



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7206**

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on March 20, 2023.

LOCATION: GRAYLING MGMT UNIT, 1955 HARTWICK PINES ROAD, GRAYLING, MI 49738.

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

Total Red Case (72-623-22) / T27N, R02W, SEC. 1 , SWNW,NWSW.
T27N, R02W, SEC. 2 , SENW,NE,NESW,S1/2SW,N1/2SE.
T27N, R02W, SEC. 2 , SWSE.
Crawford County, Advertised Price \$145,391.00, 131.8 Acres, Hardwood, Aspen.

SALE NOTE: Sale is non-certified on military lands.

Oh No Oak (72-631-22) / T27N, R02W, SEC. 2 , S1/2SW.
T27N, R02W, SEC. 3 , N1/2NW,SWNW.
T28N, R02W, SEC. 34, SESW.
Crawford County, Advertised Price \$56,756.40, 64.0 Acres, Hardwood, Aspen.

SALE NOTE: Oak Wilt and Military restrictions are in place for the sale area. A small portion of Payment Unit 1 is adjacent to Snowmobile Trail LP 4_7. Good access and good operating terrain. Payment Unit 1 can be accessed from the snowmobile trail (Lewiston Grade Rd) off of Wakeley Bridge Rd. The sale does fall within the MPRC Range safety fan.

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.

Peters Rd JP (72-633-21) / T27N, R03W, SEC. 23, SWNW,W1/2SW.
Crawford County, Advertised Price \$8,463.00, 23.5 Acres, Jack Pine.

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

- See sale spec 5.2.3.4 for information of oak wilt restrictions.

- See sale spec 7.5.1 for information on declining jack pine.

The sale is on lands used for Military training. There is regen and residual that must be worked around and protected.

Saw Belt Mix (72-635-21) / T26N, R04W, SEC. 31, NENE.

T26N, R04W, SEC. 32, N1/2NW,NWNE,E1/2SE.

T26N, R04W, SEC. 33, N1/2SE.

T26N, R04W, SEC. 33, NENW,S1/2NW,NWNE,S1/2NE,NWSW.

Crawford County, Advertised Price \$163,764.95, 162.8 Acres, Hardwood, Red Oak.

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

- See sale spec 5.2.3.7 for information on military timing restrictions.
- See sale spec 5.2.3.5 for information on oak wilt restrictions.
- See sale specs 2.2.2 and 2.2.3 for information on stump height and chipping requirements.
- See sale spec 6.4 for information on potential unexploded ordinances.

Sale is located on short term military leased land near Camp Grayling. Payment Units 4 and 5 are within the Camp Grayling ammo supply point potential explosive safety arc.

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

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

Bids must be received by the Unit Manager, GRAYLING OFFICE, 1955 HARTWICK PINES ROAD, GRAYLING, MI 49738, no later than 9:00 a.m. (local time) on March 20, 2023. For further information concerning this sale, contact Thomas Barnes at 989-348-6371 extension 7440.

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.

SHANNON LOTT, Acting
Director

TIMBER SALE INFORMATION

Total Red Case (72-623-22)
T27N, R02W, SEC. 1; T27N, R02W, SEC. 2.
Crawford County (Advertised Price \$145,391.00)

SALE NOTE: Sale is non-certified on military lands.

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		
B. T. Aspen	120.6 MBF	\$ 83.00 / MBF
Bl/R/Hybrid Oak	562.3 MBF	\$ 141.00 / MBF
Red Maple	6.0 MBF	\$ 75.00 / MBF
White Oak	43.0 MBF	\$ 79.00 / MBF
Pulpwood		
B. T. Aspen	183 Cords	\$ 26.95 / Cord
Mixed Oak	1,397 Cords	\$ 28.15 / Cord
Red Maple	278 Cords	\$ 28.75 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 13.66 percent. There are an estimated 3,826 cords on this timber sale, plus or minus 523 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 \$7,270.00 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	32.6%
02	16.7%
03	14.5%
04	14.7%
05	21.5%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2025.

SALE STATISTICS

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
302,222	3,826	13.66%	3,303	4,348

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
31	302,222	3,826	13.66%	3,303	4,348
TOTAL:	302,222	3,826		3,303	4,348

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
31	131.8	1	42.9
		2	22.0
		3	19.1
		4	19.4
		5	28.4
TOTAL:	131.8		131.8

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	39.2	MBF	42.9	\$47,305.55
	BI/R/Hybrid Oak		182.9	MBF		
	Red Maple		1.9	MBF		
	White Oak		14.0	MBF		
	B. T. Aspen	Pulpwood	59	Cords		
	Mixed Oak		455	Cords		
	<i>BI/R/Hybrid Oak</i>		350	<i>Cords</i>		
	<i>White Oak</i>		105	<i>Cords</i>		
	Red Maple		91	Cords		
2	B. T. Aspen	Sawtimber	20.1	MBF	22.0	\$24,268.90
	BI/R/Hybrid Oak		93.9	MBF		
	Red Maple		1.0	MBF		
	White Oak		7.2	MBF		
	B. T. Aspen	Pulpwood	31	Cords		
	Mixed Oak		233	Cords		
	<i>BI/R/Hybrid Oak</i>		179	<i>Cords</i>		
	<i>White Oak</i>		54	<i>Cords</i>		
	Red Maple		46	Cords		
3	B. T. Aspen	Sawtimber	17.5	MBF	19.1	\$21,093.40
	BI/R/Hybrid Oak		81.5	MBF		
	Red Maple		0.9	MBF		
	White Oak		6.2	MBF		
	B. T. Aspen	Pulpwood	27	Cords		
	Mixed Oak		203	Cords		
	<i>BI/R/Hybrid Oak</i>		156	<i>Cords</i>		
	<i>White Oak</i>		47	<i>Cords</i>		
	Red Maple		40	Cords		
4	B. T. Aspen	Sawtimber	17.8	MBF	19.4	\$21,394.55
	BI/R/Hybrid Oak		82.8	MBF		
	Red Maple		0.9	MBF		
	White Oak		6.3	MBF		
	B. T. Aspen	Pulpwood	27	Cords		
	Mixed Oak		205	Cords		
	<i>BI/R/Hybrid Oak</i>		158	<i>Cords</i>		
	<i>White Oak</i>		47	<i>Cords</i>		
	Red Maple		41	Cords		
5	B. T. Aspen	Sawtimber	26.0	MBF	28.4	\$31,328.60
	BI/R/Hybrid Oak		121.2	MBF		
	Red Maple		1.3	MBF		
	White Oak		9.3	MBF		
	B. T. Aspen	Pulpwood	39	Cords		
	Mixed Oak		301	Cords		
	<i>BI/R/Hybrid Oak</i>		232	<i>Cords</i>		
	<i>White Oak</i>		69	<i>Cords</i>		
	Red Maple		60	Cords		
TOTAL:			731.9	MBF		
TOTAL:			1,858	Cords		

Sale Specific Conditions & Requirements

Sale Name: Total Red Case

Sale Number: 72-623-22 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary is marked and identified by red paint. Exterior sale boundary lines against state are marked with red paint. The painted boundary line trees are not Included Timber and are to be protected.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1, 2, 3, 4, and 5, cut all trees that are two (2) inches or more at DBH.

