



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7344**

SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on September 3, 2024.

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

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:

Snowtrekker Spruce (32-011-23) / T45N, R28W, SEC. 4 , W1/2NW,NWSW.

T45N, R28W, SEC. 5 , E1/2NW,NE,NWSW,SESW,NESE,SWSE.

T45N, R28W, SEC. 8 , NENW,NWNE.

Marquette County, Advertised Price \$39,149.85, 205.2 Acres, Spruce/Fir/Tamarack, Jack Pine.

SALE NOTE: Sale is on wet ground and has an operating restriction to protect the ground. Alternate access though private may be possible. A portable bridge and winter road will be required to access Payment Unit 7. The DNR will provide the bridge and handle the required permitting.

The Lone Oak (32-023-23) / T44N, R23W, SEC. 17, SWNW,NWSW.

T44N, R23W, SEC. 18, N1/2SE,SWSE.

T44N, R23W, SEC. 18, NW,NENE,S1/2NE,N1/2SW,SESW.

T44N, R24W, SEC. 13, SENE,NESE.

Marquette County, Advertised Price \$65,518.65, 163.0 Acres, Hardwood, Aspen.

Mangum Central Maple (32-024-23) / T47N, R23W, SEC. 13, SESW,SWSE.

T47N, R23W, SEC. 23, SE.

T47N, R23W, SEC. 24, NENW,S1/2NW,NE,SW,N1/2SE.

T47N, R23W, SEC. 25, N1/2NW.

Marquette County, Advertised Price \$160,047.15, 342.9 Acres, Hardwood, Sugar Maple.

SALE NOTE: A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.

Mangum East Maple (32-025-23) / T47N, R22W, SEC. 19, NW,W1/2NE,N1/2SW,SESW,SWSE.

T47N, R22W, SEC. 30, NENW,NWNE.

T47N, R23W, SEC. 24, E1/2NE,E1/2SE.

Alger County, Advertised Price \$52,824.35, 152.2 Acres, Hardwood, Spruce/Fir/Tamarack.

SALE NOTE: A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.

BID INSTRUCTIONS (VER. 10/10/2022):

1. Scheduled Bid Location, Date, and Time (2/11)

Bids must be received by the Unit Manager, GWINN OFFICE, 410 WEST M 35, GWINN, MI 49841, no later than 2:00 p.m. (local time) on September 3, 2024. For further information concerning this sale, contact Mike Brodeur at 906-346-9201 extension 103.

2. Bidder's Qualifications (10/22)

If all or part of a timber sale was prepared by a private contractor, the contractor and that contractor's company are not permitted to bid on the timber sale. A person must be 18 years of age or older to purchase timber. Permanent employees of the Department of Natural Resources or members of their immediate household may not bid. Former employees, in the permanent or seasonal class, may not bid until 3 months after the last day of active duty. Bids will not be accepted from individuals or companies appearing on the DNR/FRD No-Bid List. This list contains the names of purchasers who previously failed to execute a contract within 21-days or who have a history of poor performance.

3. Preparation of Sealed Bids (5/16)

Bid Forms may be completed online thru Michigan DNR Timber Sale Online Bidding (OLB) at www.michigan.gov/timberbidding or by completing the hardcopy Bid Form found in the Timber Sale Prospectus. Hardcopy Bid Forms shall be manually signed in ink. Registration in OLB is considered your 'signature' for all bids submitted thru that system. Bid prices must be entered for each species and product in the Bid Price column for all material subject to bidding and all fill-in blanks must be completed. If erasures or other changes appear on the hardcopy Bid Form, each erasure or change must be initialed by the person signing the bid.

4. Submission of Sealed Bids (5/16)

Bid forms may be obtained from the Unit Manager or thru OLB. Bids may be submitted hardcopy or thru OLB. All hardcopy bids must be submitted on the bid form and in an envelope clearly identified as described in this section. NOTE: Only one bid form per bid envelope. Sealed bids must be submitted to the Unit office designated in the prospectus and must be submitted at or prior to the time established in the prospectus. The envelope should show on the outside (a) the sale name or number and (b) the date and time of bid opening, as shown in the prospectus. Bids received after the time specified in the sale prospectus are late bids and will be rejected.

It is possible for a bidder to submit multiple bids on a single sale. For example, a bid may be submitted hardcopy and a bid may be submitted thru OLB. Or, two bidders from the same company could both submit bids on the same sale. If this were to happen, the State would accept all bids received and award the contract accordingly. All bidding and contractual requirements would apply to all bids received.

5. Public Opening of Sealed Bids (7/16)

If conditions permit, the sealed bids will be publicly opened and posted at the time and place set in the prospectus.

If a bidder, present at a bid opening, has submitted bids on more than one sale, that bidder may withdraw their unopened bid envelopes or announce the withdrawal of their online bid after being declared the successful bidder on one sale.

6. Award of Contract (1/11)

Award of the contract will be made to the Bidder whose bid, conforming to the prospectus, is most advantageous to the State of Michigan on the basis of total value at rates bid for the estimated quantities. The State reserves the right to reject any bid or waive any minor irregularity in bids received. A written award mailed (or otherwise furnished) to the successful Bidder shall be deemed to result in a binding contract without further action by either party.

7. Down Payment (1/11)

The Bidder to whom award is made must make a down payment within 21 days of the sale award. The amount of the down payment will be calculated as shown in the Bond and Payment Schedule of this prospectus. Only cash may be used to meet this requirement.

8. Performance Security (1/11)

As guarantee of faithful performance, a cash bond, certificate of deposit, surety bond or irrevocable letter of credit (LOC) is required within 21 days of the sale award. The amount of the performance security is shown in the Bond and

Payment Schedule of this prospectus. If an LOC or surety is used, the coverage must extend for at least 6 months beyond the contract expiration.

9. Worker's Compensation (10/22)

Purchaser shall obtain worker's compensation insurance to cover claims under Michigan's Worker's Disability Compensation Act of 1969 or similar employee benefit act of any other state applicable to an employee. Verification of Worker's Disability Compensation Act Compliance must be completed and submitted within 21 days of contract award and prior to the issuance of the timber sale contract. In addition, if applicable, Notice of Exclusion or Certificate of Insurance must also be submitted.

10. Timber Sale Contract (10/22)

Additional conditions and requirements common to all timber sales are listed on the timber sale contract (R4031) and are available on line at www.michigan.gov/timber. Contact the Unit Manager for additional information or a sample contract. Within 21 days of the date of the award letter, the bidder must sign the contract and provide the required down payment, performance security, and verification of worker's disability compensation. The down payment and performance security shall be in accordance with the provisions of the timber sale contract, in the sums stated in this prospectus. If these actions are not taken, then the Bidder, the Bidder's corporation, and the corporation's principals may not be permitted to bid on State timber sales for a period of 3 months after the first offense, 6 months after the second offense, and 1 year after the third offense. An offense will only be counted against the Bidder for 5 years. In addition, the Bidder certifies that if awarded this contract, the Bidder will complete the timber sale contract in accordance with its terms and any modifications thereof including requirements to purchase, cut, and remove the included timber by the expiration date.

Payment Unit values in the State Forest Timber Sale Contract are calculated based on the advertised value of the Payment Unit as a percentage of the total advertised value of the contract. The advertised value of each Payment Unit is given in the Description of Timber by Payment Unit table on the Timber Sale Information page. For example, if the value of Payment Unit 1 is advertised as \$1,500 and the total Timber Sale value is advertised as \$10,000, the contract price for Payment Unit 1 will be 15% of the total bid price ($\$1,500/\$10,000 * 100$).

11. Disclaimer of Estimates and Bidder's Warranty of Inspection (10/22)

Before submitting this bid, the Bidder is advised and cautioned to inspect the sale area, review the requirements of the sale contract, and take other steps as may be reasonably necessary to ascertain the location, estimated volumes, construction estimates, and operating costs of the proposed sale. Failure to do so will not relieve the Bidder from responsibility for completing the contract.

The Bidder warrants that this bid is submitted solely on the basis of the Bidder's examination and inspection of the quality and quantity of the timber offered for sale and the Bidder's opinion of the value thereof and the costs of recovery. No reliance should be placed on the State of Michigan's estimates of timber quality, quantity or costs of recovery. Bidder further acknowledges that the State of Michigan: (i) expressly disclaims any warranty of fitness of timber for any purpose; (ii) offers this timber as is without any warranty of quality (merchantability) or quantity and (iii) expressly disclaims any warranty as to the quantity or quality of timber sold.

