarack		2	Cords		
3	Red Maple	Sawtimber	0.3	MBF	7.8	\$51,795.20
	Sugar Maple		0.2	MBF		
	Balsam Fir	Pulpwood	5	Cords		
	Mixed Aspen		60	Cords		
	<i>B. T. Aspen</i>		23	<i>Cords</i>		
	<i>Quaking Aspen</i>		37	<i>Cords</i>		
	Mixed Hardwood		20	Cords		
	<i>Black Cherry</i>		7	<i>Cords</i>		
	<i>Red Maple</i>		7	<i>Cords</i>		
	<i>Sugar Maple</i>		6	<i>Cords</i>		
	Mixed Spruce		4	Cords		
	<i>Black Spruce</i>		1	<i>Cords</i>		
	<i>White Spruce</i>		3	<i>Cords</i>		
	Paper Birch		2	Cords		
	Red Pine		477	Cords		
	<i>Red Pine</i>	<i>Sawtimber</i>	8.1	<i>MBF</i>		
	<i>Red Pine</i>	<i>Pulpwood</i>	461	<i>Cords</i>		
4	Misc. Species 1	Pulpwood	22.3	Acres	22.4	\$245.30
5	Balsam Fir	Pulpwood	41	Cords	4.6	\$1,507.75

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	Mixed Aspen	Pulpwood	11	Cords		
	<i>B. T. Aspen</i>		5	<i>Cords</i>		
	<i>Quaking Aspen</i>		6	<i>Cords</i>		
	Mixed Hardwood		12	Cords		
	<i>Red Maple</i>		12	<i>Cords</i>		
	Paper Birch		94	Cords		
6	Red Pine	Pulpwood	653	Cords	28.2	\$68,303.80
	<i>Red Pine</i>		653	<i>Cords</i>		
TOTAL:			7.8	MBF		
TOTAL:			2,906	Cords		
TOTAL:			22.3	Acres		

## **Sale Specific Conditions & Requirements**

**Sale Name: Conversion Mix**

**Sale Number: 45-110-23 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 red and green paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with green paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Green 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) 1-3, cut all trees that are two (2) inches or more at DBH.

Within Payment Unit 4, cut all trees that are two (2) inches or more at DBH, except do not cut apple, crab apple, or mountain ash.

Within Payment Unit 5, cut all trees that are two (2) inches or more at DBH, except do not cut cedar, hemlock, or white pine.

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

Within Payment Unit(s) 6, all trees are designated for cutting when marked with yellow paint above and below stump height, regardless of merchantability.

#### **2.2 - Utilization**

##### **2.2.9 - No chipping permitted (12/08)**

Within Payment Unit(s) 5 & 6, all wood must be removed by whole tree, tree segment, or roundwood. No chipping is permitted.

### **3 - Payments**

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

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

Payment Unit(s) 1-3 & 6 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**

##### **4.1.3 - Slash and earthen piles (8/04)**

Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road maintenance or construction, including stumps, shall be dispersed throughout the sale.

##### **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 double earthen berms at strategic locations. These roads must be rendered impassable to cars and trucks. 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.

#### 4.2 - Maintenance

##### 4.2.1 - Hauling restriction (12/08)

Hauling is restricted on Dinkey Line Road. The restriction is a permanent weight restriction. Hauling will be restricted, unless permission is granted from the Mackinac County Road Commission.

##### 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

##### 5.2.2 - 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, unless changed by written agreement or unless timber mats are used, cutting and skidding is limited to the period of having frozen winter ground. This restriction is because a low wet area must be crossed for access into the Payment Unit.

##### 5.2.17 - Timber Mats and Interlocking Composite Mats (5/23)

Some roads or skid trails may require extra protection such as that afforded by timber mats, interlocking composite mats, or another approved system. Approximately 150 feet of road or trail may need extra protection at locations shown on the Timber Sale Map. If available, mats may be borrowed from the DNR. A Timber Sale Contract Amendment 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.

##### 5.2.32 - 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 within 50 feet of Fisher Road without permission of the Unit Manager or his/her representative.

##### 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)

Fisher Road and Dinkey Line Road are ORV trails or routes and are shown on the Timber Sale Map. A motorcycle trail is also shown on the Timber Sale Map, which runs through Payment Unit 4. Do not cut trees or damage posts with yellow ORV markers. Trees with yellow ORV markers shall be cut off above the markers and at least 5 feet above ground. 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. Do not run equipment down the ORV trail or route. Skidding across the trail or route

may only occur in locations approved by the Sale Administrator.

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

Fisher Road and Dinkey Line Road is a snowmobile trail and 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 20 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 Fisher Road and Dinkey Line Road prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail must be posted where the trail starts on both Fisher and Dinkey Line Roads, as well as the intersection of Fisher Road and Dinkey Line Road. 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 motorcycle trail prior to beginning operations. The trail must be posted at locations where it enters 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  
**45-110-23**

Date  
**11/20/2023**

Forest Management Unit	County	Mapped By: C. Flatt
Sault Ste Marie Mgt Unit	Mackinac	Cruised By: Naubinway DNR Staff

Scale  
**1:15,840**

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Of  
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Township	Range	Section(s) and Subdivision(s)
44N	07W	Sec. 29 SWNW,NWSW; Sec. 30 NE,S1/2SW,N1/2SE,SWSE;