2.1.14 - Dead oak (1/15)

Dead oak (defined as loose bark and no live branches) may be cut throughout the sale area. If cut, it must be skidded and piled separately on the landing. The sale administrator will measure the dead oak and the wood cannot be hauled prior to scaling. The Purchaser will be invoiced at \$10.00 per cord. The contractor has 30 days to pay from the date of the invoice.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

This area must be chip harvested to meet National Guard requirements. However, the chipping requirement could be waived with military approval, if chip markets are depressed. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter does not apply (G. C. & R. 2.2). This is because non-certified military lands.

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 6 inches for all trees. This is in order to facilitate military requirements.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

4 - Transportation

4.1 - Construction

4.1.3 - Slash and earthen piles (8/04)

Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road maintenance or construction, including stumps, shall be chipped, utilized or otherwise removed from the sale.

4.1.4 - Timber removed for construction (12/09)

Trees cut or damaged in the process of pre-approved road, landing or skid trail construction will be decked in an area separate from other Designated Timber and not removed until measured by the sale administrator. Payment will be made at the specified Purchase Unit Price.

4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be chipped, utilized or otherwise removed from the sale. 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. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the sale administrator for specific details of design and placement.

4.1.11 - Permits (2/12)

The Purchaser will secure any necessary permits that may be required.

5 - Operations

5.1 - Notification

5.1.5 - National Guard notification (2/15)

This sale is upon lands utilized for training by the Michigan National Guard - Camp Grayling. A minimum of five (5) business days prior to opening this sale, the producer must request that the sale administrator contact the military for information regarding training plans that may impact sale operations.

5.2 - Conduct of Operations

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

5.2.3 - Operating Restrictions

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 1, 2, 3, 4, and 5, unless changed by written agreement, cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. Operations may be allowed if specific steps are taken to prevent damaging uncut oak during the high risk period. Those steps may include completing all road brushing before April 15th and clearing a tree-length buffer along uncut oak cover before April 15th. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

5.2.3.7 - National Guard training restriction (1/09)

Operations on this contract may not be allowed during National Guard training operations. Typically, the restricted period is from May 1 to October 31. The Purchaser must check with the Unit Manager who will coordinate the cutting schedule with the Military. All harvest equipment and timber products must be removed from the sale area during the period of May 1 to October 31, unless otherwise approved by the Unit Manager.

5.2.4 - Dead and Down Creation

5.2.4.4 - Dead and down creation, grouse (6/18)

To encourage grouse and other wildlife, in Payment Unit(s) 1, 2, 3, 4, and 5, leave one 12" or larger diameter (or largest diameter trees within stand) whole tree on the ground for every 2 acres, preferably a hardwood species such as oak or maple or if no hardwoods are present, a pine species (white or red). These trees will be evenly scattered throughout the unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles.

5.2.29 - Shrub protection (1/20)

A reasonable effort should be made to protect from damage hawthorn, witch-hazel, dogwood and juneberry. These woody-shrub plants are highly beneficial to various wildlife species.

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.

5.7 - Protection of Historical Sites

5.7.2 - Potential historical site(s) (9/06)

The State Historic Preservation Office has identified the potential for a historic site within the boundary of this timber sale. Note that if the site is discovered during operations, General Condition and Requirement 5.7 - Protection of Historical Sites will apply.

6 - Safety and Fire Prevention

SKIP

6.4 - Unexploded ordinance (7/15)

Be aware that the sale area could contain UXO (unexploded ordinances). Do not touch, or drive over any metal objects. If any objects are found, please flag the area and notify the Unit Manager or his/her representative, so that they can make arrangements with the Military.

7 - Other Conditions

7.10 - Certified Timber

7.10.1 - Non-certified timber (2/16)

The area encompassed by this timber sale is not certified to the standards of the Forest Stewardship Council (FSC) or the Sustainable Forestry Initiative (SFI). Forest products from this sale may not be delivered to the mill as "FSC and / or SFI certified". The lands within this sale are managed for military training.



TIMBER SALE MAP

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

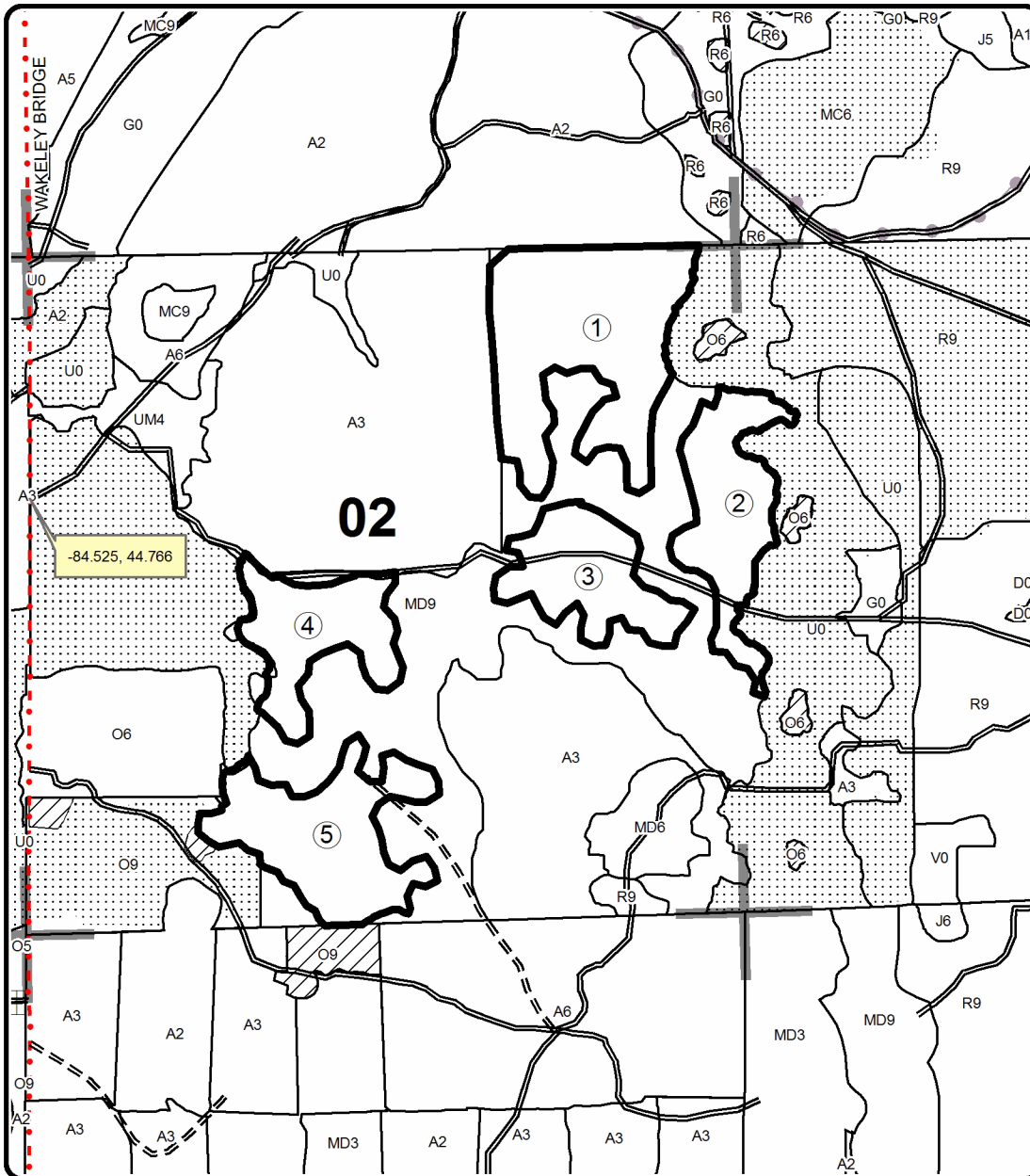
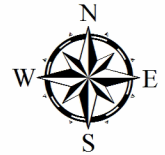
Sale Number	Year
72-623	22

