



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7170**

SCHEDULED SALE DATE AND TIME: **2:00 p.m. (local time) on March 6, 2023.**

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:

Avocado Aspen (32-028-22) / T45N, R28W, SEC. 19, NESW,S1/2SW.

T45N, R29W, SEC. 24, SE.

T45N, R29W, SEC. 25, NENE.

Marquette County, Advertised Price \$42,284.25, 80.4 Acres, Aspen, Jack Pine.

TIMBER SALE INFORMATION

Avocado Aspen (32-028-22)

T45N, R28W, SEC. 19; T45N, R29W, SEC. 24; T45N, R29W, SEC. 25.

Marquette County (Advertised Price \$42,284.25)

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		
Red Pine	62.6 MBF	\$ 124.00 / MBF
White Pine	35.5 MBF	\$ 73.00 / MBF
Pulpwood		
B. T. Aspen	3 Cords	\$ 24.20 / Cord
Balsam Fir	2 Cords	\$ 14.20 / Cord
Black Spruce	54 Cords	\$ 19.40 / Cord
Jack Pine	268 Cords	\$ 39.90 / Cord
Paper Birch	68 Cords	\$ 18.60 / Cord
Quaking Aspen	610 Cords	\$ 24.20 / Cord
Red Maple	27 Cords	\$ 14.45 / Cord
Red Pine	48 Cords	\$ 55.60 / Cord
White Pine	24 Cords	\$ 33.70 / Cord
White Spruce	10 Cords	\$ 19.40 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 15.35 percent. There are an estimated 1,367 cords on this timber sale, plus or minus 210 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 \$2,114.21 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:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	29.1%
02	68.7%
03	2.2%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 08/31/2026.

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
108,022	1,367	15.35%	1,157	1,577

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	22,564	286	39.79%	172	399
2	35,618	451	27.24%	328	574
3	47,033	595	15.24%	505	686
4	2,807	36	185.25%	30	101
TOTAL:	108,022	1,367		974	1,760

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	13.4	2	13.4
2	35.7	1	30.5
		2	5.2
3	25.3	1	0.9
		2	24.4
4	6.0	3	6.0
TOTAL:	80.4		80.4

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Sawtimber	22.7	MBF	31.4	\$12,299.45
	White Pine		7.9	MBF		
	B. T. Aspen	Pulpwood	3	Cords		
	Black Spruce		8	Cords		
	Jack Pine		23	Cords		
	Paper Birch		49	Cords		
	Quaking Aspen		209	Cords		
	Red Maple		23	Cords		
	Red Pine		17	Cords		
	White Pine		13	Cords		
	White Spruce		4	Cords		
2	Red Pine	Sawtimber	39.9	MBF	43.0	\$29,053.00
	White Pine		27.6	MBF		
	Black Spruce	Pulpwood	23	Cords		
	Jack Pine		245	Cords		
	Paper Birch		19	Cords		
	Quaking Aspen		389	Cords		
	Red Maple		4	Cords		
	Red Pine		28	Cords		
	White Pine		11	Cords		
	White Spruce		6	Cords		
	3	Balsam Fir	Pulpwood	2		
Black Spruce			23	Cords		
Quaking Aspen			12	Cords		
Red Pine			3	Cords		
TOTAL:			98.1	MBF		
TOTAL:			1,114	Cords		

Sale Specific Conditions & Requirements

Sale Name: Avocado Aspen

Sale Number: 32-028-22 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 green 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 green paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. Green painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1 & 2, cut all trees that are two (2) inches or more at DBH, except do not cut oak, yellow birch, cedar & hemlock. Do not cut red or white pine that is greater than 25" dbh (diameter at breast height). Also, do not cut trees marked in yellow paint.

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

Within Payment Unit(s) 3, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. Also, cut all Aspen that are under 12" dbh (diameter at breast 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.

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.

3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are marked with yellow paint. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$200 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated 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 stock piled and use for road closure purposes.

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 stumps, tops, slash, rocks and berms to be placed at specified 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.

4.2 - Maintenance

4.2.1 - Hauling restriction (12/08)

Hauling may be restricted on forest roads by the sale administrator. The restriction may occur during spring breakup 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 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 sale administrator 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.

5.2.32 - Decking/landing restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

5.2.37 - No decking areas (12/08)

No decking is allowed within 50 feet of the Flat Rock Road.

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 the haul 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.