12. Certification and Chain-of-Custody (10/22)

Unless otherwise indicated in the contract under section 7 – Other Conditions of the Sale Specific Conditions & Requirements, the area encompassed by this timber sale is certified to the standards of the Forest Stewardship Council (FSC) - Certificate #SCS-FM/COC-00090N and the Sustainable Forestry Initiative (SFI) - Certificate #NSF-SFIS-5Y031-SF5. Forest products from this sale may be delivered to the mill as "FSC 100% and / or SFI certified" as long as the contractor hauling the forest products is chain-of-custody (COC) certified or covered under a COC certificate from the destination mill. The purchaser is responsible for maintaining COC after leaving the sale area.

13. Good Neighbor Authority (GNA) Requirements (10/22)

If the name of this timber sales contains the acronym GNA, it is authorized by the Good Neighbor Authority (GNA) and covered by various agreements between the U.S. Forest Service and the State. The timber sale occurs on federal land and the following conditions apply:

GNA contracts on US Forest Service land will not be awarded to purchasers on the Federal list of excluded parties. The System for Award Management (SAM) will be checked for active excluded parties prior to award of contract. In

addition, the Bidder to whom award is made must complete an Assurance Regarding Felony Conviction or Tax Delinquent Status for Corporate Applicants (AD-3031).

14. Good Neighbor Authority (GNA) Requirements, con't (10/22)

Bidder certifies, by signing this bid form, that to the best of Bidder's knowledge that the following representations are accurate and complete.

- a. That the Bidder and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntary excluded from timber sales (covered transactions) by any Federal department or agency.
- b. That the Bidder and its principals have not within a 3-year period preceding this bid been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining , attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
- c. That the Bidder and its principals are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph b of this certification.
- d. That the Bidder and its principals have not within a 3-year period preceding this bid had one or more public transactions (Federal, State, or local) terminated for breach or default of a timber or forest product contract.

Bidders that cannot certify this requirement, in whole or in part, shall submit an explanation with their bid.

Scott Bowen
Director

TIMBER SALE INFORMATION

Snowtrekker Spruce (32-011-23)
 T45N, R28W, SEC. 4; T45N, R28W, SEC. 5; T45N, R28W, SEC. 8.
 Marquette County (Advertised Price \$39,149.85)

SALE NOTE: Sale is on wet ground and has an operating restriction to protect the ground. Alternate access though private may be possible. A portable bridge and winter road will be required to access Payment Unit 7. The DNR will provide the bridge and handle the required permitting.

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>
Pulpwood		
Balsam Fir	3 Cords	\$ 10.85 / Cord
Black Spruce	2,377 Cords	\$ 11.55 / Cord
Jack Pine	52 Cords	\$ 34.20 / Cord
Paper Birch	26 Cords	\$ 15.30 / Cord
Tamarack	695 Cords	\$ 13.65 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.26 percent. There are an estimated 3,155 cords on this timber sale, plus or minus 387 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 \$1,957.00 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	2.9%
02	17.6%
03	21.4%
04	23.4%
05	18.6%
06	1.1%
07	15.0%
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
249,257	3,155	12.26%	2,768	3,542

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.

VDU	VOLUME		PERCENT ERROR	RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
1	216,880	2,745	11.68%	2,425	3,066
7	32,376	410	48.68%	210	609
TOTAL:	249,257	3,155		2,635	3,675

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	170.9	1	5.9
		2	35.4
		3	42.9
		4	47.1
		5	37.4
		6	2.2
7	34.3	7	34.3
TOTAL:	205.2		205.2

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black Spruce	Pulpwood	70	Cords	5.9	\$1,151.40
	Paper Birch		1	Cords		
	Tamarack		24	Cords		
2	Black Spruce	Pulpwood	420	Cords	35.4	\$6,893.10
	Paper Birch		5	Cords		
	Tamarack		144	Cords		
3	Black Spruce	Pulpwood	509	Cords	42.9	\$8,361.15
	Paper Birch		7	Cords		
	Tamarack		174	Cords		
4	Black Spruce	Pulpwood	558	Cords	47.1	\$9,172.80
	Paper Birch		7	Cords		
	Tamarack		192	Cords		
5	Black Spruce	Pulpwood	443	Cords	37.4	\$7,283.25
	Paper Birch		6	Cords		
	Tamarack		152	Cords		
6	Black Spruce	Pulpwood	26	Cords	2.2	\$423.15
	Tamarack		9	Cords		
7	Balsam Fir	Pulpwood	3	Cords	34.3	\$5,865.00
	Black Spruce		351	Cords		
	Jack Pine		52	Cords		
TOTAL:			3,153	Cords		

Sale Specific Conditions & Requirements

Sale Name: Snowtrekker Spruce

Sale Number: 32-011-23 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, 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. 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) 1-7, cut all trees that are two (2) inches or more at DBH, except do not cut any cedar, red pine, or white pine.

4 - Transportation

4.1 - Construction

4.1.2 - Stream crossings, specific (3/11)

The Flatrock Creek crossing will require the installation of a portable bridge which may be borrowed from the DNR. This installation will be performed in accordance with the specifications on the appropriate permits which shall be provided by the DNR. The Flatrock Creek, between Payments Units 6 & 7, is shown on the Timber Sale Map.

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 (4/24)

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.

4.1.11 - Permits (2/12)

The DNR will secure any necessary stream crossing permits that may be required.

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 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.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land is the responsibility of the Purchaser.

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 1-7 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) 1-7, unless changed by written agreement, cutting, and skidding, are limited to the period of 12/15 to 4/1. This restriction is due to low ground conditions.

5.2.17 - Timber Mats and Interlocking Composite Mats (5/23)

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 Amendment 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.

5.2.32 - 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 Perch Lake 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 32-011-23	Date 10/02/2023
Scale 1:15,840	Page 1
	Of 1

Forest Management Unit Gwinn Mgt Unit	County Marquette	Mapped By: Gabler
		Cruised By: Hill, Brolin, Gould

Township 45N	Range 28W	Section(s) and Subdivision(s) Sec. 4 W1/2NW,NWSW; Sec. 5 E1/2NW,NE,NWSW,SESW,NESE,SWSE; Sec. 8 NENW,NWNE;
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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		