Forest Management Unit	County	Mapped By	Date	Page	of
Grayling	Crawford	Derek Nellis	09/27/2022	1	1
Township	Range	Section(s) and Subdivision(s)	Scale		
27N	02W	SWNW, NWSW sec 1; SWSE, SENW, NE, NESW, S1/2W, N1/2E Sec 2	1:15,840		

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

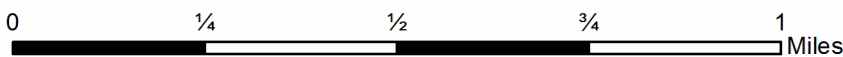
PU	Acres	PU	Acres
1	42.9	5	28.4
4	19.4	3	19.1
2	22.0		

Total Red Case
Compartment 263
131.8 Acres



Legend

- Recreational Trails
- Gate
- Secondary Forest Road
- Forest Access Route
- Gravel Road
- Retention Area
- Against State (Red)
- Stand Boundaries
- Nearby Timber Sale
- 02** Section Numbers
- Section Corners



TIMBER SALE INFORMATION

Oh No Oak (72-631-22)

T27N, R02W, SEC. 2; T27N, R02W, SEC. 3; T28N, R02W, SEC. 34.
Crawford County (Advertised Price \$56,756.40)

SALE NOTE: Oak Wilt and Military restrictions are in place for the sale area. A small portion of Payment Unit 1 is adjacent to Snowmobile Trail LP 4_7. Good access and good operating terrain. Payment Unit 1 can be accessed from the snowmobile trail (Lewiston Grade Rd) off of Wakeley Bridge Rd. The sale does fall within the MPRC Range safety fan.

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		
BI/R/Hybrid Oak	194.1 MBF	\$ 141.00 / MBF
White Oak	17.8 MBF	\$ 79.00 / MBF
Pulpwood		
B. T. Aspen	107 Cords	\$ 26.95 / Cord
Mixed Oak	863 Cords	\$ 28.15 / Cord
Red Maple	28 Cords	\$ 28.75 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 17.72 percent. There are an estimated 1,500 cords on this timber sale, plus or minus 266 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 \$2,838.00 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	64.7%
02	35.3%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2026.

SALE STATISTICS

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
118,539	1,500	17.72%	1,235	1,766

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	70,879	897	24.25%	680	1,115
29	47,660	603	28.35%	432	774
TOTAL:	118,539	1,500		1,112	1,889

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	38.1	1	38.1
29	25.9	2	25.9
TOTAL:	64.0		64.0

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	BI/R/Hybrid Oak	Sawtimber	150.7	MBF	38.1	\$36,743.30
	White Oak		12.2	MBF		
	Mixed Oak	Pulpwood	507	Cords		
	<i>BI/R/Hybrid Oak</i>		445	<i>Cords</i>		
	<i>White Oak</i>		62	<i>Cords</i>		
	Red Maple		9	Cords		
2	BI/R/Hybrid Oak	Sawtimber	43.4	MBF	25.9	\$20,013.10
	White Oak		5.6	MBF		
	B. T. Aspen	Pulpwood	107	Cords		
	<i>B. T. Aspen</i>	<i>Sawtimber</i>	7.4	<i>MBF</i>		
	<i>B. T. Aspen</i>	<i>Pulpwood</i>	92	<i>Cords</i>		
	Mixed Oak		356	Cords		
	<i>BI/R/Hybrid Oak</i>		206	<i>Cords</i>		
	<i>White Oak</i>		150	<i>Cords</i>		
	Red Maple		19	Cords		
	TOTAL:			211.9		
TOTAL:			998	Cords		

Sale Specific Conditions & Requirements

Sale Name: Oh No Oak

Sale Number: 72-631-22 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by red paint. Exterior sale boundary lines against state are marked with red paint. 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. Wakeley Bridge Rd is unpainted and designated as the west boundary for Payment Unit 2.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1, cut all trees that are one (1) inch or more at DBH.

Within Payment Unit(s) 2, cut all trees that are two (2) inches or more at DBH.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

The sale area must be chip harvested to meet National Guard requirements. However, the chipping requirement could be waived with military approval, if chip markets are depressed. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portion of the trees must be chipped and hauled. Products may be produced as roundwood and forwarded to decking areas in final product length, but the tops must be left intact and skidded to the landing for chipping in order to minimize the amount of residual slash. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter does not apply (G. C. & R. 2.2). This is because of Non-Certified lands.

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 6 inches for all trees. This is in order to facilitate military requirements.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 1 & 2, may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

4 - Transportation

4.1 - Construction

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 or be chipped, utilized or otherwise removed from the sale. 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 double earthen berms at strategic locations. Stumps and brush must be placed along the remainder of the trail. These roads must be rendered impassable to cars and

trucks. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. These stumps must be scattered along the road system to prohibit vehicular movement. Contact the sale administrator for specific details of design and placement.

4.1.11 - Permits (2/12)

The Purchaser will secure any necessary permits that may be required.

5 - Operations

5.1 - Notification

5.1.5 - National Guard notification (2/15)

This sale is upon lands utilized for training by the Michigan National Guard - Camp Grayling. A minimum of five (5) business days prior to opening this sale, the producer must request that the sale administrator contact the military for information regarding training plans that may impact sale operations.

5.2 - Conduct of Operations

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

5.2.3 - Operating Restrictions

5.2.3.5 - Oak wilt restriction (1/18)

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

5.2.3.7 - National Guard training restriction (1/09)

Operations on this contract may not be allowed during National Guard training operations. Typically, the restricted period is from May 1 to October 31. The Purchaser must check with the Unit Manager who will coordinate the cutting schedule with the Military.

5.2.4 - Dead and Down Creation

5.2.4.4 - Dead and down creation, grouse (6/18)

To encourage grouse and other wildlife, in Payment Unit(s) 1 & 2, leave one 12" or larger diameter (or largest diameter trees within stand) whole tree on the ground for every 2 acres, preferably a hardwood species such as oak or maple or if no hardwoods are present, a pine species (white or red). These will be evenly scattered throughout the unit. These trees will be evenly scattered throughout the unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles.

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.

5.2.41 - Snowmobile trail protection (9/11)

Snowmobile Trail LP 4_7 is in the vicinity of the timber sale and is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. The road maintenance/restoration must be done prior to December 1. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1st. The snowmobile trail may not be used for any timber sale operations from December 1 to March 31 without written approval of the Unit Manager. If the trail road is to be used for hauling during the snowmobile season, then a snow covered base must

be left on the trail. The snowmobile trail may only be crossed at right angles. Maintain a 20 foot wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 20 feet of the snowmobile trail must be cut at ground level. In addition, any trees cut within 5 feet of the trail must be cut flush at ground level.

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.

5.7 - Protection of Historical Sites

5.7.2 - Potential historical site(s) (9/06)

The State Historic Preservation Office has identified the potential for a historic site within the boundary of this timber sale. Note that if the site is discovered during operations, General Condition and Requirement 5.7 - Protection of Historical Sites will apply.

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 Lewiston Grade Road and Wakeley Bridge 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.

Note: The posting on Wakeley Bridge Rd will only be required when there are active operations in Payment Unit 2.

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on LP 4_7 prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail 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.

