



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #7044

REVISION NOTICE #1 - May 6, 2022

SCHEDULED SALE DATE AND TIME: 1:00 p.m. (local time) on Monday, May 16, 2022

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

This prospectus has been modified with the following changes.

The sale conditions for the Mars Maple Landing timber sale (32-004-21) have been updated. Please use the attached sale conditions when bidding on this sale and disregard the original sale conditions sent with the prospectus. Specification 5.2.3.1 had language added to restrict Payment Units 11-15 and 17 to frozen conditions.

Revised Sale Condition 5.2.3.1 - Operating restrictions: Within Payment Unit(s) 11-15 and 17, unless changed by written agreement, cutting, skidding, and hauling are limited to frozen winter conditions. This restriction is because of wet access and wet payment units.

We apologize for any inconvenience this may have caused. If you need assistance, please contact Kristen Matson at 906-346-9201 ext. 103.

Sale Specific Conditions & Requirements

Sale Name: Mars Maple Landing

Sale Number: 32-004-21

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 property 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.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 11-17, cut all trees that are two (2) inches or more at DBH except Payment Unit(s) 11, leave hemlock, cedar, and yellow birch unless they are marked with orange paint.

Payment Unit(s) 12 and 14, leave hemlock, cedar, and yellow birch.

Payment Unit(s) 13 and 15, leave hemlock, cedar, yellow birch that are greater than 24" stump diameter, and any trees marked in green paint.

Payment Unit(s) 16 and 17, leave hemlock, cedar, white pine and any trees marked with green paint.

2.1.2 - Clearcut unit(s) w/o unmerchantable trees (8/11)

Within Payment Unit(s) 9-10, cut all trees which meet minimum piece specifications in 2.2 Utilization except Payment Unit(s) 9-10, leave black cherry, hemlock, cedar, yellow birch and any beech resistant to beech bark disease that is greater than 24" stump diameter.

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

Within Payment Unit(s) 1-8, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

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.

Within the sale area, if more than 10% of the tree seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the sale area are damaged, liquidated damages will be assessed at \$200 per acre for all acreage within that specified portion of the sale area that was damaged.

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.

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 scattered, and not left in windrows, and kept a minimum of 10 feet back from the road edge.

4.1.4 - Timber removed for construction (12/09)

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 the specified Purchase Unit Price.

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: 300 yards of gravel will be spread in holes on state forest roads. Contact the sale administrator for the specifics on where to put 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. Contact the sale administrator regarding the availability of onsite sand or gravel 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 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 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) 11-15 and 17, unless changed by written agreement, cutting, skidding, and hauling are limited to frozen winter conditions. This restriction is because of wet access and wet payment units.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1-8, 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.

5.2.17 - 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. 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.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s)

7-10, and 16, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because of wet road access or wet payment units.

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 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.

5.8 - 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 Ladoga 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.

7 - Other Conditions**7.5 - Loss****7.5.1 - Deteriorating timber (7/09)**

The sale area has received damage from Spruce Budworm and Emerald Ash Borer. 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.



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7044**

SCHEDULED SALE DATE AND TIME: 1:00 p.m. (local time) on May 16, 2022.

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

CONTACT NAME: Kristen Matson

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:

Horseshoe Hideaway (32-021-21) / T47N, R23W, SEC. 27, SWSE.

T47N, R23W, SEC. 28, SWSE.

T47N, R23W, SEC. 33, N1/2NE.

T47N, R23W, SEC. 34, NENW,NWNE.

T47N, R23W, SEC. 35, SW,W1/2SE.

Marquette County, Advertised Price \$53,832.70, 90.2 Acres, Aspen, Hardwood.

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

Review specification 4.1.8 regarding road work required.

TIMBER SALE INFORMATION

Horseshoe Hideaway (32-021-21)

T47N, R23W, SEC. 27; T47N, R23W, SEC. 28; T47N, R23W, SEC. 33; T47N, R23W, SEC. 34; T47N, R23W, SEC. 35.

Marquette County (Advertised Price \$53,832.70)

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

Review specification 4.1.8 regarding road work required.

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 & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Black Cherry	38.8 MBF	\$ 75.00 / MBF
Red Maple	51.4 MBF	\$ 110.00 / MBF
Sugar Maple	61.2 MBF	\$ 196.00 / MBF
Pulpwood		
Balsam Fir	26 Cords	\$ 10.25 / Cord
Mixed Aspen	212 Cords	\$ 17.40 / Cord
Mixed Hardwood	2,493 Cords	\$ 11.55 / Cord
White Spruce	47 Cords	\$ 11.15 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 5.30 percent. There are an estimated 3,129 cords on this timber sale, plus or minus 166 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 \$5,383.27 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	4.9%
02	5.7%
03	40.5%
04	48.9%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 08/31/2025.