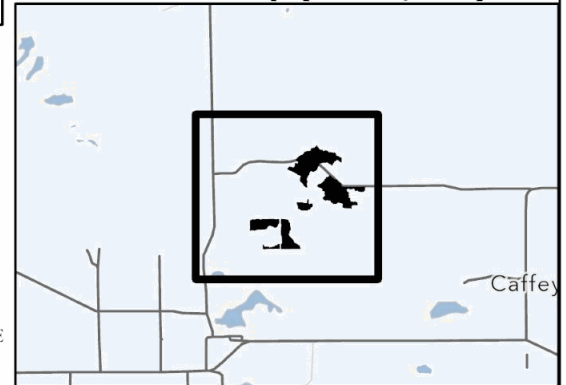
## Cover Type

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

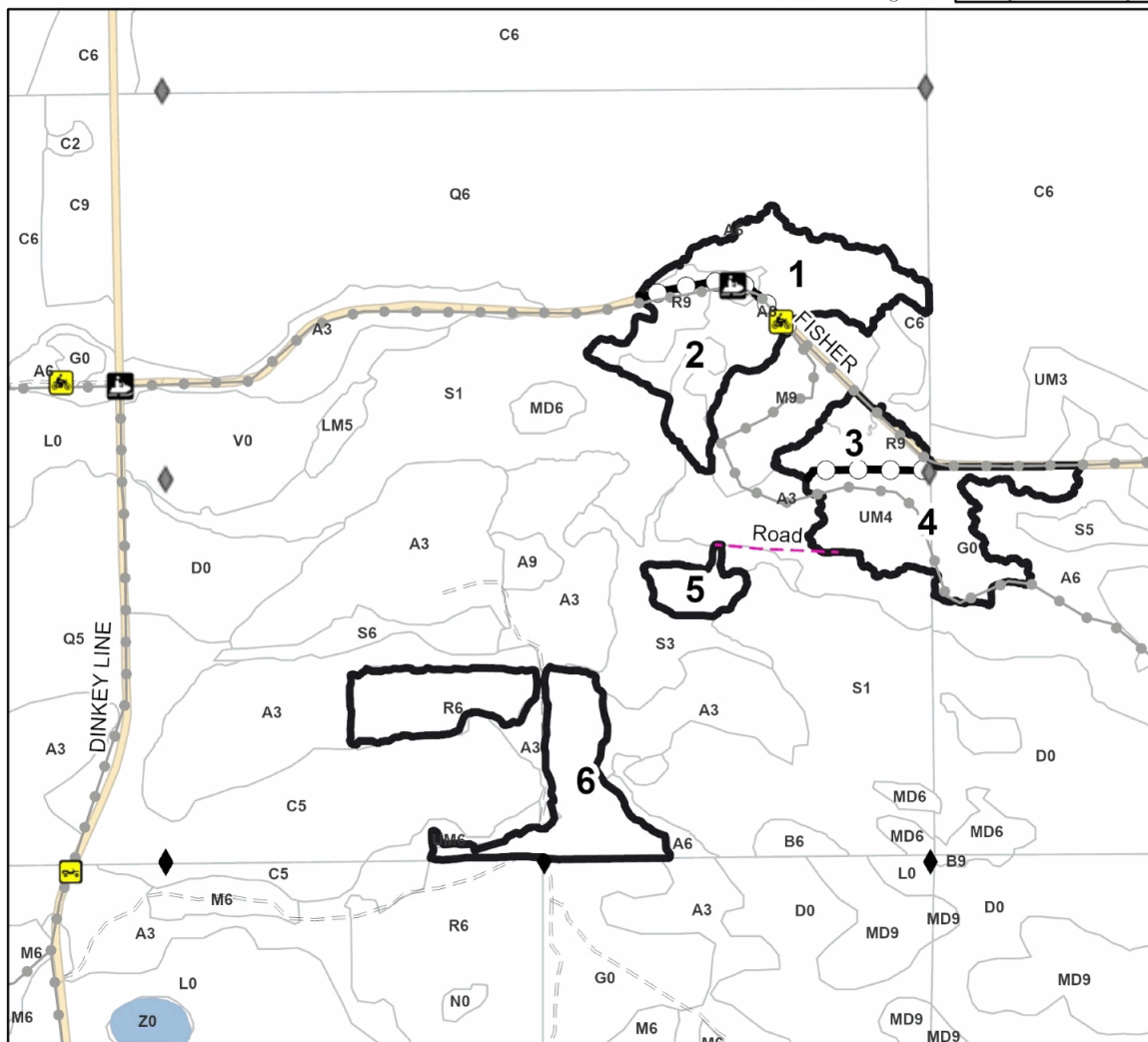
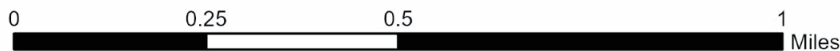
## Locator Map (1:100,000)



PU #	Acres	PU #	Acres
1	17.7	4	22.4
2	18.7	5	4.6
3	7.8	6	28.2

## Conversion Mix

**99.4 Acres**



## Legend

- Against State (Red)
- Payment Unit (Green)
- Stand
- Recreational Trail
- Skid Trail Road
- Forest Access Route
- Non-DNR Road
- Motorcycle (DNR License)
- ORV Route
- Snowmobile
- Field Grade Corner
- Survey Grade Corner

Use QR Code to open Map in App