SKIP

6.4 - Unexploded ordinance (7/15)

Be aware that the sale area could contain UXO (unexploded ordinances). Do not touch, or drive over any metal objects. If any objects are found, please flag the area and notify the Unit Manager or his/her representative, so that they can make arrangements with the Military.

7 - Other Conditions

7.10 - Certified Timber

7.10.1 - Non-certified timber (2/16)

The area encompassed by this timber sale is not certified to the standards of the Forest Stewardship Council (FSC) or the Sustainable Forestry Initiative (SFI). Forest products from this sale may not be delivered to the mill as "FSC and / or SFI certified". The lands within this sale are managed for military training.



TIMBER SALE MAP

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

Forest Management Unit Grayling	County Crawford	Mapped By Trevor Kubitskey	Date 10/4/2022	Page 1	of 1
Township 27N/28N	Range 02W	Section(s) and Subdivision(s) Sec 2 S1/2SW, Sec 3 N1/2NW,SWNW, Sec 34 SESW	Scale 1:15,840		

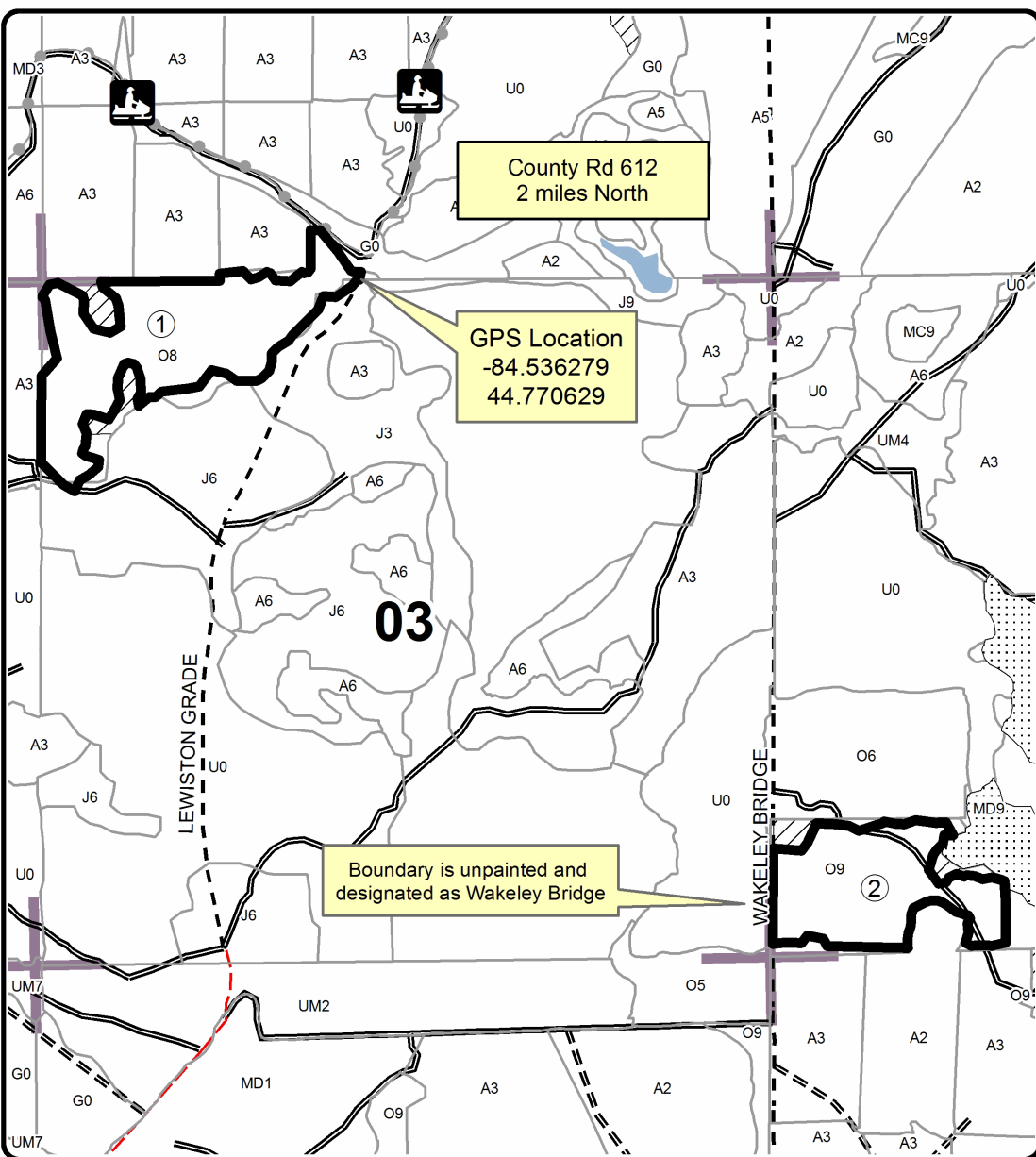
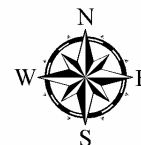
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium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

PU	Acres
1	38.1
2	25.9

Oh No Oak

Compartment 263

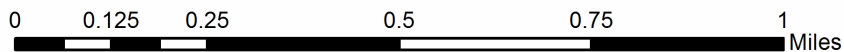
64 Acres



Legend

- Against State (Red)
- Stand Boundaries
- Recreational Trail
- Secondary Forest Road
- Forest Access Route
- Gravel Road
- County Road - Seasonal
- Lakes and Rivers
- Retention Area
- Payment Unit
- Nearby Timber Sales
- Section Corners

Locator Map



TIMBER SALE INFORMATION

Peters Rd JP (72-633-21)
 T27N, R03W, SEC. 23.
 Crawford County (Advertised Price \$8,463.00)

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

- See sale spec 5.2.3.4 for information of oak wilt restrictions.
- See sale spec 7.5.1 for information on declining jack pine.

The sale is on lands used for Military training. There is regen and residual that must be worked around and protected.

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		
Jack Pine	433 Cords	\$ 19.35 / Cord
Mixed Oak	3 Cords	\$ 28.15 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 10.20 percent. There are an estimated 439 cords on this timber sale, plus or minus 45 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 \$1,000.00 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 remainder is due before cutting begins.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

<u>PAYMENT UNIT NUMBER</u>	<u>PERCENT OF TOTAL SALE VALUE</u>
01	100.0%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2025.

SALE STATISTICS

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

<u>VOLUME</u>		<u>STATISTICAL RANGE IN CORDS</u>		
<u>TOTAL CUBIC FEET</u>	<u>TOTAL CORDS</u>	<u>PERCENT ERROR</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>
34,720	439	10.20%	395	484

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
5	34,720	439	10.20%	395	484
TOTAL:	34,720	439		395	484

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
5	23.5	1	23.5
TOTAL:	23.5		23.5

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Jack Pine	Pulpwood	433	Cords	23.5	\$8,463.00
	Mixed Oak		3	Cords		
	<i>Northern Pin Oak</i>	<i>Sawtimber</i>	<i>0.9</i>	<i>MBF</i>		
	<i>Northern Pin Oak</i>	<i>Pulpwood</i>	<i>1</i>	<i>Cords</i>		
TOTAL:			436	Cords		

Sale Specific Conditions & Requirements

Sale Name: Peters Rd JP

Sale Number: 72-633-21 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue and red paint and designated unpainted boundaries as shown on the Timber Sale Map. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint, in addition to unpainted boundaries designated as the cleared corridors along Peters Road and Jones Lake Road. The painted boundary line trees are not Included Timber and are to be protected.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1, cut all trees which meet minimum piece specifications in 2.2 Utilization, except white pine, white oak, red pine, black cherry, northern pin oak less than 8" at DBH, and green-marked trees.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

This area must be chip harvested to meet National Guard requirements. However, the chipping requirement could be waived, with Military approval, if chip markets are depressed. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portion of the trees must be chipped and hauled. If market conditions limit the practicality of chipping, and a chipping exemption is granted in writing, tops and slash must be arranged in a way that will not inhibit future planting operations, as directed by the sale administrator. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter does not apply (G. C. & R. 2.2) because the lands are used for Military training.