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>
247,171	3,129	5.30%	2,963	3,295

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	215,568	2,729	5.92%	2,567	2,890
2	13,905	176	10.04%	158	194
3	17,698	224	15.12%	190	258
TOTAL:	247,171	3,129		2,916	3,342

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	73.4	3	33.2
		4	40.2
2	9.1	2	9.1
3	7.7	1	7.7
TOTAL:	90.2		90.2

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Balsam Fir	Pulpwood	18	Cords	7.7	\$2,631.60
	Mixed Aspen		12	Cords		
	B. T. Aspen		4	Cords		
	Quaking Aspen		8	Cords		
	Mixed Hardwood		188	Cords		
	Red Maple		158	Cords		
	Sugar Maple		30	Cords		
	White Spruce		6	Cords		
2	Red Maple	Sawtimber	4.5	MBF	9.1	\$3,062.25
	Sugar Maple		4.2	MBF		
	Mixed Hardwood	Pulpwood	151	Cords		
	Red Maple		48	Cords		
	Sugar Maple		103	Cords		
3	Black Cherry	Sawtimber	17.6	MBF	33.2	\$21,777.35
	Red Maple		21.2	MBF		
	Sugar Maple		25.8	MBF		
	Balsam Fir	Pulpwood	4	Cords		
	Mixed Aspen		90	Cords		
	Quaking Aspen		90	Cords		
	Mixed Hardwood		974	Cords		
	Black Cherry		162	Cords		
	Ironwood		2	Cords		
	Red Maple		494	Cords		
	Sugar Maple		316	Cords		
	White Spruce		19	Cords		
4	Black Cherry	Sawtimber	21.2	MBF	40.2	\$26,361.50
	Red Maple		25.7	MBF		
	Sugar Maple		31.2	MBF		
	Balsam Fir	Pulpwood	4	Cords		
	Mixed Aspen		110	Cords		
	Quaking Aspen		110	Cords		
	Mixed Hardwood		1,180	Cords		
	Black Cherry		196	Cords		
	Ironwood		3	Cords		
	Red Maple		598	Cords		
	Sugar Maple		383	Cords		
	White Spruce		22	Cords		
TOTAL:			151.4	MBF		
TOTAL:			2,778	Cords		

Sale Specific Conditions & Requirements

Sale Name: Horseshoe Hideaway

Sale Number: 32-021-21 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 property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Payment Unit boundaries are marked with yellow paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. Yellow painted trees designating a 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, and 4, cut all trees that are four (4) inches or more at DBH, except:

- Within Payment Unit 1, do not cut paper birch, yellow birch, hemlock, cedar, white pine, or trees marked in green paint.
- Within Payment Units 3 and 4, do not cut maple that are greater than 24" at stump height, cedar, yellow birch, hemlock, white pine, red pine, and oak.

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

Within Payment Unit(s) 2, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.2 - Utilization

2.2.6 - Roundwood operation required (3/21)

The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Unit 2. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

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 10% 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.

4.1.4 - Timber removed for construction (12/09)

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 the specified Purchase Unit Price.

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 berms, stumps, slash, tops, and rocks to be placed at strategic locations. 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. 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: the Purchaser is responsible for hauling and spreading approximately 200 yards of gravel along the haul route to this timber sale. Contact forester Jason Caron for more specifics regarding this road work.

4.1.12 - No new roads (1/12)

No new roads will be permitted within Payment Unit 2. Skid trails only will be allowed.

4.2 - Maintenance

4.2.1 - Hauling restriction (12/08)

Hauling may be restricted on forest roads by the sale representative. The restriction may occur during spring break up or wet weather conditions.

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.

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 sale 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, 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) 1-4, unless changed by written agreement, cutting, skidding, and hauling are limited to the period of January 1 to March 31. This restriction is due to wet ground conditions.

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. 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. The Purchaser is responsible for picking up and hauling the mats to and from the site. 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 will be assessed for all damaged or non-returned mats. Damage for the crane/timber mats is defined as three or more broken cants.

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.

5.8 - 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 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.

