



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7309**

SCHEDULED SALE DATE AND TIME: **2:00 p.m. (local time) on May 6, 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:

Hemmings Lake Pine (32-017-23) / T45N, R26W, SEC. 7 , NE.

T45N, R27W, SEC. 1 , NENW,S1/2NW,E1/2NE,SW,SE.

T45N, R27W, SEC. 12, N1/2NE,SWNE.

Marquette County, Advertised Price \$146,966.70, 259.9 Acres, Aspen, Red Pine.

# TIMBER SALE INFORMATION

Hemmings Lake Pine (32-017-23)

T45N, R26W, SEC. 7; T45N, R27W, SEC. 1; T45N, R27W, SEC. 12.

Marquette County (Advertised Price \$146,966.70)

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>
Pulpwood		
Balsam Fir	12 Cords	\$ 14.05 / Cord
Jack Pine	187 Cords	\$ 37.10 / Cord
Mixed Aspen	482 Cords	\$ 26.95 / Cord
Mixed Hardwood	50 Cords	\$ 15.95 / Cord
Mixed Spruce	99 Cords	\$ 17.30 / Cord
Red Pine	1,992 Cords	\$ 60.30 / Cord
Tamarack	209 Cords	\$ 20.30 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 11.99 percent. There are an estimated 2,994 cords on this timber sale, plus or minus 359 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 \$7,348.34 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	11.4%
02	10.9%
03	8.5%
04	11.0%
05	1.4%
06	6.6%
07	1.7%
08	5.2%
09	8.7%
10	8.3%
11	10.7%
12	5.5%
13	6.0%
14	4.1%

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
236,534	2,994	11.99%	2,635	3,353

## 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	7,324	93	69.55%	28	157
2	123,526	1,564	14.01%	1,345	1,783
3	51,807	656	20.18%	523	788
4	30,087	381	27.31%	277	485
50	23,790	301	49.97%	151	452
<b>TOTAL:</b>	<b>236,534</b>	<b>2,994</b>		<b>2,324</b>	<b>3,664</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	6.9	5	6.9
2	134.4	1	26.2
		2	24.8
		3	19.3
		4	24.9
		6	15.0
		11	24.2
3	49.3	8	11.6
		9	19.2
		10	18.5
4	58.9	6	0.1
		7	7.5
		12	24.4
		13	26.9
50	10.4	14	10.4
<b>TOTAL:</b>	<b>259.9</b>		<b>259.9</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Balsam Fir	Pulpwood	3	Cords	26.2	\$17,036.70
	Jack Pine		11	Cords		
	Mixed Aspen		37	Cords		
	<i>Quaking Aspen</i>		37	<i>Cords</i>		
	Mixed Hardwood		2	Cords		
	<i>Red Maple</i>		2	<i>Cords</i>		
	Red Pine		258	Cords		
2	Balsam Fir	Pulpwood	2	Cords	24.8	\$16,060.40
	Jack Pine		10	Cords		
	Mixed Aspen		35	Cords		
	<i>Quaking Aspen</i>		35	<i>Cords</i>		
	Mixed Hardwood		3	Cords		
	<i>Black Cherry</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		2	<i>Cords</i>		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	<i>Cords</i>		
	Red Pine		243	Cords		
3	Balsam Fir	Pulpwood	2	Cords	19.3	\$12,482.50
	Jack Pine		8	Cords		
	Mixed Aspen		27	Cords		
	<i>Quaking Aspen</i>		27	<i>Cords</i>		
	Mixed Hardwood		1	Cords		
	<i>Red Maple</i>		1	<i>Cords</i>		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	<i>Cords</i>		
	Red Pine		189	Cords		
4	Balsam Fir	Pulpwood	2	Cords	24.9	\$16,120.70
	Jack Pine		10	Cords		
	Mixed Aspen		35	Cords		
	<i>Quaking Aspen</i>		35	<i>Cords</i>		
	Mixed Hardwood		3	Cords		
	<i>Black Cherry</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		2	<i>Cords</i>		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	<i>Cords</i>		
	Red Pine		244	Cords		
5	Jack Pine	Pulpwood	20	Cords	6.9	\$2,004.90
	Mixed Spruce		73	Cords		
	<i>Black Spruce</i>		73	<i>Cords</i>		
6	Balsam Fir	Pulpwood	1	Cords	15.1	\$9,682.65
	Jack Pine		6	Cords		
	Mixed Aspen		21	Cords		
	<i>Quaking Aspen</i>		21	<i>Cords</i>		
	Mixed Hardwood		1	Cords		
	<i>Red Maple</i>		1	<i>Cords</i>		
Red Pine	147	Cords				
7	Jack Pine	Pulpwood	5	Cords	7.5	\$2,471.85
	Mixed Aspen		11	Cords		
	<i>Quaking Aspen</i>		11	<i>Cords</i>		
	Red Pine		33	Cords		
8	Jack Pine	Pulpwood	17	Cords	11.6	\$7,645.05
	Mixed Aspen		41	Cords		
	<i>Quaking Aspen</i>		41	<i>Cords</i>		
	Red Pine		98	Cords		
9	Jack Pine	Pulpwood	30	Cords	19.2	\$12,768.10