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 6 inches for all trees. This is needed to facilitate military requirements.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, reasonable care should be taken to avoid damage to tree seedlings and saplings. Within the Sale Area, if more than 25% 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 \$500 per acre for all acreage within that specified portion of the Sale Area that was damaged. Operable paths that are cut cleanly through the regen will not be counted as damaged areas.

No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 10% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber, or at a rate of \$50 per sawtimber tree and \$20 per pole sized tree, whichever is greater.

4 - Transportation

4.1 - Construction

4.1.3 - Slash and earthen piles (8/04)

Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road maintenance or construction, including stumps, shall be chipped, utilized, or dispersed into the sale.

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 chipped or scattered a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Stumps and brush must be scattered across the first 50 feet of road behind the berm. There are illegal user-created ORV trails extending from the adjacent private property. Close these narrow trails by scattering slash down them. Contact the sale administrator for specific details of design and placement.

4.1.11 - Permits (2/12)

The Purchaser will secure any necessary permits that may be required.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference on site 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 5 days in advance to schedule the conference.

5.1.4 - Post-sale conference (10/16)

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

5.1.5 - National Guard notification (2/15)

This sale is upon lands utilized for training by the Michigan National Guard - Camp Grayling. A minimum of five (5) business days prior to opening this sale, the producer must request that the sale administrator contact the military for information regarding training plans that may impact sale operations.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.1 - Slash within sale area (9/16)

No trees are to be felled outside the sale area and all slash is to be kept at least 20 feet back from the blue paint line. If sale boundary lines are along a public road or highway, then slash must be removed 50' from these lines per General Condition & Requirement 5.2.1.

5.2.1.13 - Dispose of slash as directed (12/05)

Slash is to be disposed of as directed by the Sale Administrator.

5.2.3 - Operating Restrictions

5.2.3.4 - Oak wilt restriction, no exceptions (1/18)

Within Payment Unit(s) 1, cutting, skidding, and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

5.2.3.7 - National Guard training restriction (1/09)

Operations on this contract may not be allowed during National Guard training operations. Typically, the restricted period is from May 1 to October 31. Regardless of the time of year, the contractor must check with the Sale Administrator who will coordinate the cutting schedule with the Military. All harvest equipment and timber products may need to be

removed from the Sale Area during the period of May 1 to October 31.

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.

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 Jones Lake Road and Peters 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 age-related decline and mortality in the jack pine. 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.

7.10 - Certified Timber

7.10.1 - Non-certified timber (2/16)

The area encompassed by this timber sale is not certified to the standards of the Forest Stewardship Council (FSC) or the Sustainable Forestry Initiative (SFI). Forest products from this sale may not be delivered to the mill as "FSC and / or SFI certified". The lands within this sale are managed for Military training.



TIMBER SALE MAP

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

Sale Number	Year
72 - 633	21

Forest Management Unit	County	Mapped By	Date	Page	of
Grayling	Crawford	Charlebois	09/22/2021	1	1
Township	Range	Section(s) and Subdivision(s)	Scale		
27N	03W	Section 23: W1/2SW	1:7,920		

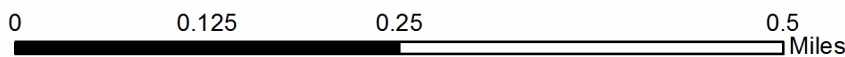
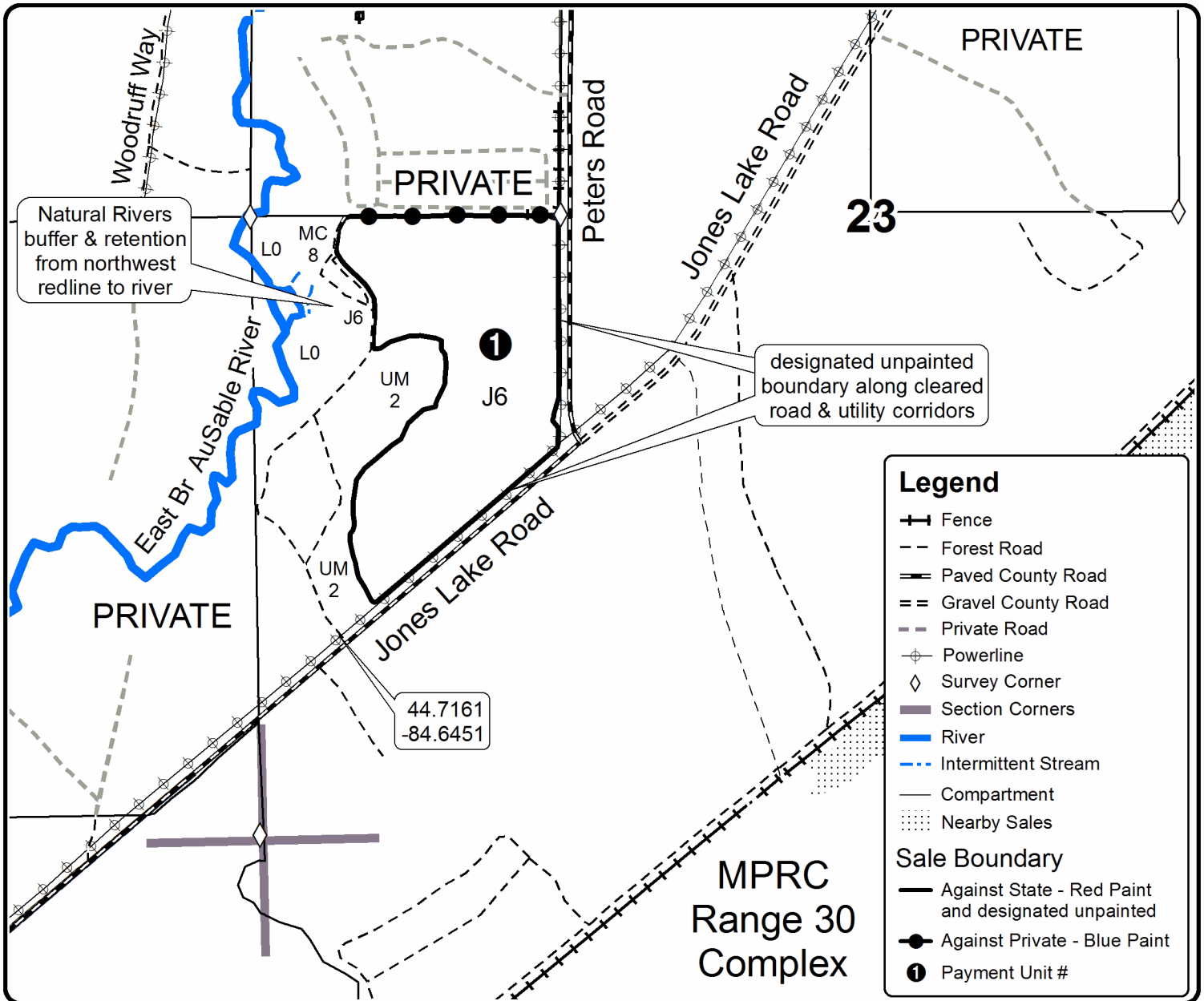
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium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

PU Acres
1 23.5

Peters Rd JP Compartment 238 23.5 Acres



scan for
geo-PDF
map



TIMBER SALE INFORMATION

Saw Belt Mix (72-635-21)

T26N, R04W, SEC. 31; T26N, R04W, SEC. 32; T26N, R04W, SEC. 33.
Crawford County (Advertised Price \$163,764.95)

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

- See sale spec 5.2.3.7 for information on military timing restrictions.
- See sale spec 5.2.3.5 for information on oak wilt restrictions.
- See sale specs 2.2.2 and 2.2.3 for information on stump height and chipping requirements.
- See sale spec 6.4 for information on potential unexploded ordinances.

