



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7512**

**SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on October 21, 2024.**

**LOCATION: GWINN MGMT UNIT, 410 WEST M 35, GWINN, MI 49841.**

**CONTACT NAME: Mike Brodeur**

**PHONE NUMBER: (906) 346-9201**

**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, GWINN MANAGEMENT UNIT, for certain timber on the following described lands:

Snowmobile the Stack (32-016-23) / T44N, R23W, SEC. 5 , NENW.

T45N, R23W, SEC. 28, S1/2SW,S1/2SE.

T45N, R23W, SEC. 29, S1/2SE.

T45N, R23W, SEC. 32, N1/2NE,SENE,E1/2SW,NESE,SWSE.

Marquette County, Advertised Price \$25,190.85, 178.5 Acres, Hardwood, Spruce/Fir/Tamarack.

SALE NOTE: Access from the south is through private and will require road work on private property.

Access may be through private or other public land.

## TIMBER SALE INFORMATION

Snowmobile the Stack (32-016-23)

T44N, R23W, SEC. 5; T45N, R23W, SEC. 28; T45N, R23W, SEC. 29; T45N, R23W, SEC. 32.

Marquette County (Advertised Price \$25,190.85)

SALE NOTE: Access from the south is through private and will require road work on private property.

Access may be through private or other public land.

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		
Black Cherry	3.9 MBF	\$ 18.00 / MBF
Red Maple	189.5 MBF	\$ 42.00 / MBF
Sugar Maple	13.4 MBF	\$ 80.00 / MBF
Yellow Birch	6.1 MBF	\$ 12.00 / MBF
Pulpwood		
Balsam Fir	105 Cords	\$ 4.95 / Cord
Mixed Hardwood	2,240 Cords	\$ 5.55 / Cord
Mixed Spruce	268 Cords	\$ 5.05 / Cord
N. White Cedar	125 Cords	\$ 2.45 / Cord
Quaking Aspen	36 Cords	\$ 10.10 / Cord
Tamarack	45 Cords	\$ 6.20 / Cord
White Pine	51 Cords	\$ 14.95 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 7.97 percent. There are an estimated 3,333 cords on this timber sale, plus or minus 266 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 \$1,259.54 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	8.4%
02	5.2%
03	11.8%
04	14.0%
05	13.1%
06	7.4%
07	16.6%
08	16.3%
09	4.6%
10	2.6%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2027.

### **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.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
263,281	3,333	7.97%	3,067	3,598