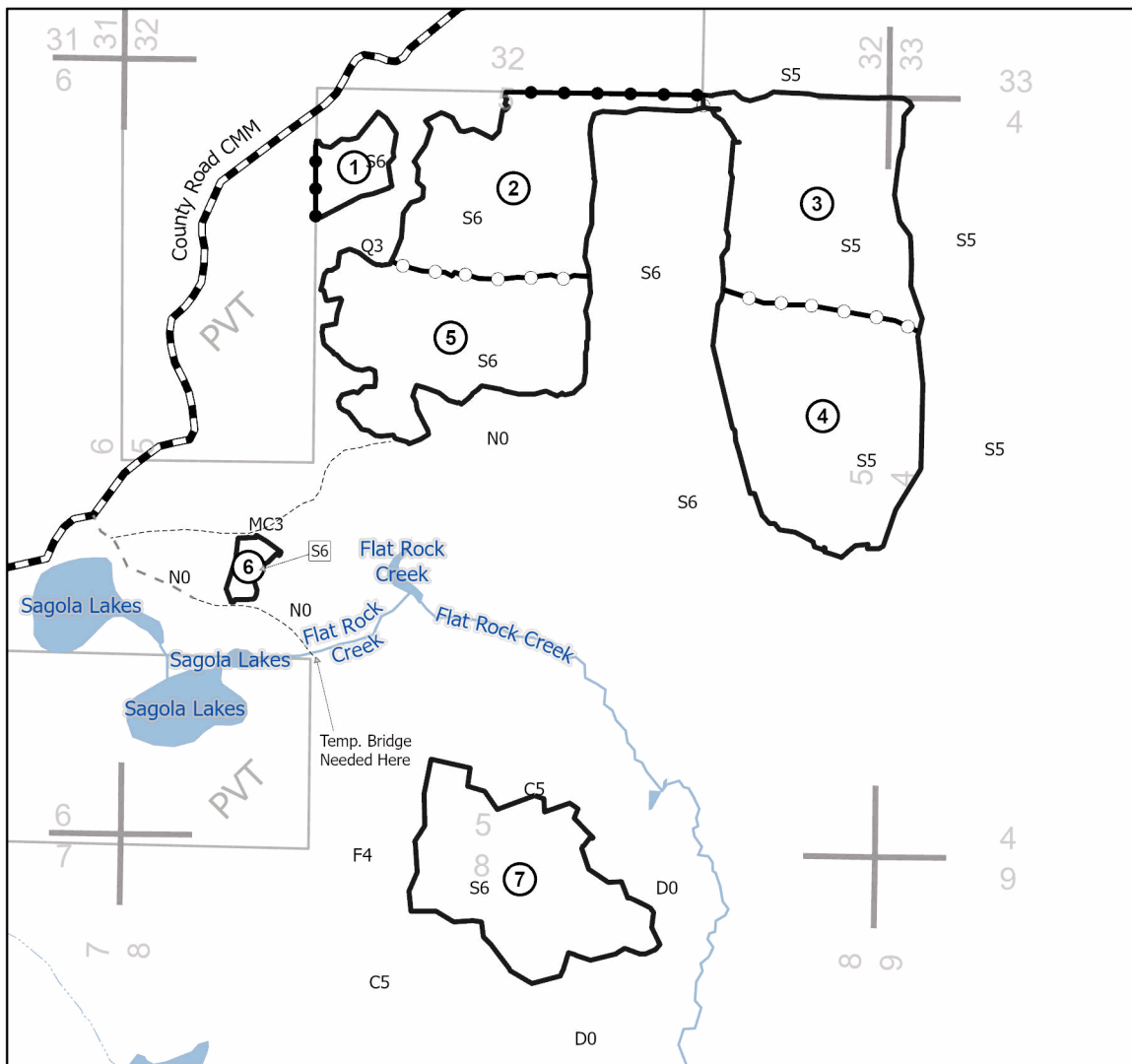
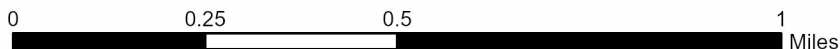
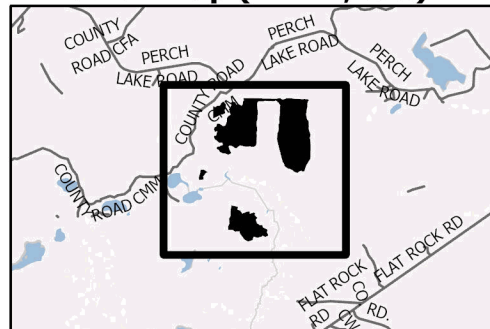
Density	
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

PU #	Acres	PU #	Acres
1	5.9	5	37.4
2	35.4	6	2.2
3	42.9	7	34.3
4	47.1		

Snowtrekker Spruce

205.2 Acres

Locator Map (1:100,000)



Legend

- County Road CMM
- Forest Access
- DNR - Management Access
- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- MIRIS Section Corner

Use QR Code to open Map in App



TIMBER SALE INFORMATION

The Lone Oak (32-023-23)

T44N, R23W, SEC. 17; T44N, R23W, SEC. 18; T44N, R24W, SEC. 13.
Marquette County (Advertised Price \$65,518.65)

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	39.1 MBF	\$ 37.00 / MBF
Paper Birch	0.7 MBF	\$ 79.00 / MBF
Red Maple	148.3 MBF	\$ 85.00 / MBF
Sugar Maple	102.4 MBF	\$ 172.00 / MBF
Pulpwood		
Balsam Fir	197 Cords	\$ 11.45 / Cord
Basswood	18 Cords	\$ 11.45 / Cord
Mixed Aspen	478 Cords	\$ 22.95 / Cord
Mixed Hardwood	1,416 Cords	\$ 11.75 / Cord
Mixed Spruce	160 Cords	\$ 12.20 / Cord
Paper Birch	110 Cords	\$ 16.15 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 19.73 percent. There are an estimated 3,058 cords on this timber sale, plus or minus 603 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 \$3,276.00 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	8.7%
02	14.5%
03	13.4%
04	2.6%
05	9.4%
06	8.2%
07	10.3%
08	3.6%
09	1.7%
10	4.1%
11	5.6%
12	17.9%

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
241,590	3,058	19.73%	2,455	3,662

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	67,297	852	23.48%	652	1,052
2	5,322	67	47.21%	36	99
3	69,339	878	24.06%	667	1,089
4	45,170	572	53.74%	265	879
5	20,407	258	36.89%	163	354
6	14,819	188	34.41%	123	252
8	14,139	179	51.36%	87	271
9	5,098	65	87.35%	8	121
TOTAL:	241,590	3,058		2,000	4,117

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	50.5	1	12.0
		2	20.0
		3	18.5
2	4.3	4	4.3
		5	19.3
3	57.3	6	16.9
		7	21.1
		12	16.2
		11	11.6
4	16.2	10	8.2
		8	10.0
5	11.6	9	4.9
TOTAL:	163.0		163.0

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	9.3	MBF	12.0	\$5,686.60
	Red Maple		8.8	MBF		
	Sugar Maple		18.8	MBF		
	Balsam Fir	Pulpwood	3	Cords		
	Basswood		4	Cords		
	Mixed Hardwood		109	Cords		
	<i>Ironwood</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		29	<i>Cords</i>		
	<i>Sugar Maple</i>		79	<i>Cords</i>		
2	Basswood	Sawtimber	15.5	MBF	20.0	\$9,499.70
	Red Maple		14.7	MBF		
	Sugar Maple		31.4	MBF		
	Balsam Fir	Pulpwood	5	Cords		
	Basswood		7	Cords		
	Mixed Hardwood		182	Cords		
	<i>Ironwood</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		48	<i>Cords</i>		
	<i>Sugar Maple</i>		132	<i>Cords</i>		
3	Basswood	Sawtimber	14.3	MBF	18.5	\$8,772.75
	Red Maple		13.6	MBF		
	Sugar Maple		29.0	MBF		
	Balsam Fir	Pulpwood	5	Cords		
	Basswood		7	Cords		
	Mixed Hardwood		167	Cords		
	<i>Ironwood</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		44	<i>Cords</i>		
	<i>Sugar Maple</i>		122	<i>Cords</i>		
4	Red Maple	Sawtimber	9.9	MBF	4.3	\$1,678.15
	Sugar Maple		2.2	MBF		
	Mixed Hardwood	Pulpwood	39	Cords		
	<i>Red Maple</i>		29	<i>Cords</i>		
	<i>Sugar Maple</i>		10	<i>Cords</i>		
5	Red Maple	Sawtimber	29.0	MBF	19.3	\$6,151.75
	Sugar Maple		6.8	MBF		
	Balsam Fir		Pulpwood	38		
	Mixed Aspen	4		Cords		
	<i>Balsam Poplar</i>	1		<i>Cords</i>		
	<i>Quaking Aspen</i>	3		<i>Cords</i>		
	Mixed Hardwood	159		Cords		
	<i>Red Maple</i>	121		<i>Cords</i>		
	<i>Sugar Maple</i>	38		<i>Cords</i>		
	Mixed Spruce	10		Cords		
	<i>Black Spruce</i>	9		<i>Cords</i>		
	<i>White Spruce</i>	1		<i>Cords</i>		
	6	Red Maple	Sawtimber	25.4		
Sugar Maple		5.9		MBF		
Balsam Fir		Pulpwood		34	Cords	
Mixed Aspen			4	Cords		
<i>Balsam Poplar</i>			1	<i>Cords</i>		
<i>Quaking Aspen</i>			3	<i>Cords</i>		
Mixed Hardwood			139	Cords		
<i>Red Maple</i>			106	<i>Cords</i>		
<i>Sugar Maple</i>			33	<i>Cords</i>		
Mixed Spruce			9	Cords		
<i>Black Spruce</i>			8	<i>Cords</i>		
<i>White Spruce</i>			1	<i>Cords</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
7	Red Maple	Sawtimber	31.8	MBF	21.1	\$6,750.15
	Sugar Maple		7.4	MBF		
	Balsam Fir	Pulpwood	42	Cords		
	Mixed Aspen		5	Cords		
	<i>Balsam Poplar</i>		1	Cords		
	<i>Quaking Aspen</i>		4	Cords		
	Mixed Hardwood		174	Cords		
	<i>Red Maple</i>		132	Cords		
	<i>Sugar Maple</i>		42	Cords		
	Mixed Spruce		11	Cords		
	<i>Black Spruce</i>		10	Cords		
	<i>White Spruce</i>		1	Cords		
8	Red Maple	Sawtimber	3.6	MBF	10.0	\$2,348.60
	Balsam Fir	Pulpwood	5	Cords		
	Mixed Hardwood		150	Cords		
	<i>Red Maple</i>		150	Cords		
	Mixed Spruce		9	Cords		
	<i>White Spruce</i>		9	Cords		
	Paper Birch		7	Cords		
9	Red Maple	Sawtimber	3.7	MBF	4.9	\$1,103.20
	Sugar Maple		0.9	MBF		
	Balsam Fir	Pulpwood	2	Cords		
	Mixed Hardwood		52	Cords		
	<i>Red Maple</i>		45	Cords		
	<i>Sugar Maple</i>		7	Cords		
10	Paper Birch	Sawtimber	0.7	MBF	8.2	\$2,688.75
	Red Maple		2.8	MBF		
	Balsam Fir	Pulpwood	48	Cords		
	Mixed Aspen		10	Cords		
	<i>Quaking Aspen</i>		10	Cords		
	Mixed Hardwood		66	Cords		
	<i>Red Maple</i>		66	Cords		
	Mixed Spruce		12	Cords		
	<i>Black Spruce</i>		12	Cords		
	Paper Birch		43	Cords		
11	Red Maple	Sawtimber	2.7	MBF	11.6	\$3,697.90
	Mixed Aspen	Pulpwood	29	Cords		
	<i>Quaking Aspen</i>		29	Cords		
	Mixed Hardwood		142	Cords		
	<i>Red Maple</i>		142	Cords		
	Mixed Spruce		44	Cords		
	<i>Black Spruce</i>		44	Cords		
	Paper Birch		37	Cords		
12	Red Maple	Sawtimber	2.3	MBF	16.2	\$11,743.15
	Balsam Fir	Pulpwood	15	Cords		
	Mixed Aspen		426	Cords		
	<i>B. T. Aspen</i>		227	Cords		
	<i>Quaking Aspen</i>		199	Cords		
	Mixed Hardwood		37	Cords		
	<i>Red Maple</i>		37	Cords		
	Mixed Spruce		65	Cords		
	<i>Black Spruce</i>		65	Cords		
	Paper Birch		23	Cords		
	TOTAL:			290.5		