Sale is located on short term military leased land near Camp Grayling. Payment Units 4 and 5 are within the Camp Grayling ammo supply point potential explosive safety arc.

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		
Beech	5.8 MBF	\$ 68.00 / MBF
Bl/R/Hybrid Oak	78.4 MBF	\$ 141.00 / MBF
Red Maple	52.3 MBF	\$ 75.00 / MBF
Red Oak	586.4 MBF	\$ 124.00 / MBF
Red Pine	13.0 MBF	\$ 118.00 / MBF
Sugar Maple	142.2 MBF	\$ 270.00 / MBF
Pulpwood		
B. T. Aspen	35 Cords	\$ 26.95 / Cord
Jack Pine	109 Cords	\$ 19.35 / Cord
Mixed Hardwood	339 Cords	\$ 28.75 / Cord
Mixed Oak	590 Cords	\$ 28.15 / Cord
Red Pine	2 Cords	\$ 38.70 / Cord
Sugar Maple	218 Cords	\$ 28.75 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 6.64 percent. There are an estimated 3,328 cords on this timber sale, plus or minus 221 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 \$8,188.00 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	6.5%
03	1.9%
04	41.2%
05	41.7%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2026.

SALE STATISTICS

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
262,891	3,328	6.64%	3,107	3,549

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
16	29,455	373	12.82%	325	421
21	25,005	317	21.01%	250	383
28	8,748	111	29.56%	78	143
32	90	1	57.74%	0	2
37	85,939	1,088	11.10%	967	1,209
41	113,654	1,439	11.32%	1,276	1,602
TOTAL:	262,891	3,328		2,896	3,759

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
16	27.0	1	27.0
21	23.1	2	23.1
28	5.6	3	5.6
32	2.2	3	2.2
37	46.2	4	46.2
41	58.7	5	58.7
TOTAL:	162.8		162.8

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	BI/R/Hybrid Oak	Sawtimber	54.7	MBF	27.0	\$14,171.20
	Red Pine		8.3	MBF		
	Jack Pine	Pulpwood	89	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	9.2	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	71	<i>Cords</i>		
	Mixed Hardwood		51	Cords		
	<i>Red Maple</i>		51	<i>Cords</i>		
	Mixed Oak		80	Cords		
	<i>BI/R/Hybrid Oak</i>		80	<i>Cords</i>		
	Red Pine		1	Cords		
2	BI/R/Hybrid Oak	Sawtimber	23.7	MBF	23.1	\$10,668.10
	Red Oak		7.4	MBF		
	Jack Pine	Pulpwood	20	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	2.9	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	14	<i>Cords</i>		
	Mixed Hardwood		90	Cords		
	<i>Black Cherry</i>		3	<i>Cords</i>		
	<i>Red Maple</i>		87	<i>Cords</i>		
	Mixed Oak		122	Cords		
	<i>BI/R/Hybrid Oak</i>		115	<i>Cords</i>		
<i>Red Oak</i>		7	<i>Cords</i>			
3	Red Maple	Sawtimber	5.5	MBF	7.8	\$3,155.50
	Red Oak		2.4	MBF		
	B. T. Aspen	Pulpwood	35	Cords		
	<i>B. T. Aspen</i>	<i>Sawtimber</i>	4.6	<i>MBF</i>		
	<i>B. T. Aspen</i>	<i>Pulpwood</i>	26	<i>Cords</i>		
	Mixed Hardwood		17	Cords		
	<i>Red Maple</i>		17	<i>Cords</i>		
	Mixed Oak		36	Cords		
	<i>BI/R/Hybrid Oak</i>		1	<i>Cords</i>		
<i>Red Oak</i>		35	<i>Cords</i>			
4	Beech	Sawtimber	5.8	MBF	46.2	\$67,465.00
	Red Maple		44.0	MBF		
	Red Oak		107.6	MBF		
	Sugar Maple		142.2	MBF		
	Mixed Hardwood	Pulpwood	134	Cords		
	<i>Beech</i>		5	<i>Cords</i>		
	<i>Black Cherry</i>		3	<i>Cords</i>		
	<i>Red Maple</i>		126	<i>Cords</i>		
	Mixed Oak		68	Cords		
	<i>Red Oak</i>		68	<i>Cords</i>		
Sugar Maple		218	Cords			
5	Red Maple	Sawtimber	2.8	MBF	58.7	\$68,305.15
	Red Oak		469.0	MBF		
	Red Pine		4.7	MBF		
	Mixed Hardwood	Pulpwood	47	Cords		
	<i>Red Maple</i>		47	<i>Cords</i>		
	Mixed Oak		284	Cords		
	<i>Red Oak</i>		284	<i>Cords</i>		
	Red Pine		1	Cords		
TOTAL:			878.1	MBF		
TOTAL:			1,293	Cords		

Sale Specific Conditions & Requirements

Sale Name: Saw Belt Mix

Sale Number: 72-635-21 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by red and yellow paint. Exterior sale boundary lines against state are marked with red paint, except for boundaries along Carrier Road on the West edge of Payment Unit 3 and an unnamed gravel road on the south edge of Payment Unit 5 all of which are unpainted. Interior Payment Unit boundaries are marked with yellow paint, except for a portion of the Payment Unit line between Payment Units 4 and 5 that runs along an unnamed gravel road which acts as the boundary and is unpainted. 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. 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) 1-5, cut all trees that are two (2) inches or more at DBH, with the following exceptions:

- Within Payment Units 1, 2, 4, and 5 leave all white oak,
- Within Payment Units 1 and 2 protect advanced oak regen,
- Within Payment Units 4 and 5 leave any trees with a DBH greater than 26",
- Within Payment Unit 2 leave all red pine,
- Within Payment Unit 4 leave all pine.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

The Sale Area must be chip harvested to meet National Guard requirements. However, the chipping requirement could be waived with military approval if chip markets are depressed. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter is still applicable (G. C. & R. 2.2).

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 6 inches for all trees. This is to facilitate military requirements.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment.

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings. Within Payment Units 1 and 2, if more than 25% 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 \$300 per acre for all acreage within that specified portion of the Sale Area that was damaged. Trees cut cleanly in skid trails will not be counted as damaged timber. No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 10% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

4 - Transportation

4.1 - Construction

4.1.6 - 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 chipped, utilized, or otherwise removed from the sale. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Stumps and brush must be placed along the remainder of the trail. These roads must be rendered impassable to cars and trucks. Contact the sale administrator for specific details of design and placement.

4.1.11 - Permits (2/12)

The Purchaser will secure any necessary permits that may be required.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference on site between the Purchaser and sale administrator is required prior to beginning any operations to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 5 days in advance to schedule the conference.