## 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	32,830	416	14.76%	354	477
2	42,594	539	17.27%	446	632
3	77,919	986	16.29%	826	1,147
4	40,386	511	22.27%	397	625
5	22,593	286	18.02%	234	338
7	38,397	486	25.89%	360	612
10	8,561	108	26.48%	80	137
<b>TOTAL:</b>	<b>263,281</b>	<b>3,333</b>		<b>2,698</b>	<b>3,968</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	30.5	1	18.9
		2	11.6
		4	22.6
		7	17.8
		8	17.4
2	22.6	9	4.9
		5	30.8
		6	18.5
3	40.1	3	27.8
		10	8.2
<b>TOTAL:</b>	<b>178.5</b>		<b>178.5</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black Cherry	Sawtimber	2.4	MBF	18.9	\$2,111.60
	Red Maple		6.1	MBF		
	Sugar Maple		8.3	MBF		
	Balsam Fir	Pulpwood	7	Cords		
	Mixed Hardwood		197	Cords		
	<i>Black Cherry</i>		23	<i>Cords</i>		
	<i>Red Maple</i>		69	<i>Cords</i>		
	<i>Sugar Maple</i>		105	<i>Cords</i>		
	Mixed Spruce		4	Cords		
	<i>Black Spruce</i>		2	<i>Cords</i>		
	<i>White Spruce</i>		2	<i>Cords</i>		
2	Black Cherry	Sawtimber	1.5	MBF	11.6	\$1,301.00
	Red Maple		3.8	MBF		
	Sugar Maple		5.1	MBF		
	Balsam Fir	Pulpwood	5	Cords		
	Mixed Hardwood		121	Cords		
	<i>Black Cherry</i>		14	<i>Cords</i>		
	<i>Red Maple</i>		42	<i>Cords</i>		
	<i>Sugar Maple</i>		65	<i>Cords</i>		
	Mixed Spruce		2	Cords		
	<i>Black Spruce</i>		1	<i>Cords</i>		
	<i>White Spruce</i>		1	<i>Cords</i>		
3	Red Maple	Sawtimber	6.9	MBF	27.8	\$2,966.10
	Yellow Birch		4.7	MBF		
	Balsam Fir	Pulpwood	26	Cords		
	Mixed Hardwood		397	Cords		
	<i>Red Maple</i>		374	<i>Cords</i>		
	<i>Yellow Birch</i>		23	<i>Cords</i>		
	Mixed Spruce		33	Cords		
	<i>White Spruce</i>		33	<i>Cords</i>		
	Quaking Aspen		12	Cords		
4	Red Maple	Sawtimber	17.4	MBF	22.6	\$3,514.85
	Yellow Birch		1.4	MBF		
	Balsam Fir	Pulpwood	6	Cords		
	Mixed Hardwood		405	Cords		
	<i>Black Ash</i>		22	<i>Cords</i>		
	<i>Red Maple</i>		363	<i>Cords</i>		
	<i>Yellow Birch</i>		20	<i>Cords</i>		
	Mixed Spruce		16	Cords		
	<i>Black Spruce</i>		16	<i>Cords</i>		
	N. White Cedar		68	Cords		
	Quaking Aspen		24	Cords		
5	Red Maple	Sawtimber	19.4	MBF	30.8	\$3,311.65
	Balsam Fir	Pulpwood	20	Cords		
	Mixed Hardwood		382	Cords		
	<i>Red Maple</i>		349	<i>Cords</i>		
	<i>Yellow Birch</i>		33	<i>Cords</i>		
	Mixed Spruce		55	Cords		
	<i>Black Spruce</i>		55	<i>Cords</i>		
6	Balsam Fir	Pulpwood	5	Cords	18.5	\$1,871.35
	Mixed Hardwood		110	Cords		
	<i>Black Ash</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		80	<i>Cords</i>		
	<i>Yellow Birch</i>		28	<i>Cords</i>		
	Mixed Spruce		60	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
6 con't	<i>Black Spruce</i>	<i>Pulpwood</i>	60	<i>Cords</i>		
	N. White Cedar		57	Cords		
	Tamarack		5	Cords		
	White Pine		51	Cords		
7	Red Maple	Sawtimber	60.3	MBF	17.8	\$4,199.75
	Balsam Fir	Pulpwood	16	Cords		
	Mixed Hardwood		257	Cords		
	<i>Red Maple</i>		245	<i>Cords</i>		
	<i>Sugar Maple</i>		12	<i>Cords</i>		
	Mixed Spruce		32	Cords		
	<i>White Spruce</i>		32	<i>Cords</i>		
8	Red Maple	Sawtimber	59.0	MBF	17.4	\$4,112.45
	Balsam Fir	Pulpwood	15	Cords		
	Mixed Hardwood		252	Cords		
	<i>Red Maple</i>		240	<i>Cords</i>		
	<i>Sugar Maple</i>		12	<i>Cords</i>		
	Mixed Spruce		32	Cords		
	<i>White Spruce</i>		32	<i>Cords</i>		
9	Red Maple	Sawtimber	16.6	MBF	4.9	\$1,156.50
	Balsam Fir	Pulpwood	4	Cords		
	Mixed Hardwood		71	Cords		
	<i>Red Maple</i>		68	<i>Cords</i>		
	<i>Sugar Maple</i>		3	<i>Cords</i>		
	Mixed Spruce		9	Cords		
	<i>White Spruce</i>		9	<i>Cords</i>		
10	Balsam Fir	Pulpwood	1	Cords	8.2	\$645.60
	Mixed Hardwood		48	Cords		
	<i>Red Maple</i>		48	<i>Cords</i>		
	Mixed Spruce		25	Cords		
	<i>Black Spruce</i>		25	<i>Cords</i>		
	Tamarack		40	Cords		
TOTAL:			212.9	MBF		
TOTAL:			2,870	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Snowmobile the Stack**

**Sale Number: 32-016-23 Seq#: 3**

### **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 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, with the exception of Payments Units 6 & 7 and 8 & 10, which are marked with red paint. 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 and if designated for cutting in both Payment Units.