TOTAL:	2,379 Cords
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Sale Specific Conditions & Requirements

Sale Name: The Lone Oak

Sale Number: 32-023-23 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 red and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint, with the exception of the interior Payment Unit boundary surrounding Payment Unit 9, which is marked with red paint (see Timber Sale Map). Retention patches are marked with red paint; no harvesting activities may occur within these areas. 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) 10-12, cut all trees that are two (2) inches or more at DBH, except in Payment Units 10 & 11 do not cut hemlock, black cherry, yellow birch, cedar or white pine, and in Payment Unit 12 do not cut hemlock, cedar or white pine.

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

Within Payment Unit(s) 1-9 & 11, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. Additionally, within Payment Units 1-7, cut all spruce, balsam fir and aspen.

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 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 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 (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: 50 cubic yards of gravel will be spread in holes on state forest roads.

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 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 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) 8, 10 & 11, unless changed by written agreement, cutting, skidding, and hauling is limited to frozen soil conditions. This restriction is because of wet access along Badder Road and the potential for excessive rutting within Payment Units 8, 10, & 11.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1-9, 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 (5/23)

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 Amendment 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 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) 1-7 & 12, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because of wet access.

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 Badder 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. 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	Year
32 - 020	23

Forest Management Unit	County	Mapped By	Date	Page	of
Gwinn Management Unit	Marquette	Pete Holdnick	09/05/2023	1	1
Township	Range	Section(s) and Subdivision(s)	Scale		
44N	23W	Sections 13, 17, and 18	1:15,840		

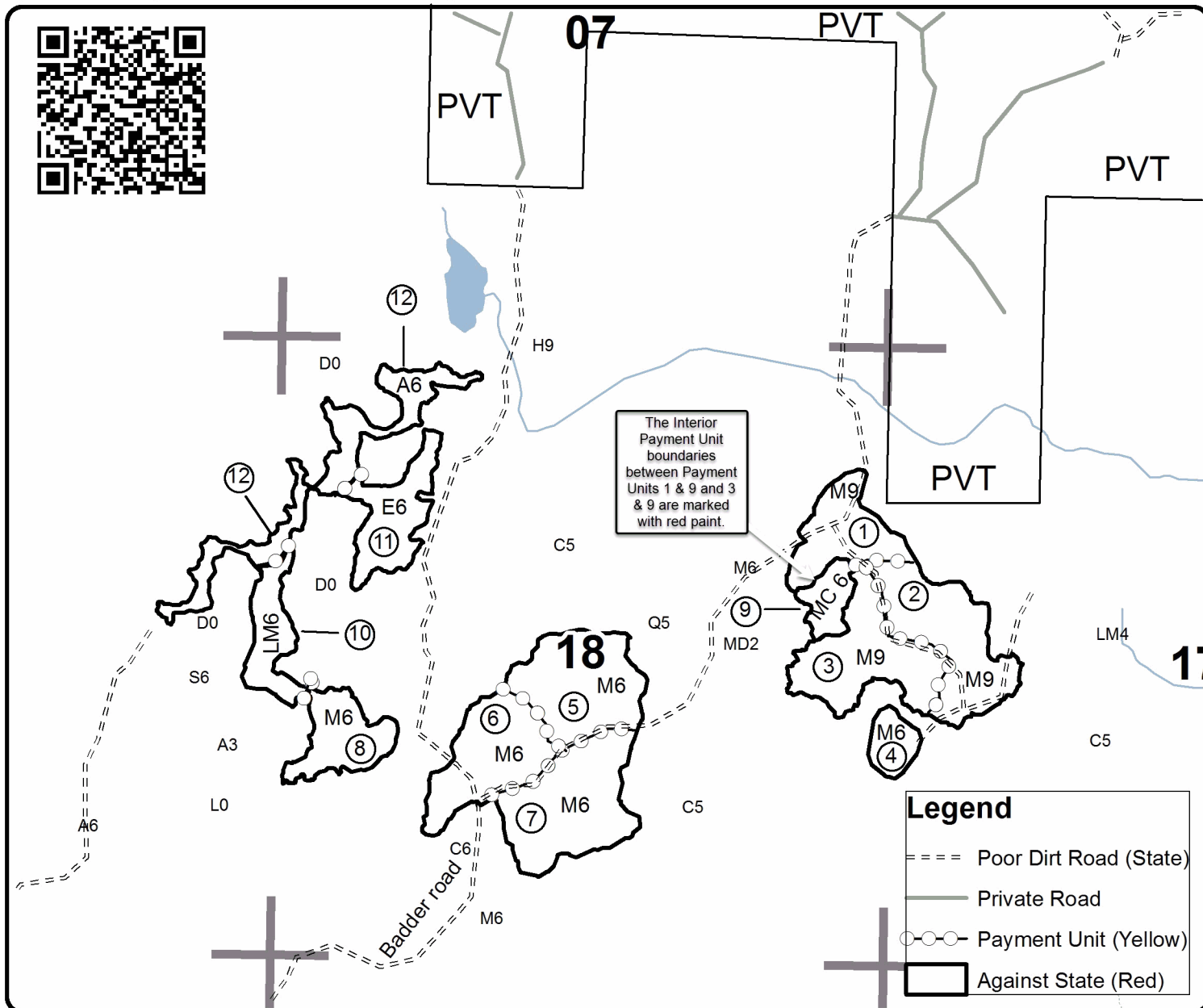
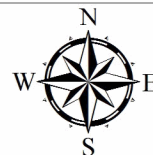
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	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	PU	Acres	PU	Acres
1)	12	4)	4.3	7)	21.1	10)	8.2
2)	20	5)	19.3	8)	10	11)	11.6
3)	18.5	6)	16.9	9)	4.9	12)	16.2

The Lone Oak

Compartment 5

163 Acres



The Interior Payment Unit boundaries between Payment Units 1 & 9 and 3 & 9 are marked with red paint.