5.1.5 - National Guard notification (2/15)

This sale is upon lands utilized for training by the Michigan National Guard - Camp Grayling. A minimum of five (5) business days prior to opening this sale, the producer must request that the sale administrator contact the military for information regarding training plans that may impact sale operations.

5.2 - Conduct of Operations

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

5.2.3 - Operating Restrictions

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 1-5, unless changed by written agreement, cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. Operations may be allowed if specific steps are taken to prevent damaging uncut oak during the high risk period. Those steps may include completing all road brushing before April 15th and clearing a tree-length buffer along uncut oak cover before April 15th. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

5.2.3.7 - National Guard training restriction (1/09)

Operations on this contract may not be allowed during National Guard training operations. Typically, the restricted period is from May 1 to October 31. The contractor must check with the Unit Manager who will coordinate the cutting schedule with the Military. All harvest equipment and timber products must be removed from the Sale Area during the period of May 1 to October 31.

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.

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 gravel roads adjacent to the sale 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.

SKIP

6.4 - Unexploded ordinance (7/15)

Be aware that the sale area could contain UXO (unexploded ordinances). Do not touch, or drive over any metal objects. If any objects are found, please flag the area and notify the Unit Manager or his/her representative, so that they can make arrangements with the Military.

7 - Other Conditions

7.10 - Certified Timber

7.10.1 - Non-certified timber (2/16)

The area encompassed by this timber sale is not certified to the standards of the Forest Stewardship Council (FSC) or the Sustainable Forestry Initiative (SFI). Forest products from this sale may not be delivered to the mill as "FSC and / or SFI certified". The lands within this sale are managed for military training.



TIMBER SALE MAP

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

Forest Management Unit Grayling	County Crawford	Mapped By Dakota Ewald	Date 10/06/2021	Page 1	of 2
Township 26N	Range 04W	Section(s) and Subdivision(s) Sec 31- NENE Sec 32- N1/2NW, NWNE, E1/2SE Sec 33- S1/2NW, S1/2NE, N1/2SE, NWSW	Scale 1:15,840		

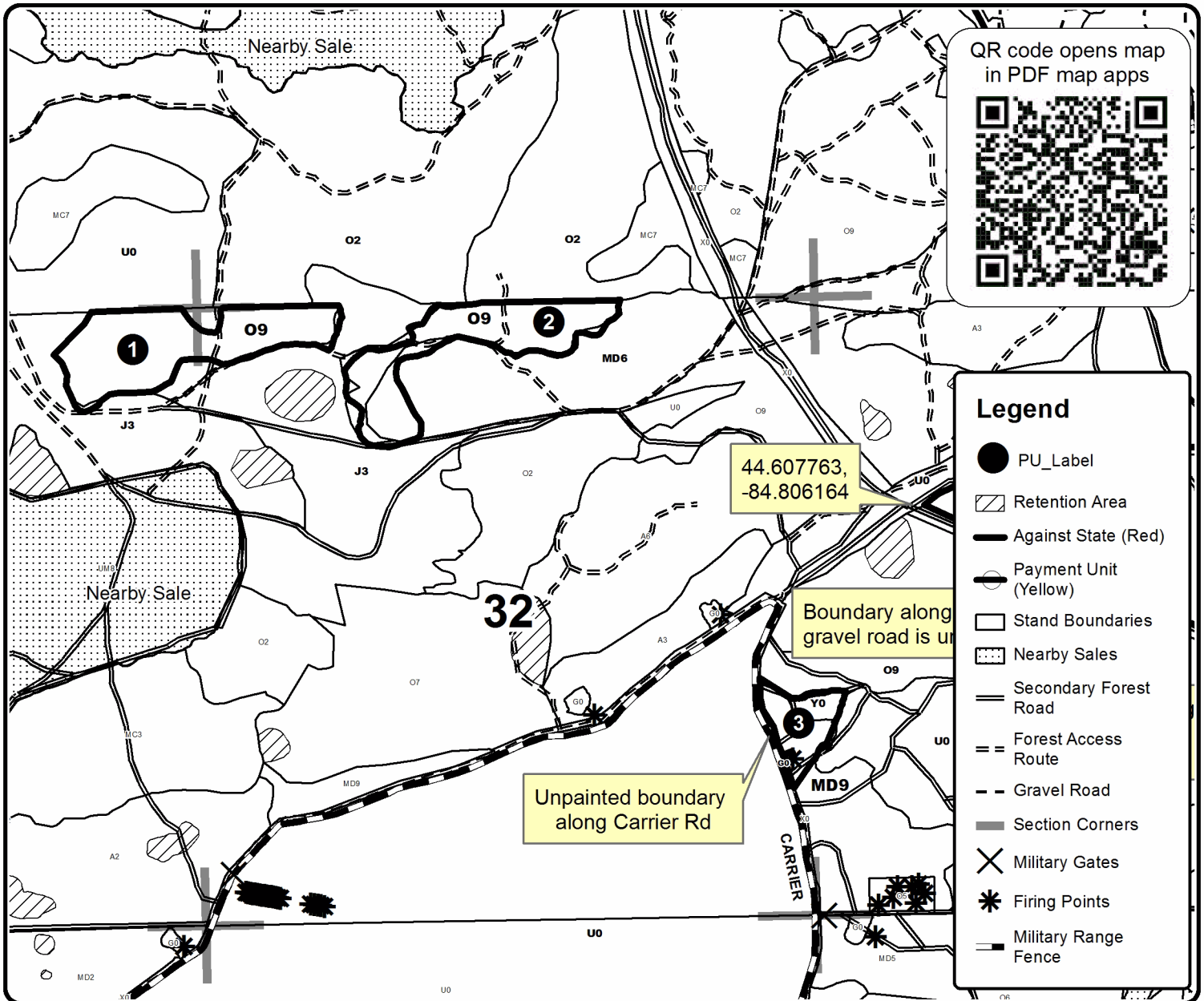
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium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

PU	Acres	PU	Acres
1	27.0	4	46.2
2	23.1	5	58.7
3	7.8		

Saw Belt Mix

Compartment 186

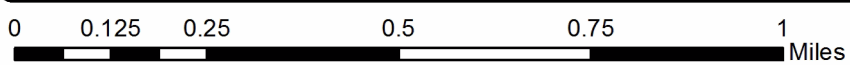
162.8 Acres



QR code opens map in PDF map apps

Legend

- PU_Label
- ▨ Retention Area
- Against State (Red)
- Payment Unit (Yellow)
- Stand Boundaries
- ⋯ Nearby Sales
- Secondary Forest Road
- == Forest Access Route
- - Gravel Road
- Section Corners
- ✕ Military Gates
- * Firing Points
- Military Range Fence





TIMBER SALE MAP

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

Forest Management Unit Grayling		County Crawford	Mapped By Dakota Ewald	Date 10/06/2021	Page 2	of 2
Township 26N	Range 04W	Section(s) and Subdivision(s) Sec 31- NENE Sec 32- N1/2NW, NWNE, E1/2SE Sec 33- S1/2NW, S1/2NE, N1/2SE, NWSW		Scale 1:15,840		