**TIMBER SALE MAP**

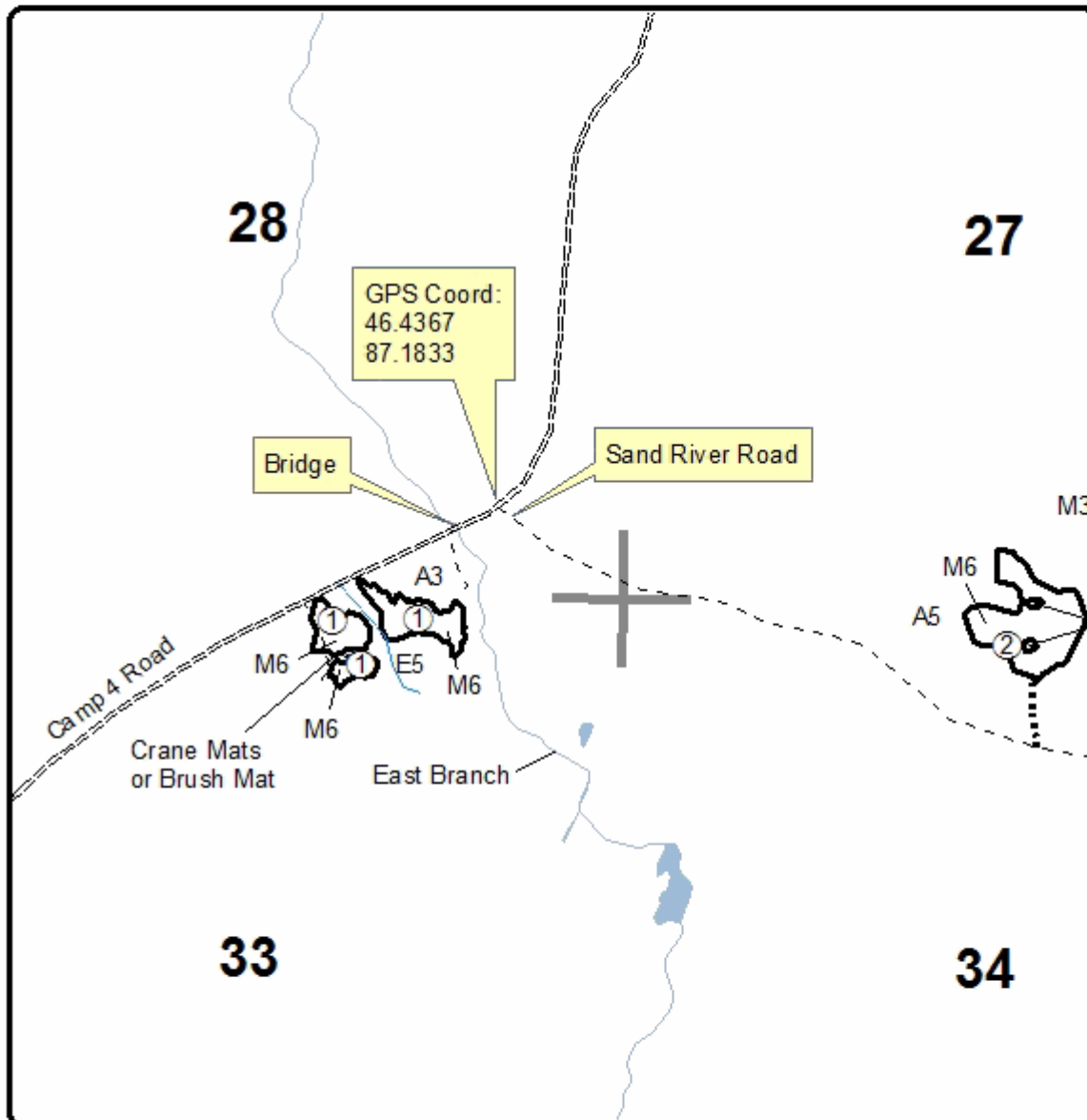
This information provided by authority of Part 525, 1994 PA 451, as amended.

Sale Number		Year	
32 - 021		2021	
Date	Page	of	
9/27/21	2	2	
1:15,840			
Density			
5 = Pole Timber Medium			
6 = Pole Timber Well			
7 = Saw Timber Poor			
8 = Saw Timber Medium			
9 = Saw Timber Well			

PU Acres

1 7.7

2 9.1

Horseshoe Hideaway**Compartment 287 & 291****90.2 Acres****Legend**

- Intermittent Stream
- Skid Trail
- Poor Dirt Road
- Gravel Road
- Against State (Red)
- Section Corners

QR Code for Avenza Map



0 0.125 0.25 0.5 0.75 1 Miles

**TIMBER SALE MAP**

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

Sale Number	Year
32 - 021	2021

Forest Management Unit	County	Mapped By	Date	Page	of
Gwinn	Marquette	Caron	9/27/21	1	2
Township	Range	Section(s) and Subdivision(s)	Scale		
47N	23W	Sections 33, 34, & 35	1:15,840		