### **2 - Timber Specifications**

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

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

Within Payment Unit(s) 4, 6 & 10, cut all trees that are two (2) inches or more at DBH, with the following exceptions:

- Within Payment Unit 4, do not cut white pine or hemlock.
- Within Payment Unit 6, do not cut hemlock or white pine 24 inches diameter or larger at the stump.
- Within Payment Unit 10, do not cut hemlock, cedar, white pine, paper birch or yellow birch.

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

Within Payment Unit(s) 7-9, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within Payment Units 8 & 9, cut all spruce and fir which meet minimum piece specifications in 2.2 Utilization.

##### **2.1.7 - Leave tree marked unit(s) (6/14)**

Within Payment Unit(s) 1-3 & 5, cut all trees that are two (2) inches or more at DBH, with the following exceptions:

- Within Payment Unit 1, do not cut cedar, hemlock, red pine, yellow birch, white pine, or trees marked with green paint above and below stump height.
- Within Payment Units 2, 3 & 5, do not cut cedar, hemlock, white pine, or trees marked with green paint above and below stump height.

### **3 - Payments**

#### **3.4 - Damaged Timber**

##### **3.4.1 - Damaged timber (7/16)**

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings.

No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

### **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 (4/24)

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. Contact the Sale Administrator for specific details of design and placement.

### 4.2 - Maintenance

#### 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. Depending on the time of year, multiple areas may require fill material for access across the Sale Area. Contact the Sale Administrator regarding the availability of onsite sand or gravel from adjacent State-owned lands.

#### 4.2.3 - Road maintenance (8/13)

The following road maintenance may be needed: Within 60 days of completion of hauling, or if no hauling occurs for 60 days, the road must be maintained and graded. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. Damages will be assessed if grading/repair does not occur.

#### 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

### 5.1 - Notification

#### 5.1.1 - Pre-sale conference (10/16)

A pre-sale conference between the Purchaser and sale administrator is required prior to beginning any operations. The Unit Manager or his/her representative must be contacted at least 3 business days in advance to schedule the conference.

### 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) 1-10, unless changed by written agreement, cutting, skidding, and hauling are limited to frozen conditions. This restriction is due to wet soils and winter roads.

##### 5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1, 2 and 7-9, 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.

#### 5.2.32 - 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.

#### 5.4.2 - Skid trails (2/04)

Skid trails up and down slopes should be avoided. If however this is unavoidable, these trails will be left in a non-erodible condition using water bars, logs, and slash. Placing of slash on these skid trails while logging is ongoing may alleviate need for any further action. At the direction of the sale administrator, seed, fertilizer, and mulch may also be required.

#### 5.4.3 - Erosion control (12/08)

Skid trails or haul roads may require erosion control structures or berms per direction of the Unit Manager or his/her representative.

#### 5.4.6 - Wet area protection (5/10)

No harvesting operations, including skidding and felling, are to take place within designated retention areas between Payment Units 5 & 6. Care must be taken by the Purchaser to identify and avoid operating in these areas of the timber sale.

### 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 the Stack Grade 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

### 7.5 - Loss

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

The sale area has received damage from spruce budworm. 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  
**32-016-23**Date  
**09/28/2023**

Forest Management Unit

County

Mapped By: Gabler

Scale

Page

Of

Gwinn Mgt Unit

Marquette

Cruised By: Gould

1:15,840

1

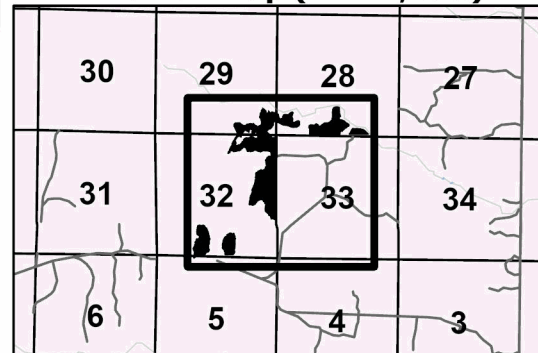
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Township  
44N / 45NRange  
23WSection(s) and NENW;  
Subdivision(s) Sec. 28 S1/2SW,S1/2SE; Sec. 29 S1/2SE; Sec. 32 N1/2NE,SENE,E1/2SW,NESE,SWSE; Sec. 5**Cover Type**

