



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7073**

**SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on August 16, 2022.**

**LOCATION: ATLANTA MGMT UNIT, 13501 M 33, ATLANTA, MI 49709.**

**CONTACT NAME: Cody Stevens**

**PHONE NUMBER: (989) 785-4251**

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

Corner in the Swamp Mix (54-029-21) / T33N, R02E, SEC. 16, N1/2NW.

T33N, R02E, SEC. 8 , S1/2NW,N1/2SW.

T33N, R02E, SEC. 9 , SENW,SWNE,NWSW,S1/2SW,SE.

Presque Isle County, Advertised Price \$370,488.60, 174.1 Acres, Aspen, White Pine.

**SALE NOTE:** All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

## TIMBER SALE INFORMATION

Corner in the Swamp Mix (54-029-21)  
T33N, R02E, SEC. 16; T33N, R02E, SEC. 8; T33N, R02E, SEC. 9.  
Presque Isle County (Advertised Price \$370,488.60)

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

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		
Mixed Aspen	128.1 MBF	\$ 112.00 / MBF
N. White Cedar	6.8 MBF	\$ 41.00 / MBF
Paper Birch	8.7 MBF	\$ 47.00 / MBF
Red Maple	74.3 MBF	\$ 57.00 / MBF
Red Oak	203.8 MBF	\$ 189.00 / MBF
Red Pine	931.1 MBF	\$ 151.00 / MBF
White Pine	881.9 MBF	\$ 79.00 / MBF
Pulpwood		
Balsam Fir	288 Cords	\$ 19.80 / Cord
Mixed Aspen	1,807 Cords	\$ 30.40 / Cord
Mixed Hardwood	1,002 Cords	\$ 23.70 / Cord
N. White Cedar	79 Cords	\$ 20.40 / Cord
Red Pine	194 Cords	\$ 53.50 / Cord
White Pine	308 Cords	\$ 18.95 / Cord
White Spruce	24 Cords	\$ 9.35 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 5.94 percent. There are an estimated 8,739 cords on this timber sale, plus or minus 520 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 \$18,524.43 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	10.7%
03	16.6%
04	10.4%
05	17.5%
06	21.8%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2024.