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
9 con't	Mixed Aspen	Pulpwood	70	Cords		
	<i>Quaking Aspen</i>		70	<i>Cords</i>		
	Red Pine		162	Cords		
10	Jack Pine	Pulpwood	27	Cords	18.5	\$12,187.20
	Mixed Aspen		66	Cords		
	<i>Quaking Aspen</i>		66	<i>Cords</i>		
	Red Pine		156	Cords		
11	Balsam Fir	Pulpwood	2	Cords	24.2	\$15,671.65
	Jack Pine		10	Cords		
	Mixed Aspen		34	Cords		
	<i>Quaking Aspen</i>		34	<i>Cords</i>		
	Mixed Hardwood		3	Cords		
	<i>Black Cherry</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		2	<i>Cords</i>		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	<i>Cords</i>		
	Red Pine		237	Cords		
12	Jack Pine	Pulpwood	16	Cords	24.4	\$8,015.90
	Mixed Aspen		36	Cords		
	<i>Quaking Aspen</i>		36	<i>Cords</i>		
	Red Pine		107	Cords		
13	Jack Pine	Pulpwood	17	Cords	26.9	\$8,797.15
	Mixed Aspen		39	Cords		
	<i>Quaking Aspen</i>		39	<i>Cords</i>		
	Red Pine		118	Cords		
14	Mixed Aspen	Pulpwood	30	Cords	10.4	\$6,021.95
	<i>Quaking Aspen</i>		30	<i>Cords</i>		
	Mixed Hardwood		37	Cords		
	<i>Paper Birch</i>		37	<i>Cords</i>		
	Mixed Spruce		22	Cords		
	<i>Black Spruce</i>		22	<i>Cords</i>		
Tamarack	209	Cords				
TOTAL:			3,031	Cords		

## Sale Specific Conditions & Requirements

Sale Name: Hemmings Lake Pine

Sale Number: 32-017-23 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 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. 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 all adjoining Payment Units.

### 2 - Timber Specifications

#### 2.1 - Included Timber

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

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

Within Payment Unit(s) 14, cut all trees that are 2 inches or more at DBH, do not cut hemlock and cedar.

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

Within Payment Unit(s) 1-4 and 6-13, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, cut all merchantable aspen.

#### 2.2 - Utilization

##### 2.2.3 - Stump heights (4/07)

Stump heights within Payment Unit(s) 1-4 and 6-13 shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches DBH. This is in order to facilitate planting operations.

### 3 - Payments

#### 3.3 - Pre-measured Sales

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

Payment Unit(s) valued at over \$40,000 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.

### 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.

##### 4.1.4 - Timber removed for construction (3/23)

Trees cut or damaged in the process of pre-approved road, landing or skid trail construction will be decked in an area separate from other Designated Timber and not removed until measured by the sale administrator. Payment will be made at contract prices or average prices, if not on the contract.

##### 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. 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: 200 cubic yards of gravel must be added to state forest roads. Contact the sale administrator for specifics on where to place the gravel.

### 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 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.

## 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

#### 5.2.1 - Slash

##### 5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation, the Sale Area shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. Stumps shall be cut low to the ground. Processing sites shall not be left with a compacted layer of slash; tops from these sites shall be hauled back into the cut area and scattered.

#### 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 and 14, unless changed by written agreement, cutting, skidding, and hauling are limited to the period of 12/15 to 4/1. This restriction is due to wet 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.

#### 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.

### 5.8 - 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 Hemmings Lake Rd and County Road 565 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

### 7.3 - Contract Modifications

#### 7.3.3 - Modification for reforestation (8/05)

When contractual work of Purchaser has been accepted for any Payment Unit identified on Sale Area Map, Payment Unit will be eliminated from the Sale Area on written notice so that reforestation operations can begin.

