



**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:

Huber North (32-017-22) / T45N, R23W, SEC. 20, N1/2NE, SENE, E1/2SE.

T45N, R23W, SEC. 21, W1/2NW, SW, S1/2SE.

T45N, R23W, SEC. 22, NW, N1/2SW.

T45N, R23W, SEC. 28, NENW.

Marquette County, Advertised Price \$32,532.70, 145.1 Acres, Hardwood, Spruce/Fir/Tamarack.

SALE NOTE: Note that a lot of the mapped road grids are significantly grown in but could be re-opened for access across units. There are numerous cross drainage ditches accessing the sale area, contact the sale administrator to discuss access options.

Access may be through other public land.

TIMBER SALE INFORMATION

Huber North (32-017-22)

T45N, R23W, SEC. 20; T45N, R23W, SEC. 21; T45N, R23W, SEC. 22; T45N, R23W, SEC. 28.

Marquette County (Advertised Price \$32,532.70)

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Access may be through 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 & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Basswood	15.6 MBF	\$ 18.00 / MBF
Black Cherry	5.8 MBF	\$ 29.00 / MBF
Red Maple	84.5 MBF	\$ 47.00 / MBF
Sugar Maple	21.5 MBF	\$ 74.00 / MBF
Yellow Birch	21.6 MBF	\$ 19.00 / MBF
Pulpwood		
Balsam Fir	285 Cords	\$ 6.55 / Cord
Basswood	21 Cords	\$ 3.85 / Cord
Mixed Hardwood	2,414 Cords	\$ 7.45 / Cord
Mixed Spruce	473 Cords	\$ 8.10 / Cord
Paper Birch	43 Cords	\$ 9.25 / Cord
Quaking Aspen	43 Cords	\$ 12.60 / Cord
Tamarack	149 Cords	\$ 9.45 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 10.94 percent. There are an estimated 3,876 cords on this timber sale, plus or minus 424 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 \$1,626.64 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	8.8%
02	11.2%
03	8.3%
04	21.0%
05	7.9%
06	11.3%
07	23.0%
08	8.5%

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
306,176	3,876	10.94%	3,451	4,300

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	25,674	325	60.03%	130	520
2	33,121	419	33.51%	279	560
3	21,349	270	27.00%	197	343
4	34,511	437	39.54%	264	610
5	19,251	244	22.61%	189	299
6	32,228	408	34.09%	269	547
7	80,552	1,020	21.15%	804	1,235
8	59,492	753	22.53%	583	923
TOTAL:	306,176	3,876		2,715	5,036

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	1	6.9
2	15.4	2	15.4
3	8.1	3	8.1
4	17.7	6	17.7
5	13.5	5	13.5
6	26.0	8	26.0
7	34.4	7	34.4
8	23.1	4	23.1
TOTAL:	145.1		145.1