Legend	
====	Poor Dirt Road (State)
—	Private Road
○—○	Payment Unit (Yellow)
□	Against State (Red)

TIMBER SALE INFORMATION

Mangum Central Maple (32-024-23)

T47N, R23W, SEC. 13; T47N, R23W, SEC. 23; T47N, R23W, SEC. 24; T47N, R23W, SEC. 25.
Marquette County (Advertised Price \$160,047.15)

SALE NOTE: A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.

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	13.3 MBF	\$ 37.00 / MBF
Red Maple	513.6 MBF	\$ 85.00 / MBF
Sugar Maple	426.2 MBF	\$ 172.00 / MBF
White Ash	8.6 MBF	\$ 69.00 / MBF
Pulpwood		
Balsam Fir	281 Cords	\$ 11.45 / Cord
Basswood	18 Cords	\$ 11.45 / Cord
Mixed Aspen	82 Cords	\$ 22.95 / Cord
Mixed Hardwood	3,072 Cords	\$ 11.75 / Cord
Mixed Spruce	49 Cords	\$ 12.20 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 8.05 percent. There are an estimated 6,018 cords on this timber sale, plus or minus 485 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 \$8,002.00 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	8.0%
02	9.6%
03	14.1%
04	13.0%
05	10.1%
06	10.9%
07	9.7%
08	18.4%
09	6.2%
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
475,459	6,018	8.05%	5,534	6,503

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
3	438,182	5,547	8.57%	5,071	6,022
4	37,277	472	23.66%	360	583
TOTAL:	475,459	6,018		5,432	6,605

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
3	315.5	1	26.8
		2	32.2
		3	47.4
		4	43.6
		5	33.9
		6	36.5
		7	32.8
		8	62.3
4	27.4	9	27.4
TOTAL:	342.9		342.9

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
1	Basswood	Sawtimber	1.1	MBF	26.8	\$12,758.00	
	Red Maple		41.8	MBF			
	Sugar Maple		34.2	MBF			
	White Ash		0.7	MBF			
	Balsam Fir		Pulpwood	21			Cords
	Basswood			2			Cords
	Mixed Aspen			7			Cords
	<i>Balsam Poplar</i>			1			Cords
	<i>Quaking Aspen</i>			6			Cords
	Mixed Hardwood			236			Cords
	<i>Ironwood</i>			3			Cords
	<i>Red Maple</i>			120			Cords
	<i>Sugar Maple</i>			112			Cords
	<i>White Ash</i>			1			Cords
	Mixed Spruce			3			Cords
	<i>White Spruce</i>			3			Cords
2	Basswood	Sawtimber		1.4	MBF	32.2	\$15,316.90
	Red Maple			50.2	MBF		
	Sugar Maple			41.1	MBF		
	White Ash		0.9	MBF			
	Balsam Fir		Pulpwood	25	Cords		
	Basswood			2	Cords		
	Mixed Aspen			8	Cords		
	<i>Balsam Poplar</i>			1	Cords		
	<i>Quaking Aspen</i>			7	Cords		
	Mixed Hardwood			283	Cords		
	<i>Ironwood</i>			3	Cords		
	<i>Red Maple</i>			145	Cords		
	<i>Sugar Maple</i>			134	Cords		
	<i>White Ash</i>			1	Cords		
	Mixed Spruce			4	Cords		
	<i>White Spruce</i>			4	Cords		
3	Basswood	Sawtimber		2.0	MBF	47.4	\$22,580.50
	Red Maple			73.9	MBF		
	Sugar Maple			60.5	MBF		
	White Ash		1.3	MBF			
	Balsam Fir		Pulpwood	37	Cords		
	Basswood			3	Cords		
	Mixed Aspen			13	Cords		
	<i>Balsam Poplar</i>			2	Cords		
	<i>Quaking Aspen</i>			11	Cords		
	Mixed Hardwood			417	Cords		
	<i>Ironwood</i>			5	Cords		
	<i>Red Maple</i>			213	Cords		
	<i>Sugar Maple</i>			198	Cords		
	<i>White Ash</i>			1	Cords		
	Mixed Spruce			6	Cords		
	<i>White Spruce</i>			6	Cords		
4	Basswood	Sawtimber		1.8	MBF	43.6	\$20,765.40
	Red Maple			68.0	MBF		
	Sugar Maple			55.6	MBF		
	White Ash		1.2	MBF			
	Balsam Fir		Pulpwood	34	Cords		
	Basswood			2	Cords		
	Mixed Aspen			12	Cords		
	<i>Balsam Poplar</i>			2	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
8	Basswood	Sawtimber	2.7	MBF	62.3	\$29,612.05
	Red Maple		97.0	MBF		
	Sugar Maple	79.5	MBF			
	White Ash	1.7	MBF			
	Balsam Fir	Pulpwood	50	Cords		
	Basswood		3	Cords		
	Mixed Aspen		16	Cords		
	<i>Balsam Poplar</i>		3	<i>Cords</i>		
	<i>Quaking Aspen</i>		13	<i>Cords</i>		
	Mixed Hardwood		544	Cords		
	<i>Ironwood</i>		6	<i>Cords</i>		
	<i>Red Maple</i>		279	<i>Cords</i>		
	<i>Sugar Maple</i>		259	<i>Cords</i>		
	Mixed Spruce		9	Cords		
<i>White Spruce</i>	9	<i>Cords</i>				
9	Red Maple	Sawtimber	21.9	MBF	27.4	\$9,950.40
	Sugar Maple		23.7	MBF		
	Balsam Fir	Pulpwood	32	Cords		
	Mixed Hardwood		302	Cords		
	<i>Red Maple</i>		85	<i>Cords</i>		
	<i>Sugar Maple</i>		217	<i>Cords</i>		
	Mixed Spruce		8	Cords		
	<i>White Spruce</i>		8	<i>Cords</i>		
TOTAL:			961.7	MBF		
TOTAL:			3,503	Cords		

Sale Specific Conditions & Requirements

Sale Name: Mangum Central Maple

Sale Number: 32-024-23 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 red and yellow 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

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

Within Payment Unit(s) 1-9, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. Additionally, cut all merchantable spruce, balsam fir, and aspen.

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 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 (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.

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) 1-9, unless changed by written agreement, cutting, skidding, and hauling are limited to frozen conditions. This restriction is because the Sale Area is designated as a deer wintering complex. Contact the Sale Administrator to assess permissible operation conditions.

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 Mangum 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 Mangum 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. 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

32-024-23

Date

09/28/2023

Forest Management Unit

Gwinn Mgt Unit

County

Marquette

Mapped By: Christian Gabler

Cruised By: Contractor/Pete Holodnick

Scale

1:15,840

Page

1

Of

1

Township
47N

Range
23W

Section(s) and
Subdivision(s)