### **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
690,391	8,739	5.94%	8,220	9,259

## 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
11	92,434	1,170	16.75%	974	1,366
15	58,518	741	14.89%	630	851
42	21,480	272	9.44%	246	298
47	260,165	3,293	9.28%	2,988	3,599
50	26,796	339	12.50%	297	382
51	184,678	2,338	14.18%	2,006	2,669
52	18,829	238	40.00%	143	334
80	27,492	348	19.61%	280	416
<b>TOTAL:</b>	<b>690,391</b>	<b>8,739</b>		<b>7,564</b>	<b>9,914</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
11	14.0	1	14.0
15	9.3	1	9.3
42	7.2	4	7.2
47	78.2	4	18.9
		5	35.4
		6	23.9
50	6.3	2	1.5
		3	4.8
51	43.2	2	5.7
		3	19.4
		5	2.8
		6	15.3
52	6.3	2	6.3
80	9.6	2	9.6
<b>TOTAL:</b>	<b>174.1</b>		<b>174.1</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	23.9	MBF	23.3	\$85,002.85
	<i>B. T. Aspen</i>		23.9	<i>MBF</i>		
	N. White Cedar		6.8	MBF		
	Paper Birch		8.7	MBF		
	Red Maple		11.0	MBF		
	Red Oak		4.8	MBF		
	Red Pine		286.0	MBF		
	White Pine		308.8	MBF		
	Balsam Fir	Pulpwood	187	Cords		
	Mixed Aspen		16	Cords		
	<i>B. T. Aspen</i>		16	<i>Cords</i>		
	Mixed Hardwood		103	Cords		
	<i>Paper Birch</i>		17	<i>Cords</i>		
	<i>Red Maple</i>		79	<i>Cords</i>		
	<i>Red Oak</i>		7	<i>Cords</i>		
	N. White Cedar		46	Cords		
	Red Pine		71	Cords		
	White Pine		61	Cords		
2	Mixed Aspen	Sawtimber	31.9	MBF	23.1	\$39,762.45
	<i>B. T. Aspen</i>		31.9	<i>MBF</i>		
	Red Maple		9.1	MBF		
	Red Oak		1.9	MBF		
	Red Pine	Pulpwood	100.1	MBF		
	White Pine		82.6	MBF		
	Balsam Fir		44	Cords		
	Mixed Aspen		310	Cords		
	<i>B. T. Aspen</i>		310	<i>Cords</i>		
	Mixed Hardwood		76	Cords		
	<i>Red Maple</i>		67	<i>Cords</i>		
	<i>Red Oak</i>		9	<i>Cords</i>		
	Red Pine		22	Cords		
	White Pine		21	Cords		
3	Red Maple	Sawtimber	13.9	MBF	24.2	\$61,365.00
	Red Oak		6.5	MBF		
	Red Pine		227.1	MBF		
	White Pine	Pulpwood	171.0	MBF		
	Balsam Fir		16	Cords		
	Mixed Aspen		234	Cords		
	<i>B. T. Aspen</i>		234	<i>Cords</i>		
	Mixed Hardwood		60	Cords		
	<i>Red Maple</i>		29	<i>Cords</i>		
	<i>Red Oak</i>		31	<i>Cords</i>		
	Red Pine		34	Cords		
	White Pine		46	Cords		
4	Mixed Aspen	Sawtimber	22.0	MBF	26.1	\$38,646.50
	<i>B. T. Aspen</i>		16.7	<i>MBF</i>		
	<i>Quaking Aspen</i>		5.3	<i>MBF</i>		
	Red Maple	Pulpwood	9.8	MBF		
	Red Oak		44.6	MBF		
	Red Pine		32.2	MBF		
	White Pine		54.2	MBF		
	Balsam Fir		32	Cords		
	Mixed Aspen		363	Cords		
	<i>B. T. Aspen</i>		290	<i>Cords</i>		
	<i>Quaking Aspen</i>		73	<i>Cords</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE				
4 con't	Mixed Hardwood	Pulpwood	208	Cords						
	<i>Paper Birch</i>		6	<i>Cords</i>						
	<i>Red Maple</i>		156	<i>Cords</i>						
	<i>Red Oak</i>		46	<i>Cords</i>						
	N. White Cedar		8	Cords						
	Red Pine		11	Cords						
	White Pine		34	Cords						
	White Spruce		6	Cords						
5	Mixed Aspen	Sawtimber	30.0	MBF	38.2	\$64,837.35				
	<i>B. T. Aspen</i>		20.1	<i>MBF</i>						
	<i>Quaking Aspen</i>		9.9	<i>MBF</i>						
	Red Maple	12.5	MBF							
	Red Oak	84.5	MBF							
	Red Pine	76.8	MBF							
	White Pine	91.2	MBF							
	Balsam Fir	Pulpwood	3	Cords						
	Mixed Aspen		519	Cords						
	<i>B. T. Aspen</i>		505	<i>Cords</i>						
	<i>Quaking Aspen</i>		14	<i>Cords</i>						
	Mixed Hardwood		314	Cords						
	<i>Red Maple</i>		226	<i>Cords</i>						
	<i>Red Oak</i>		88	<i>Cords</i>						
	N. White Cedar		15	Cords						
	Red Pine		19	Cords						
	White Pine		68	Cords						
	White Spruce		11	Cords						
	6		Mixed Aspen	Sawtimber			20.3	MBF	39.2	\$80,874.45
			<i>B. T. Aspen</i>				13.6	<i>MBF</i>		
<i>Quaking Aspen</i>			6.7		<i>MBF</i>					
Red Maple			18.0	MBF						
Red Oak			61.5	MBF						
Red Pine			208.9	MBF						
White Pine		174.1	MBF							
Balsam Fir		Pulpwood	6	Cords						
Mixed Aspen			365	Cords						
<i>B. T. Aspen</i>			356	<i>Cords</i>						
<i>Quaking Aspen</i>			9	<i>Cords</i>						
Mixed Hardwood			241	Cords						
<i>Red Maple</i>			172	<i>Cords</i>						
<i>Red Oak</i>			69	<i>Cords</i>						
N. White Cedar			10	Cords						
Red Pine			37	Cords						
White Pine			78	Cords						
White Spruce			7	Cords						
TOTAL:			2,234.7	MBF						
TOTAL:			3,702	Cords						

## **Sale Specific Conditions & Requirements**

**Sale Name: Corner in the Swamp Mix**

**Sale Number: 54-029-21 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 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 except for the western edge of Payment Unit 1, which is unpainted and follows M-33 as shown on the Timber Sale Map. Interior Payment Unit boundaries are marked with yellow paint. 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, cut all trees that are two (2) inches or more at DBH.

Note: See spec 5.2.4.7 - 'Dead and down creation' for instructions on orange marked trees.

#### **2.2 - Utilization**

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

Stump heights within Payment Units 1-3 & 6 shall not exceed 6 inches for all trees. This is to facilitate future silvicultural activities. A written waiver of this requirement may be obtained if wet summer weather makes winter logging necessary.