**TIMBER SALE MAP**

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

Sale Number	Year
32 - 028 - 22	2022

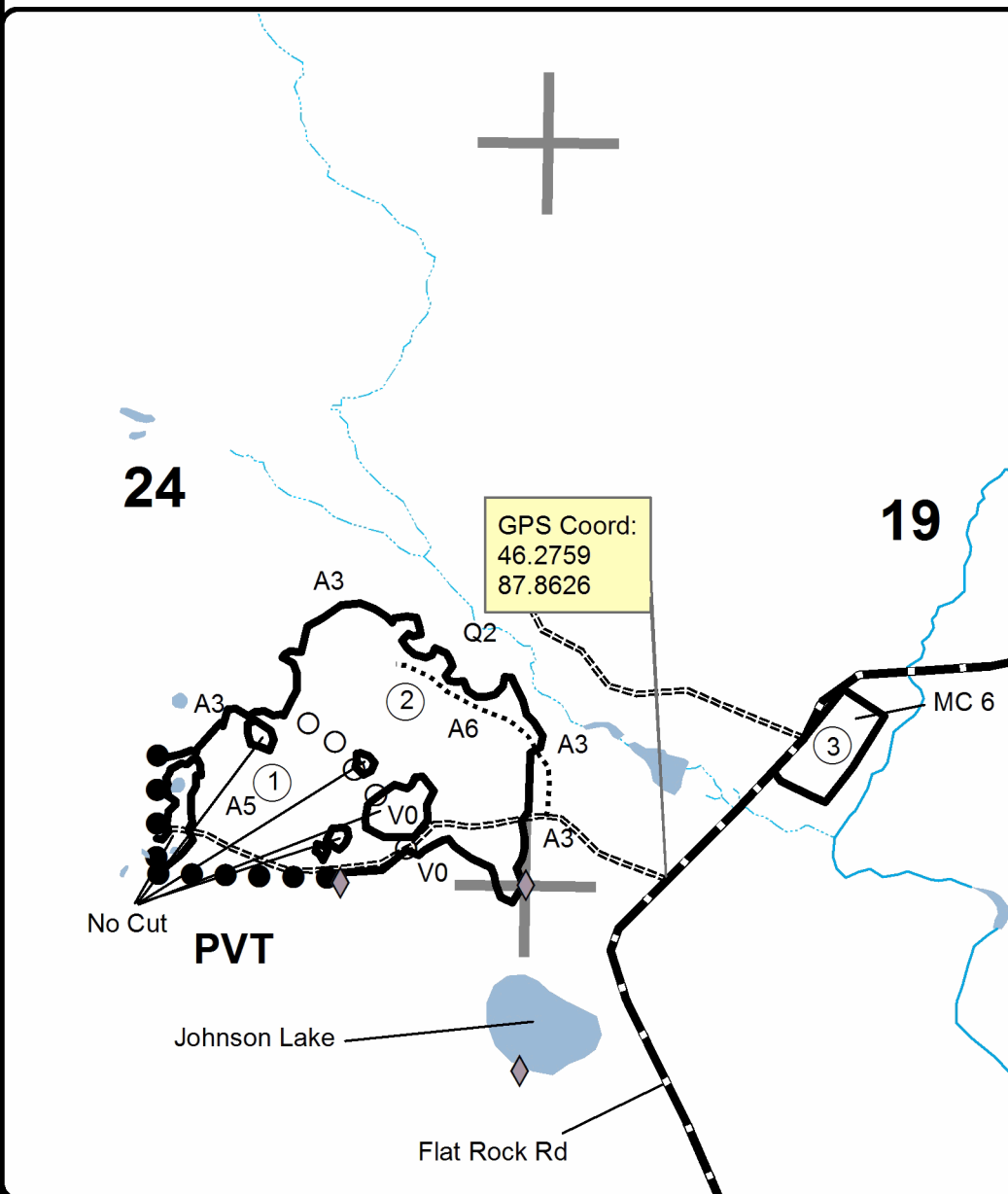
Forest Management Unit Gwinn Management Unit	County Marquette	Mapped By Jason Caron	Date 9 - 28 - 22	Page 1	of 1
Cruised By Jason Caron					

Township	Range	Section(s) and Subdivision(s)	Scale
45N	28 & 29W	45-28W - Sec. 19 45-29W- Sec. 24	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 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

1	31.4
2	43
3	6

Avocado Aspen**Compartment 236 & 237****80.4 Acres****Legend**

- Payment Unit
- Over Grown Road
- State Forest Road
- County Road
- Against State (Red)
- Payment Unit (Green)
- Private Line (Blue)
- Section Corners

QR Code for Avenza Maps