Sec. 13 SESW,SWSE; Sec. 23 SE; Sec. 24 NENW,S1/2NW,NE,SW,N1/2SE; Sec. 25 N1/2NW

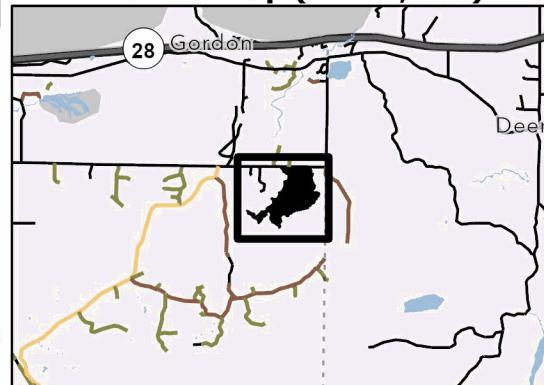
Cover Type

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

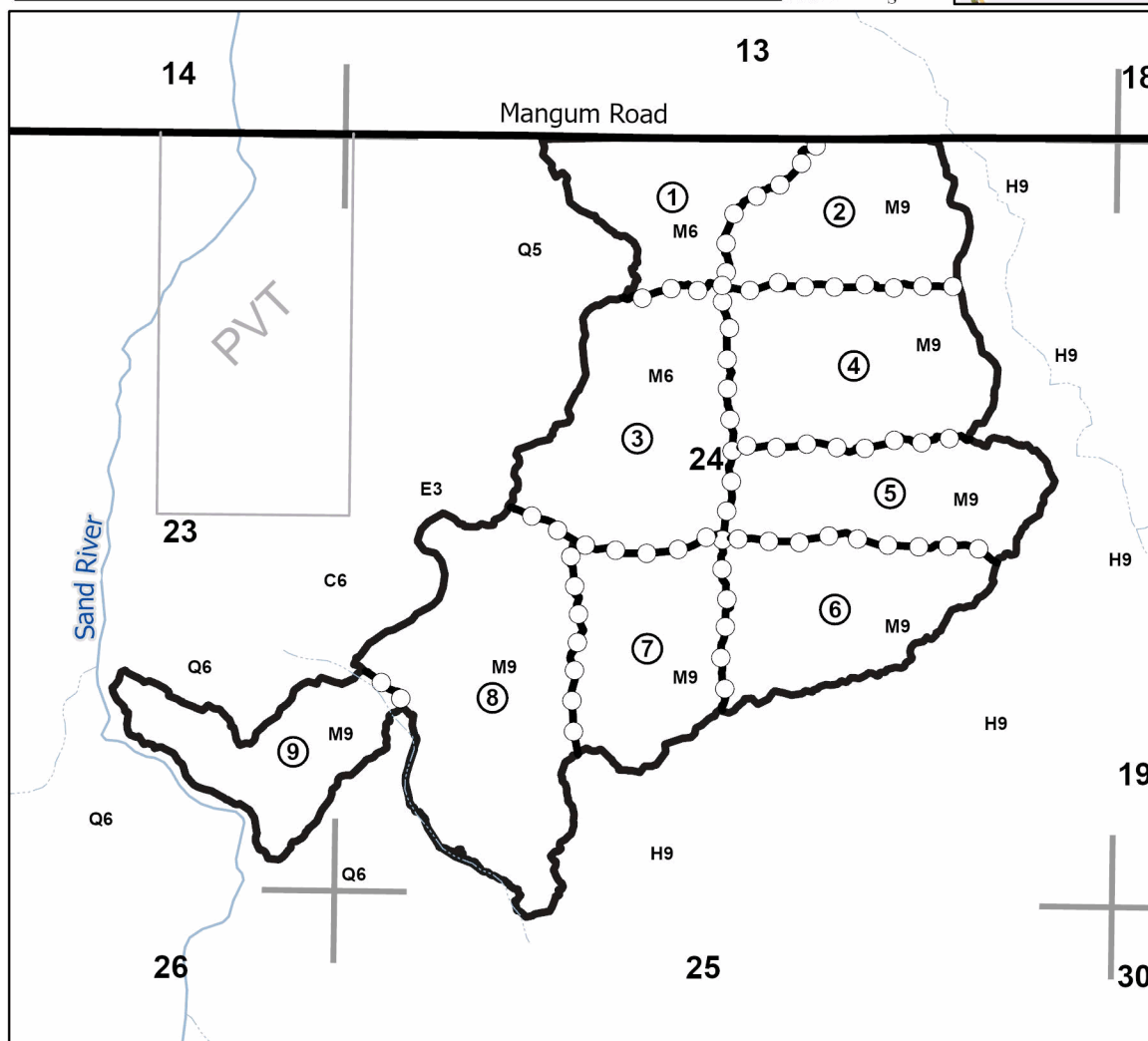
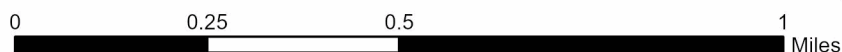
Locator Map (1:200,000)



PU #	Acres	PU #	Acres
1	26.8	6	36.5
2	32.2	7	32.8
3	47.4	8	62.3
4	43.6	9	27.4
5	33.9		

Mangum Central Maple

342.9 Acres



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Intermittent Stream
- Perennial River
- Mangum Road (County)
- Section Corner

Use QR Code to open Map in App



TIMBER SALE INFORMATION

Mangum East Maple (32-025-23)

T47N, R22W, SEC. 19; T47N, R22W, SEC. 30; T47N, R23W, SEC. 24.
Alger County (Advertised Price \$52,824.35)

SALE NOTE: A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.

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	3.4 MBF	\$ 37.00 / MBF
Red Maple	246.0 MBF	\$ 85.00 / MBF
Sugar Maple	66.0 MBF	\$ 172.00 / MBF
Pulpwood		
Balsam Fir	133 Cords	\$ 11.45 / Cord
Basswood	2 Cords	\$ 11.45 / Cord
Mixed Hardwood	1,588 Cords	\$ 11.75 / Cord
Mixed Spruce	19 Cords	\$ 12.20 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.87 percent. There are an estimated 2,534 cords on this timber sale, plus or minus 326 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 \$2,641.00 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	10.3%
02	10.9%
03	42.8%
04	24.0%
05	12.0%
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
200,161	2,534	12.87%	2,207	2,860

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.

VDU	VOLUME		PERCENT ERROR	RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
3	20,891	264	41.43%	155	374
5	30,115	381	43.08%	217	545
6	149,155	1,888	14.98%	1,605	2,171
TOTAL:	200,161	2,534		1,977	3,090

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
3	18.3	1	18.3
5	21.7	5	21.7
6	112.2	2	15.7
		3	61.9
		4	34.6
TOTAL:	152.2		152.2

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
1	Basswood	Sawtimber	3.4	MBF	18.3	\$5,449.70	
	Red Maple		36.9	MBF			
	Sugar Maple		4.1	MBF			
	Balsam Fir		Pulpwood	45			Cords
	Basswood			2			Cords
	Mixed Hardwood			71			Cords
	<i>Red Maple</i>			52			<i>Cords</i>
	<i>Sugar Maple</i>			19			<i>Cords</i>
	Mixed Spruce			9			Cords
	<i>White Spruce</i>			9			<i>Cords</i>
2	Red Maple	Sawtimber		25.1	MBF	15.7	\$5,753.50
	Sugar Maple		8.7	MBF			
	Balsam Fir		Pulpwood	12	Cords		
	Mixed Hardwood			168	Cords		
	<i>Beech</i>			1	<i>Cords</i>		
	<i>Red Maple</i>			94	<i>Cords</i>		
	<i>Sugar Maple</i>			73	<i>Cords</i>		
	Mixed Spruce			1	Cords		
	<i>White Spruce</i>			1	<i>Cords</i>		
	3			Red Maple	Sawtimber		
Sugar Maple		34.1	MBF				
Balsam Fir		Pulpwood	47	Cords			
Mixed Hardwood			660	Cords			
<i>Beech</i>			4	<i>Cords</i>			
<i>Red Maple</i>			369	<i>Cords</i>			
<i>Sugar Maple</i>			287	<i>Cords</i>			
Mixed Spruce			6	Cords			
<i>White Spruce</i>			6	<i>Cords</i>			
4			Red Maple	Sawtimber		55.3	MBF
	Sugar Maple	19.1	MBF				
	Balsam Fir	Pulpwood	27		Cords		
	Mixed Hardwood		369		Cords		
	<i>Beech</i>		2		<i>Cords</i>		
	<i>Red Maple</i>		206		<i>Cords</i>		
	<i>Sugar Maple</i>		161		<i>Cords</i>		
	Mixed Spruce		3		Cords		
	<i>White Spruce</i>		3		<i>Cords</i>		
	5		Red Maple		Sawtimber	29.9	MBF
Balsam Fir		Pulpwood	2	Cords			
Mixed Hardwood			320	Cords			
<i>Red Maple</i>			320	<i>Cords</i>			
TOTAL:			315.4	MBF			
TOTAL:			1,742	Cords			

Sale Specific Conditions & Requirements

Sale Name: Mangum East Maple

Sale Number: 32-025-23 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 property are marked with blue paint, with the exception of the western boundary of Payment Unit 5, which is marked with red paint (see Timber Sale Map). 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

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

Within Payment Unit(s) 1-5, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. Additionally, cut all merchantable spruce, balsam fir and aspen.

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 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 (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.