##### **2.2.6 - Roundwood operation required (3/21)**

The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Unit 1. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length. Trees must be harvested with in-woods processor (feller bunching harvester will not be allowed to protect the sensitive soils around the stream.

### **3 - Payments**

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

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

Payment Unit(s) 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. Payment Units valued over \$25,000 may be divided. There will be only one division per Payment Unit.

#### **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.

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 chipped, utilized, or otherwise removed from the sale.

#### 4.1.6 - Road construction (1/09)

Construction 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. These roads must be rendered impassable to cars and trucks. Contact the sale administrator for specific details of design and placement.

### 4.2 - Maintenance

#### 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.

### 4.3 - Public Right-of-Way

#### 4.3.2 - County R-O-W (12/06)

The county must be contacted prior to harvesting in the county road R-O-W. This applies to Payment Unit 1 and M-33 for a driveway permit.

## 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 to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 5 days in advance to schedule the conference.

#### 5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 5 days prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract specifications.

### 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

##### 5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 1-6, unless changed by written agreement, cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. Operations may be allowed if specific steps are taken to prevent damaging uncut oak during the high risk period. Those steps may include completing all road brushing before April 15th and clearing a tree-length buffer along uncut oak cover before April 15th. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

##### 5.2.3.6 - Bark beetle restriction (12/08)

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4

mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

#### 5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in Payment Units 2-6 must be completed within 60 days of severing/cutting stem(s) to minimize damage to deciduous regeneration. Any post-harvest operations, such as chipping, must be completed before sprouting of regeneration occurs. If it is anticipated that chipping will be delayed, then tops shall be carried to one central location or left unchipped. The Unit Manager or his/her representative may cease such operations if sprouting occurs before the operation is complete.

#### 5.2.4 - Dead and Down Creation

##### 5.2.4.7 - Dead and down creation: hare, grouse, deer and other species (5/15)

To improve horizontal cover habitat for snowshoe hare, grouse, deer, and other species, the Purchaser is to push over trees marked with orange paint once the Payment Unit is cut. These trees should be tipped over with the root ball still attached so the base of the tree is suspended off the ground. The crown of the fallen tree should be at or near ground level after it is pushed over. Trees that are too large to be pushed over may be hinged or partially severed to be able push them over.

#### 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. Approximately 160 feet of road or trail will need extra protection at locations shown on the Timber Sale Map. 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. All EGLE BMPs shall be followed. Any activity except for the crossing is prohibited within 100 feet of the stream. Permits for the crossing shall be obtained by the state.

#### 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.

**TIMBER SALE MAP**

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

Sale Number	Year
54 - 029	21

Forest Management Unit	County	Mapped By	Date	Page	of
Atlanta Management Unit	Presque Isle	Fenton	11/12/2021	1	2
		Cruised By			
		Fenton & Michaud			

Township	Range	Section(s) and Subdivision(s)	Scale
33N	02E	08-S1/2NW,N1/2SW 09-SENW,SWNE,NWSW,S1/2SW,SE 16-N1/2NW	1:7,920