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**

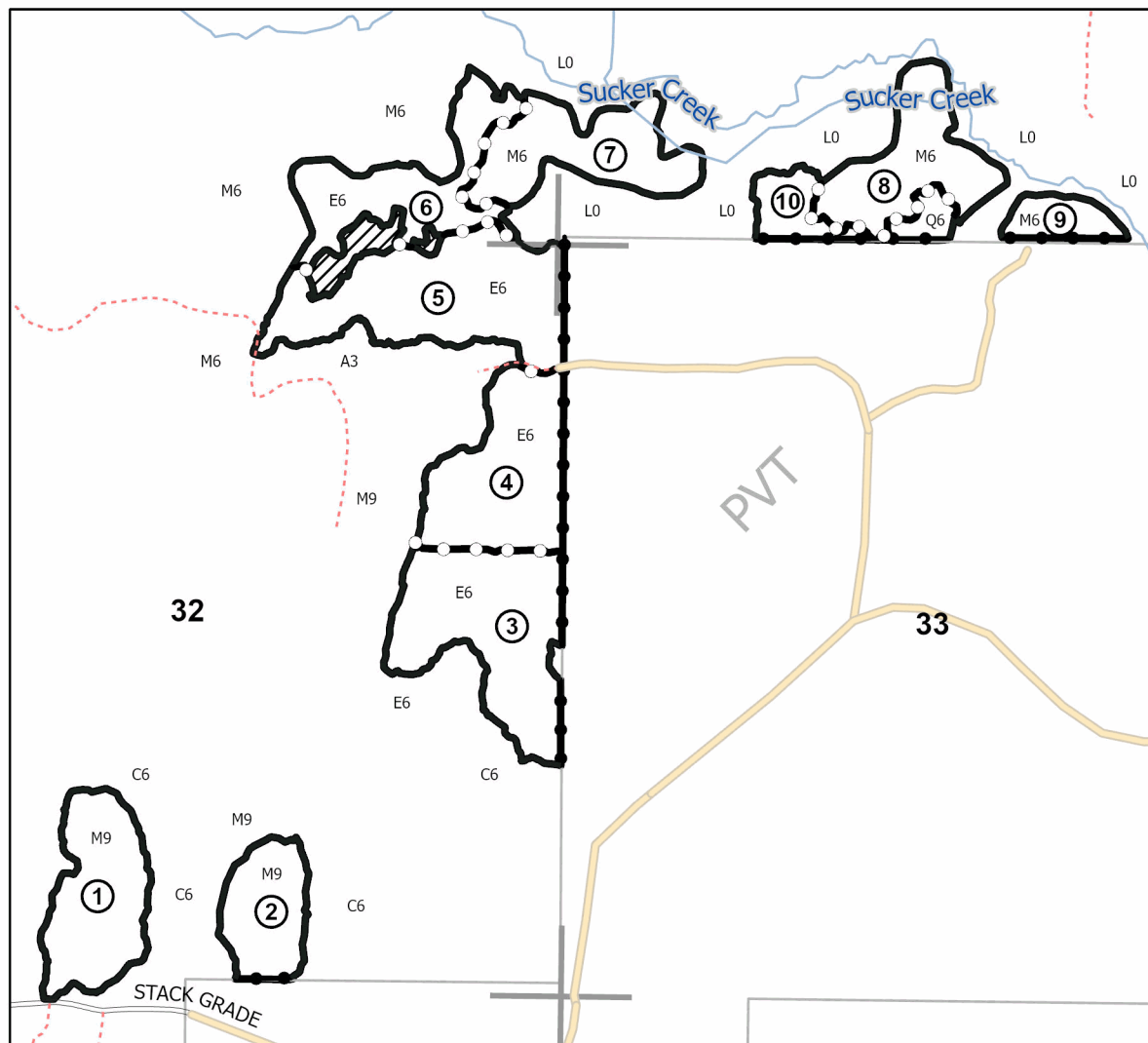
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

**Locator Map (1:100,000)**

PU #	Acres	PU #	Acres
1	18.9	6	18.5
2	11.6	7	17.8
3	27.8	8	17.4
4	22.6	9	4.9
5	30.8	10	8.2

**Snowmobile the Stack****178.5 Acres**

0 0.25 0.5 1 Miles

**Legend**

- Against State (Red)
- Payment Unit (Yellow/Red)
- Private Line (Blue)
- MIRIS Section Corner
- Perennial River
- /// Retention (No Cut)
- Primary Forest Road
- Secondary Forest Road
- Forest Access Route
- Administrative Access Only
- Non-DNR Road

Use QR Code to open Map in App