4.2 - 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 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 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) 1-5, unless changed by written agreement, cutting, skidding, and hauling are limited to frozen conditions. This restriction is because the Sale Area is designated as a deer wintering complex. Contact the Sale Administrator to assess permissible operation conditions.

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.

5.2.40 - Pathway protection (10/10)

The North Country Trail is a recreation trail and is shown on the Timber Sale Map. Do not cut trees or damage posts with blue pathway markers. Maintain a 20-foot-wide slash, debris, and rut free zone daily, using the pathway as the centerline. Do not run equipment down the pathway. Skidding across the trail may only occur in locations approved by the Sale Administrator.

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 Mangum 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.

6.2.3 - Recreational trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the North Country Trail at appropriate distances from the Sale Area prior to beginning operations. The trail must be posted to warn of logging activity and truck traffic at both ends of the trail. Signs must be removed when harvest operations are suspended or completed.

7 - Other Conditions

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

32-025-23

Date

09/28/2023

Forest Management Unit

Gwinn Mgt Unit

County

Alger

Mapped By: Christian Gabler

Cruised By: Contractor/Pete Holodnick

Scale

1:15,840

Page

1

Of

1

Township
47N

Range
22W /

Section(s) and
Subdivision(s)

Sec. 19 NW,W1/2NE,N1/2SW,SESW,SWSE; Sec. 24 E1/2NE,E1/2SE; Sec. 30 NENW,NWNE;

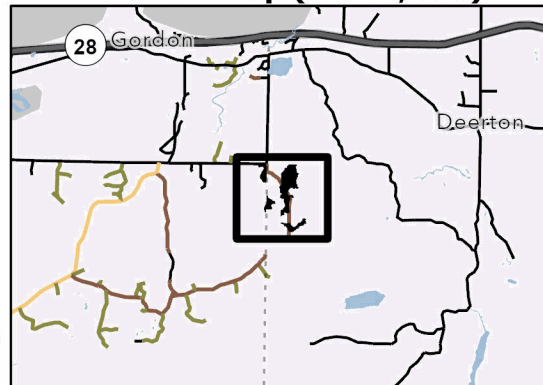
Cover Type

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

Locator Map (1:200,000)

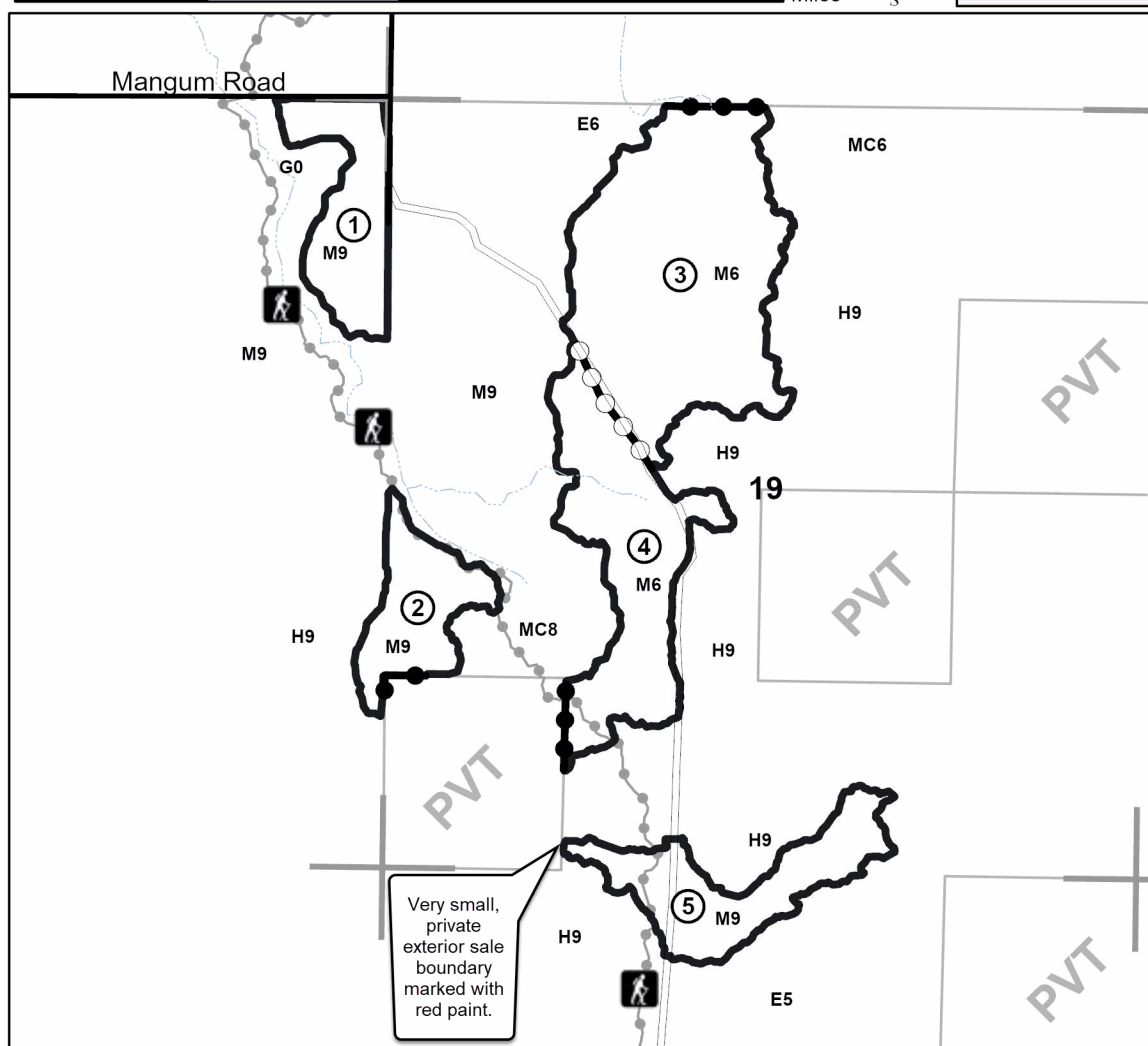
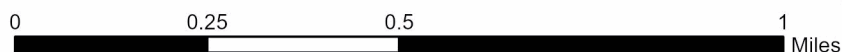


PU # Acres

1	18.3
2	15.7
3	61.9
4	34.6
5	21.7

Mangum East Maple

152.2 Acres



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Recreational Trail
- Intermittent Stream
- Mangum Road
- Sand River Road

Use QR Code to open Map in App



The Lone Oak (32-023-23)

T44N, R23W, SEC. 17; T44N, R23W, SEC. 18; T44N, R24W, SEC. 13; Marquette

In response to the notice of sale to be held 2:00 p.m. (local time) on September 3, 2024, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Basswood	39.1 MBF	\$ 37.00/MBF	\$ _____
Paper Birch	0.7 MBF	\$ 79.00/MBF	\$ _____
Red Maple	148.3 MBF	\$ 85.00/MBF	\$ _____
Sugar Maple	102.4 MBF	\$ 172.00/MBF	\$ _____
Pulpwood			
Balsam Fir	197 Cords	\$ 11.45/Cord	\$ _____
Basswood	18 Cords	\$ 11.45/Cord	\$ _____
Mixed Aspen	478 Cords	\$ 22.95/Cord	\$ _____
Mixed Hardwood	1,416 Cords	\$ 11.75/Cord	\$ _____
Mixed Spruce	160 Cords	\$ 12.20/Cord	\$ _____
Paper Birch	110 Cords	\$ 16.15/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 19.73 percent at 95% confidence level. These estimated volumes 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.

I understand that any or all bids may be rejected. All bids must be signed and all bid items must be bid or the bid form may be rejected. I also understand that consideration and awarding a contract will be based upon my past performance and ability to complete the contract based upon equipment and staffing subject to my control.

FEDERAL ID: _____ or SOCIAL SECURITY NUMBER: _____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

IF AVAILABLE, PLEASE PLACE THE PERSONALIZED LABEL FROM YOUR PROSPECTUS IN THE ABOVE BOX.