Cover Type

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Density

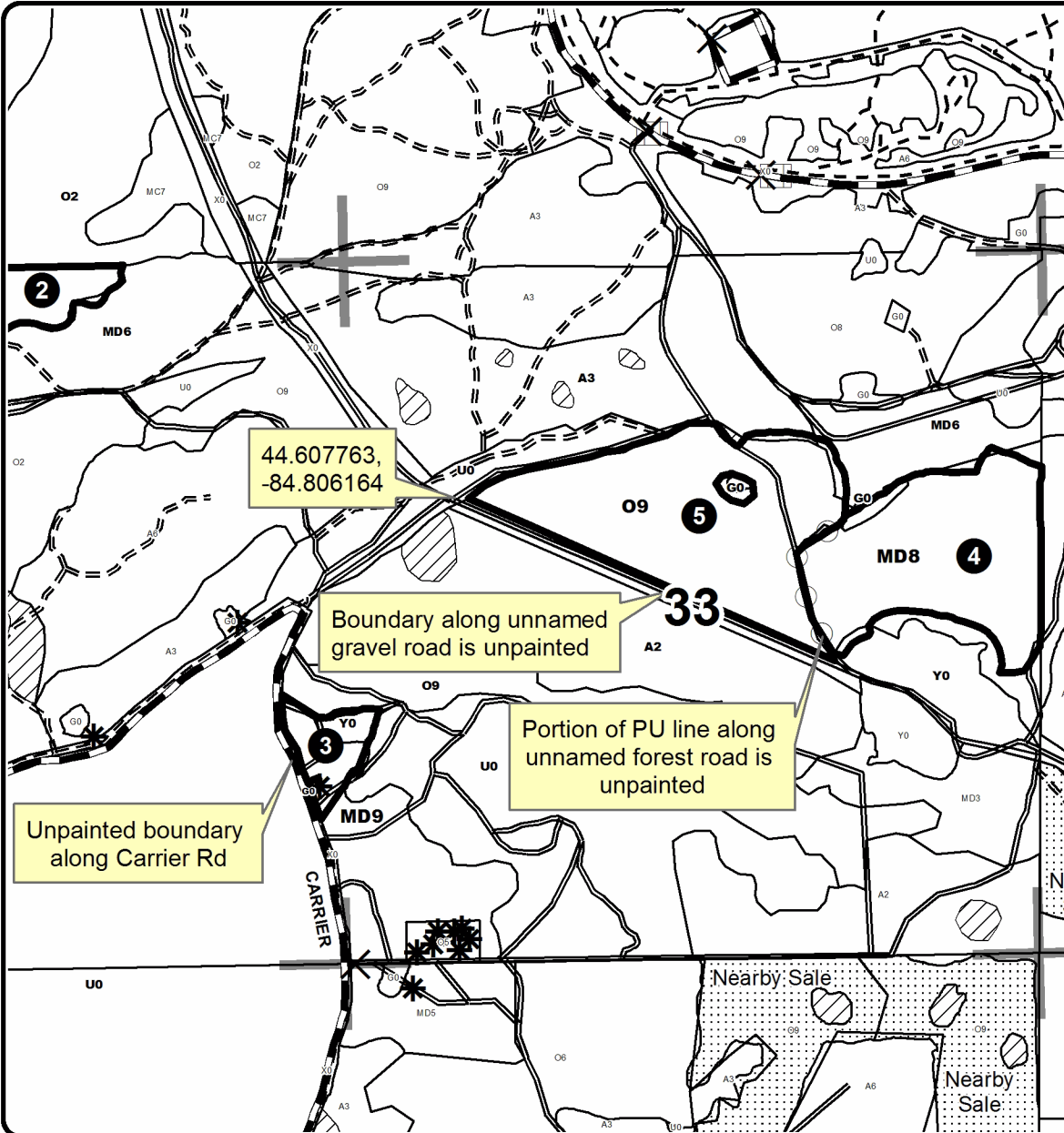
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1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

PU	Acres	PU	Acres
1	27.0	4	46.2
2	23.1	5	58.7
3	7.8		

Saw Belt Mix

Compartment 186

162.8 Acres

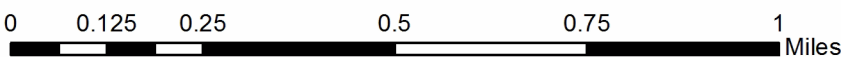


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Legend

- PU_Label
- Retention Area
- Against State (Red)
- Payment Unit (Yellow)
- Stand Boundaries
- Nearby Sales
- Secondary Forest Road
- Forest Access Route
- Paved Road
- Gravel Road
- Section Corners
- Military Gates
- Firing Points
- Military Range Fence



Saw Belt Mix (72-635-21)

T26N, R04W, SEC. 31; T26N, R04W, SEC. 32; T26N, R04W, SEC. 33; Crawford

In response to the notice of sale to be held 9:00 a.m. (local time) on March 20, 2023, 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			
Beech	5.8 MBF	\$ 68.00/MBF	\$ _____
Bl/R/Hybrid Oak	78.4 MBF	\$ 141.00/MBF	\$ _____
Red Maple	52.3 MBF	\$ 75.00/MBF	\$ _____
Red Oak	586.4 MBF	\$ 124.00/MBF	\$ _____
Red Pine	13.0 MBF	\$ 118.00/MBF	\$ _____
Sugar Maple	142.2 MBF	\$ 270.00/MBF	\$ _____
Pulpwood			
B. T. Aspen	35 Cords	\$ 26.95/Cord	\$ _____
Jack Pine	109 Cords	\$ 19.35/Cord	\$ _____
Mixed Hardwood	339 Cords	\$ 28.75/Cord	\$ _____
Mixed Oak	590 Cords	\$ 28.15/Cord	\$ _____
Red Pine	2 Cords	\$ 38.70/Cord	\$ _____
Sugar Maple	218 Cords	\$ 28.75/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 6.64 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

Peters Rd JP (72-633-21)
T27N, R03W, SEC. 23; Crawford COUNTY

In response to the notice of sale to be held 9:00 a.m. (local time) on March 20, 2023, 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			
Jack Pine	433 Cords	\$ 19.35/Cord	\$ _____
Mixed Oak	3 Cords	\$ 28.15/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 10.20 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



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.

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

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

Oh No Oak (72-631-22)

T27N, R02W, SEC. 2; T27N, R02W, SEC. 3; T28N, R02W, SEC. 34; Crawford

In response to the notice of sale to be held 9:00 a.m. (local time) on March 20, 2023, 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			
BI/R/Hybrid Oak	194.1 MBF	\$ 141.00/MBF	\$ _____
White Oak	17.8 MBF	\$ 79.00/MBF	\$ _____
Pulpwood			
B. T. Aspen	107 Cords	\$ 26.95/Cord	\$ _____
Mixed Oak	863 Cords	\$ 28.15/Cord	\$ _____
Red Maple	28 Cords	\$ 28.75/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 17.72 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.
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

Total Red Case (72-623-22)
T27N, R02W, SEC. 1; T27N, R02W, SEC. 2; Crawford COUNTY

In response to the notice of sale to be held 9:00 a.m. (local time) on March 20, 2023, 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			
B. T. Aspen	120.6 MBF	\$ 83.00/MBF	\$ _____
Bl/R/Hybrid Oak	562.3 MBF	\$ 141.00/MBF	\$ _____
Red Maple	6.0 MBF	\$ 75.00/MBF	\$ _____
White Oak	43.0 MBF	\$ 79.00/MBF	\$ _____
Pulpwood			
B. T. Aspen	183 Cords	\$ 26.95/Cord	\$ _____
Mixed Oak	1,397 Cords	\$ 28.15/Cord	\$ _____
Red Maple	278 Cords	\$ 28.75/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 13.66 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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 - 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	

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Signature of Owner or Authorized Representative

Title

Date

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