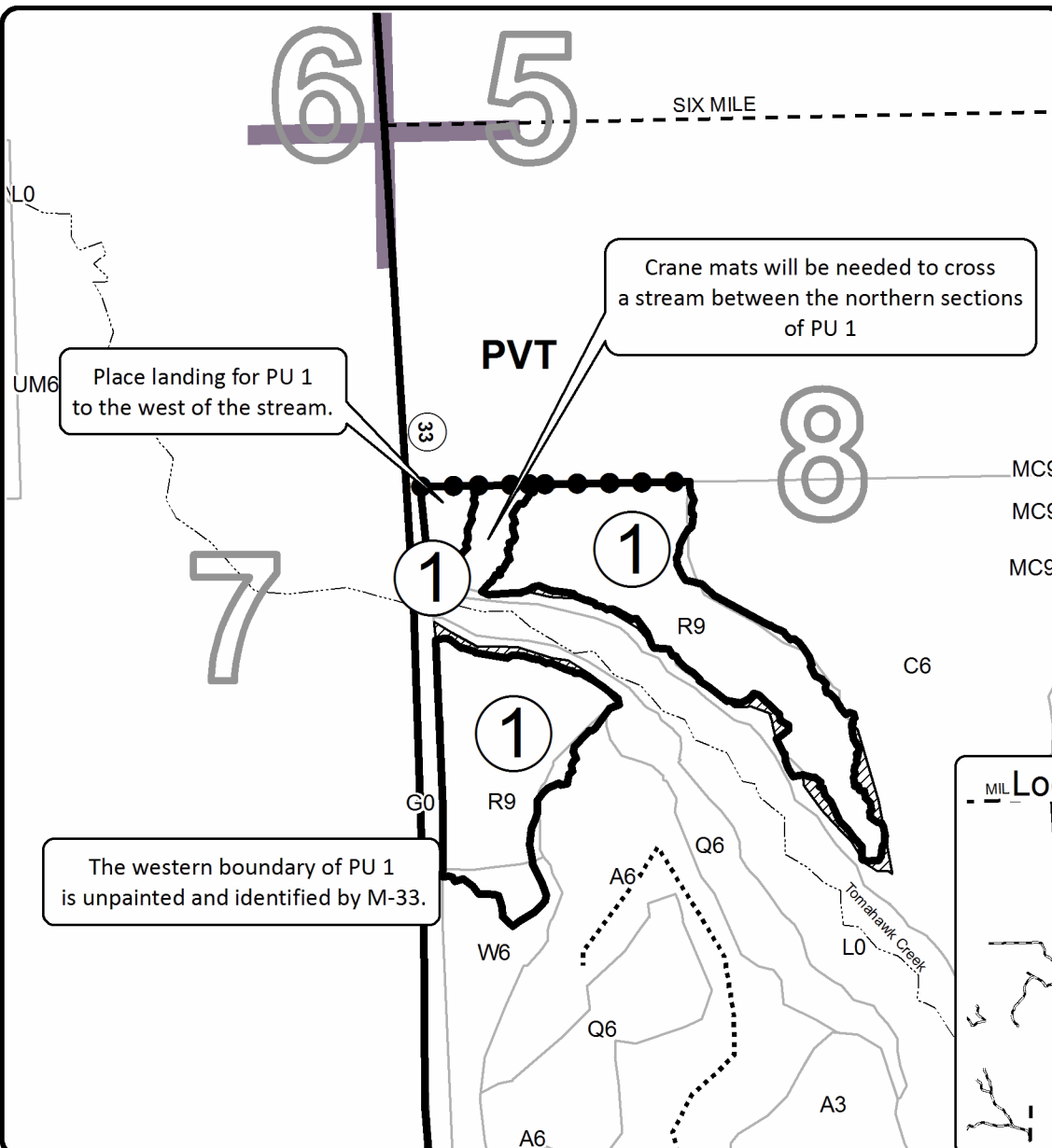
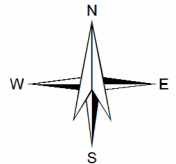
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water		
G = Grass	MD = Mixed Deciduous	T = Tamarack			

PU	Acres	PU	Acres
1	23.3	5	38.2
2	23.1	6	39.2
3	24.2		
4	26.1		

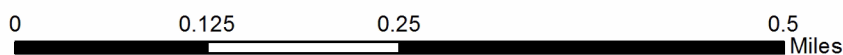
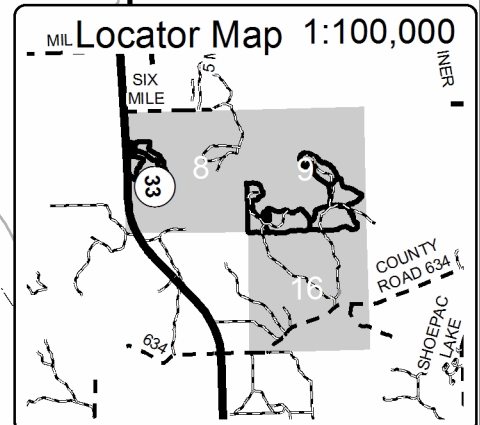
## Corner in the Swamp Mix

### Compartment 117

174.1 Acres

**Legend**

- Against State (Red)
- Private Line (Blue)
- ▨ Retention Area (Red)
- Stand Boundaries
- Payment Unit
- Highway
- - Gravel Road
- ... Temporary Access
- Perennial River
- Section Corner



## TIMBER SALE MAP

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

Forest Management Unit	County	Mapped By Fenton	Date	Page	of
Atlanta Management Unit	Presque Isle	Cruised By Fenton & Michaud	11/12/2021	2	2

Township	Range	Section(s) and Subdivision(s)	Scale
33N	02E	08-S1/2NW,N1/2SW 09-SENW,SWNE,NWSW,S1/2SW,SE 16-N1/2NW	1:15,840

### 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

PU	Acres	PU	Acres
1	23.3	5	38.2
2	23.1	6	39.2
3	24.2		
4	26.1		

# Corner in the Swamp Mix

Compartment 117  
174.1 Acres