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Sawtimber	15.4	MBF	6.9	\$2,862.30
	Yellow Birch		6.7	MBF		
	Mixed Hardwood	Pulpwood	258	Cords		
	<i>Red Maple</i>		216	<i>Cords</i>		
	<i>Sugar Maple</i>		5	<i>Cords</i>		
	<i>Yellow Birch</i>		37	<i>Cords</i>		
	Mixed Spruce		11	Cords		
	<i>White Spruce</i>		11	<i>Cords</i>		
2	Black Cherry	Sawtimber	1.4	MBF	15.4	\$3,656.60
	Red Maple		12.2	MBF		
	Yellow Birch		1.4	MBF		
	Balsam Fir	Pulpwood	9	Cords		
	Mixed Hardwood		373	Cords		
	<i>Black Cherry</i>		15	<i>Cords</i>		
	<i>Red Maple</i>		347	<i>Cords</i>		
	<i>Sugar Maple</i>		3	<i>Cords</i>		
	<i>Yellow Birch</i>		8	<i>Cords</i>		
	Mixed Spruce		22	Cords		
	<i>Black Spruce</i>		22	<i>Cords</i>		
	3	Black Cherry	Sawtimber	4.4		
Red Maple			15.8	MBF		
Sugar Maple			2.0	MBF		
Yellow Birch			2.1	MBF		
Balsam Fir		Pulpwood	9	Cords		
Mixed Hardwood			212	Cords		
<i>Black Cherry</i>			5	<i>Cords</i>		
<i>Red Maple</i>			84	<i>Cords</i>		
<i>Sugar Maple</i>			107	<i>Cords</i>		
<i>Yellow Birch</i>			16	<i>Cords</i>		
4	Red Maple	Sawtimber	30.1	MBF	23.1	\$6,821.70
	Sugar Maple		6.8	MBF		
	Balsam Fir	Pulpwood	20	Cords		
	Mixed Hardwood		588	Cords		
	<i>Red Maple</i>		467	<i>Cords</i>		
	<i>Sugar Maple</i>		121	<i>Cords</i>		
	Mixed Spruce		37	Cords		
	<i>White Spruce</i>		37	<i>Cords</i>		
	Paper Birch		10	Cords		
5	Red Maple	Sawtimber	2.2	MBF	13.5	\$2,556.35
	Sugar Maple		12.7	MBF		
	Balsam Fir	Pulpwood	2	Cords		
	Mixed Hardwood		197	Cords		
	<i>Black Ash</i>		3	<i>Cords</i>		
	<i>Ironwood</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		76	<i>Cords</i>		
	<i>Sugar Maple</i>		116	<i>Cords</i>		
	Mixed Spruce		4	Cords		
	<i>White Spruce</i>		4	<i>Cords</i>		
6	Mixed Hardwood	Pulpwood	28	Cords	17.7	\$3,665.95
	<i>Red Maple</i>		28	<i>Cords</i>		
	Mixed Spruce		253	Cords		
	<i>Black Spruce</i>		253	<i>Cords</i>		
	Tamarack		149	Cords		
7	Red Maple	Sawtimber	8.8	MBF	34.4	\$7,506.00
	Yellow Birch		11.4	MBF		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
7 con't	Balsam Fir	Pulpwood	145	Cords		
	Mixed Hardwood		588	Cords		
	<i>Black Ash</i>		40	<i>Cords</i>		
	<i>Red Maple</i>		388	<i>Cords</i>		
	<i>Sugar Maple</i>		24	<i>Cords</i>		
	<i>Yellow Birch</i>		136	<i>Cords</i>		
	Mixed Spruce		136	Cords		
	<i>Black Spruce</i>		136	<i>Cords</i>		
	Paper Birch		33	Cords		
	Quaking Aspen		11	Cords		
8	Basswood	Sawtimber	15.6	MBF	26.0	\$2,767.35
	Balsam Fir	Pulpwood	100	Cords		
	Basswood		21	Cords		
	Mixed Hardwood		170	Cords		
	<i>Black Ash</i>		48	<i>Cords</i>		
	<i>Red Maple</i>		96	<i>Cords</i>		
	<i>Sugar Maple</i>		26	<i>Cords</i>		
	Mixed Spruce		10	Cords		
	<i>White Spruce</i>		10	<i>Cords</i>		
	Quaking Aspen		32	Cords		
TOTAL:			149.0	MBF		
TOTAL:			3,428	Cords		

Sale Specific Conditions & Requirements

Sale Name: Huber North

Sale Number: 32-017-22 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 and red paint. Exterior sale boundary lines against private are marked with blue paint. Exterior sale boundary lines against state and Interior Payment Unit boundaries are marked with red 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) 6, 7, and 8, cut all trees that are two (2) inches or more at DBH except cedar, hemlock, and pine. In addition, within:

Payment Unit 6 and 8 - Leave yellow birch.

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

Within Payment Unit(s) 5, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within Payment Unit 5, all merchantable spruce/fir is designated for cutting.

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

Within Payment Unit(s) 1, 2, 3, and 4, cut all trees that are two (2) inches or more at DBH except cedar, hemlock, pine, and trees marked with green paint above and below stump height. In addition, within:

Payment Unit 4 - leave aspen, black cherry, yellow birch, and trees over a 24" diameter at the stump.

2.2 - Utilization

2.2.4 - Skidding length (2/14)

Within Payment Unit 1, 2, 3, 4, and 5, skidding of unlimbed tops or lengths over 17 feet is not permissible unless approved by the Unit Manager or his/her representative.

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 Payment Unit 5.

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.

4.1.4 - 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.

4.2 - 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.

4.2.4 - 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.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land is the responsibility of the Purchaser. Access will be from the north across Lyme Timber property.

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, Payment Units 6, 7, and 8 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

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 5, 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. 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.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 3, 4, 5, 6, 7, and 8, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is due to soft ground within Payment Units and/or soft ground access to 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 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 Carlshend Road / County Road 456 from both directions and any forest access roads used 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 decline in black ash. 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.

Forest Management Unit Gwinn Management Unit		County Marquette	Mapped By Brolin	Date 09/25/2022	Page 1	of 1
Township 45N	Range 23W	Section(s) and Subdivision(s) Sections 20, 21, 22, and 28		Scale 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	PU Acres
1 6.9	5 13.5
2 15.4	6 17.7
3 8.1	7 34.4
4 23.1	8 26.0

Huber North Compartments 2 and 3 145.1 Acres



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