Individual or company representative's signature: _____ Date: _____

Phone number : _____ Email (optional): _____

THE WINNING BIDDER MUST COMPLETE THE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE (ON REVERSE SIDE IF DOUBLE SIDED) WITHIN 21 DAYS OF SALE AWARD DATE



FOR DEPARTMENT USE ONLY	
Sale Number (XX - XXX - XX - XX)	
Forest Management Unit:	

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

As required by Act 317, P.A. 1969 (Worker's Compensation) and
Part 5 of Act 451 of 1994, as amended.

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

- This verification must be completed and submitted within 21 days of contract award and prior to the issuance of the timber sale contract.
- In addition, if boxes 2B or 2C are checked, then Notice of Exclusion or Certificate of Insurance must be submitted within twenty-one (21) days of the contract award and prior to the issuance of the timber sale contract.
- All information must be typed or printed except for written signatures.

Please Check Appropriate Categories:

1. My business is organized as (you **must** check one of the boxes below):
 - A. Sole Proprietorship (individual)
 - B. Partnership
 - C. Corporation
2. You **must** check one of the boxes below:
 - A. I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.
 - B. I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
 - C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

_____ Full-time Employees

_____ Part-time Employees

Name of Business		Federal ID (or) Social Security No.	
Address		Telephone ()	
City	State	ZIP	

I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.

Signature of Owner or Authorized Representative

Title

Date

Please complete the "SEALED BID" information on the next page

Mangum Central Maple (32-024-23)
T47N, R23W, SEC. 13; T47N, R23W, SEC. 23; T47N, R23W, SEC. 24; T47N,

In response to the notice of sale to be held 2:00 p.m. (local time) on September 3, 2024, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Basswood	13.3 MBF	\$ 37.00/MBF	\$ _____
Red Maple	513.6 MBF	\$ 85.00/MBF	\$ _____
Sugar Maple	426.2 MBF	\$ 172.00/MBF	\$ _____
White Ash	8.6 MBF	\$ 69.00/MBF	\$ _____
Pulpwood			
Balsam Fir	281 Cords	\$ 11.45/Cord	\$ _____
Basswood	18 Cords	\$ 11.45/Cord	\$ _____
Mixed Aspen	82 Cords	\$ 22.95/Cord	\$ _____
Mixed Hardwood	3,072 Cords	\$ 11.75/Cord	\$ _____
Mixed Spruce	49 Cords	\$ 12.20/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 8.05 percent at 95% confidence level. These estimated volumes 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.

I understand that any or all bids may be rejected. All bids must be signed and all bid items must be bid or the bid form may be rejected. I also understand that consideration and awarding a contract will be based upon my past performance and ability to complete the contract based upon equipment and staffing subject to my control.

FEDERAL ID: ____ - ____ - ____ or SOCIAL SECURITY NUMBER: ____ - ____ - ____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

IF AVAILABLE, PLEASE PLACE THE PERSONALIZED LABEL FROM YOUR PROSPECTUS IN THE ABOVE BOX.

Individual or company representative's signature: _____ Date: _____

Phone number : _____ Email (optional): _____

THE WINNING BIDDER MUST COMPLETE THE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE (ON REVERSE SIDE IF DOUBLE SIDED) WITHIN 21 DAYS OF SALE AWARD DATE



FOR DEPARTMENT USE ONLY	
Sale Number (XX - XXX - XX - XX)	
Forest Management Unit:	

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

As required by Act 317, P.A. 1969 (Worker's Compensation) and
Part 5 of Act 451 of 1994, as amended.

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

- This verification must be completed and submitted within 21 days of contract award and prior to the issuance of the timber sale contract.
- In addition, if boxes 2B or 2C are checked, then Notice of Exclusion or Certificate of Insurance must be submitted within twenty-one (21) days of the contract award and prior to the issuance of the timber sale contract.
- All information must be typed or printed except for written signatures.

Please Check Appropriate Categories:

1. My business is organized as (you **must** check one of the boxes below):
 - A. Sole Proprietorship (individual)
 - B. Partnership
 - C. Corporation
2. You **must** check one of the boxes below:
 - A. I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.
 - B. I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
 - C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

_____ Full-time Employees

_____ Part-time Employees

Name of Business		Federal ID (or) Social Security No.	
Address		Telephone ()	
City	State	ZIP	

I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.

Signature of Owner or Authorized Representative

Title

Date

Please complete the "SEALED BID" information on the next page

Mangum East Maple (32-025-23)
T47N, R22W, SEC. 19; T47N, R22W, SEC. 30; T47N, R23W, SEC. 24; Alger

In response to the notice of sale to be held 2:00 p.m. (local time) on September 3, 2024, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Basswood	3.4 MBF	\$ 37.00/MBF	\$ _____
Red Maple	246.0 MBF	\$ 85.00/MBF	\$ _____
Sugar Maple	66.0 MBF	\$ 172.00/MBF	\$ _____
Pulpwood			
Balsam Fir	133 Cords	\$ 11.45/Cord	\$ _____
Basswood	2 Cords	\$ 11.45/Cord	\$ _____
Mixed Hardwood	1,588 Cords	\$ 11.75/Cord	\$ _____
Mixed Spruce	19 Cords	\$ 12.20/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 12.87 percent at 95% confidence level. These estimated volumes 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.

I understand that any or all bids may be rejected. All bids must be signed and all bid items must be bid or the bid form may be rejected. I also understand that consideration and awarding a contract will be based upon my past performance and ability to complete the contract based upon equipment and staffing subject to my control.

FEDERAL ID: _____ or SOCIAL SECURITY NUMBER: _____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

IF AVAILABLE, PLEASE PLACE THE PERSONALIZED LABEL FROM YOUR PROSPECTUS IN THE ABOVE BOX.

Individual or company representative's signature: _____ Date: _____

Phone number : _____ Email (optional): _____

THE WINNING BIDDER MUST COMPLETE THE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE (ON REVERSE SIDE IF DOUBLE SIDED) WITHIN 21 DAYS OF SALE AWARD DATE



FOR DEPARTMENT USE ONLY
Sale Number (XX - XXX - XX - XX)
Forest Management Unit:

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

*As required by Act 317, P.A. 1969 (Worker's Compensation) and
Part 5 of Act 451 of 1994, as amended.*

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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 - B. I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
 - C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

_____ Full-time Employees

_____ Part-time Employees

Name of Business		Federal ID (or) Social Security No.	
Address		Telephone ()	
City	State	ZIP	

I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.

Signature of Owner or Authorized Representative

Title

Date

Please complete the "SEALED BID" information on the next page

Snowtrekker Spruce (32-011-23)

T45N, R28W, SEC. 4; T45N, R28W, SEC. 5; T45N, R28W, SEC. 8; Marquette

In response to the notice of sale to be held 2:00 p.m. (local time) on September 3, 2024, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Pulpwood			
Balsam Fir	3 Cords	\$ 10.85/Cord	\$ _____
Black Spruce	2,377 Cords	\$ 11.55/Cord	\$ _____
Jack Pine	52 Cords	\$ 34.20/Cord	\$ _____
Paper Birch	26 Cords	\$ 15.30/Cord	\$ _____
Tamarack	695 Cords	\$ 13.65/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 12.26 percent at 95% confidence level. These estimated volumes 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.

I understand that any or all bids may be rejected. All bids must be signed and all bid items must be bid or the bid form may be rejected. I also understand that consideration and awarding a contract will be based upon my past performance and ability to complete the contract based upon equipment and staffing subject to my control.

FEDERAL ID: _____ - _____ or SOCIAL SECURITY NUMBER: _____ - _____ - _____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

IF AVAILABLE, PLEASE PLACE THE PERSONALIZED LABEL FROM YOUR PROSPECTUS IN THE ABOVE BOX.

Individual or company representative's signature: _____ Date: _____

Phone number : _____ Email (optional): _____

THE WINNING BIDDER MUST COMPLETE THE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE (ON REVERSE SIDE IF DOUBLE SIDED) WITHIN 21 DAYS OF SALE AWARD DATE



FOR DEPARTMENT USE ONLY	
Sale Number (XX - XXX - XX - XX)	
Forest Management Unit:	

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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 - C. Corporation
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 - B. I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
 - C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
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_____ Full-time Employees

_____ Part-time Employees

Name of Business		Federal ID (or) Social Security No.	
Address		Telephone ()	
City	State	ZIP	

I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.

Signature of Owner or Authorized Representative

Title

Date

Please complete the "SEALED BID" information on the next page