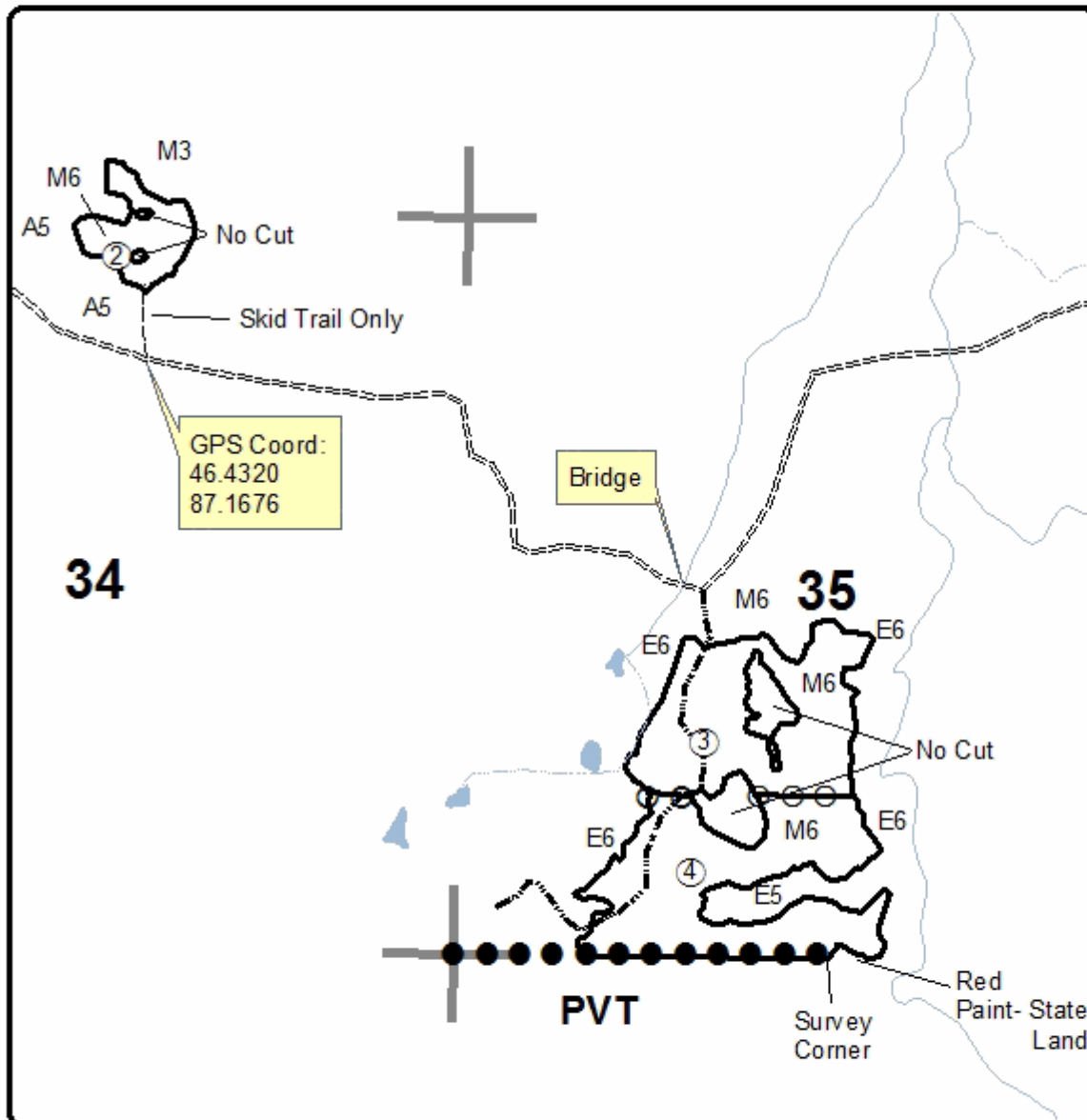
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	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 Hardwoods	M = Mpl. Ech. Birch	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 = Cress	MD = Mixed Deciduous	T = Tamarack			

PU	Acres
1	7.7
2	9.1
3	33.2
4	40.2

Horseshoe Hideaway

Compartment 287 & 291

90.2 Acres

**Legend**

- Skid Trail
- == Gravel Road
- Poor Dirt Road
- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Section Corners

QR Code for Avenza Map



0 0.125 0.25 0.5 0.75 1 Miles