### 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 <b>32-017-23</b>	Date <b>09/28/2023</b>	
Scale <b>1:20,000</b>	Page <b>1</b>	Of <b>1</b>

Forest Management Unit <b>Gwinn Mgt Unit</b>	County <b>Marquette</b>	Mapped By: <b>Christian Gabler</b>
		Cruised By: <b>Gwinn Mgt Unit</b>

Township <b>45N</b>	Range <b>26W /</b>	Section(s) and Subdivision(s) <b>Sec. 1 NENW,S1/2NW,E1/2NE,SW,SE; Sec. 12 N1/2NE,SWNE; Sec. 7 NE;</b>
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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		

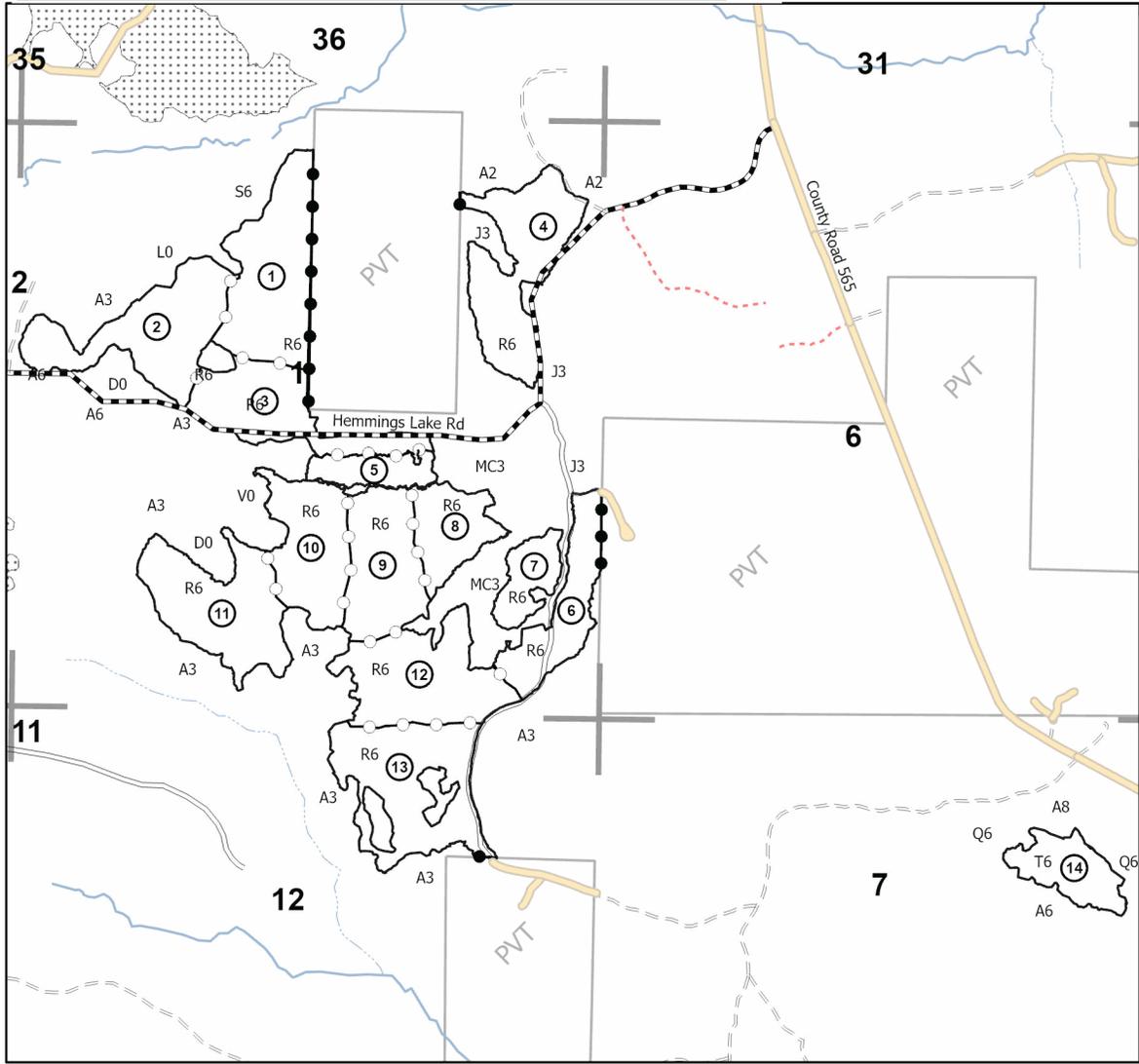
Density	
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

PU #	Acres	PU #	Acres	PU #	Acres
1	26.2	6	15	11	24.2
2	24.7	7	7.5	12	24.5
3	19.3	8	11.6	13	26.9
4	24.9	9	19.2	14	10.4
5	6.9	10	18.5		

# Hemmings Lake Pine

## 259.9 Acres

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



### Legend

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- ▨ Nearby Timber Sale
- MIRIS Section Corner
- Intermittent Stream
- Perennial River
- Primary Forest Road
- Secondary Forest Road
- Forest Access Route
- Administrative Access Only
- Non-DNR Road

Use QR Code to open Map in App

