



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7210**

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on February 6, 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:

McMasters Leftovers (72-004-23) / T27N, R01W, SEC. 21, SESW,SE.

T27N, R01W, SEC. 28, NE.

County, Advertised Price \$27,473.90, 171.5 Acres, Jack Pine, Hardwood.

SALE NOTE: This timber sale consists of uncut payment units from previous KW timber sale laid out in 2018 and cut in 2022. Paint is getting faded but, still visible. Timber sale expires 6/30/2024 because area is scheduled for planting. No extensions will be granted. Sale has been adjusted down 10% to make up for short contract time and submerchantable timber requiring cutting. Soft oak wilt restrictions apply for portions of PUs 2 and 3 adjacent to private property.

County Line Oak (72-009-22) / T28N, R02E, SEC. 4 , N1/2NW.

T28N, R02E, SEC. 5 , SESE.

Oscoda County, Advertised Price \$13,107.80, 25.3 Acres, Hardwood, Aspen.

SALE NOTE: Variable quality and stocking within Payment Units 1 and 2. No recreational trails present. Some minor road work needed to access Payment Unit 2. Gas wells and buried lines are present along the North/South access road into Payment Unit 2. Contact should be made with the utility company prior to operations (See Spec 5.1.3). Declining Oak is present within the sale area.

Griffin Road Aspen (72-012-22) / T27N, R01E, SEC. 16, E1/2NW,NE.

Oscoda County, Advertised Price \$69,308.85, 76.1 Acres, Aspen, Hardwood.

SALE NOTE: Good Access. Minor work will be needed to establish a landing within the sale. Areas of wet/soft ground are present within the sale. No recreational sites present. Note that there is sign of decline within the larger Aspen.

Oak Along the Watchtower (72-016-22) / T25N, R04W, SEC. 10, SWNW.

T25N, R04W, SEC. 16, N1/2NE.

T25N, R04W, SEC. 8 , NE.

T25N, R04W, SEC. 9 , N1/2SW,SE.

T25N, R04W, SEC. 9 , NWNW,S1/2NW,NENE,S1/2NE.

Crawford County, Advertised Price \$43,759.25, 159.2 Acres, Hardwood, Red Oak.

SALE NOTE: - Sale contains steep slopes and sandy roads.

- Oak wilt restrictions in place; no exceptions due to the protection of advanced oak regen.

- Sale is on short-term leased military lands. The sale is FSC and SFI certified, but still contains standard military restrictions.

- There is a pipeline off Tower Truck Trail. Contact Maverick at 1-888-250-1681.

Area 51 UFOak (72-608-21) / T27N, R02W, SEC. 4 , NENW,NWNE.

T28N, R02W, SEC. 28, SESW.

T28N, R02W, SEC. 32, NENE,NESE.

T28N, R02W, SEC. 33, NW,NWNE,SW,SWSE.

Crawford County, Advertised Price \$100,832.50, 185.8 Acres, Hardwood, Aspen.

SALE NOTE: - Non-certified timber; see sale spec 7.10.1 for more information.

- Military restrictions; see sale spec 5.2.3.7 for more information.

- Oak wilt restrictions; see sale spec 5.2.3.4 and 5.2.3.5 for more information.

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

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

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

Bids must be received by the Unit Manager, GRAYLING OFFICE, 1955 HARTWICK PINES ROAD, GRAYLING, MI 49738, no later than 9:00 a.m. (local time) on February 6, 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

McMasters Leftovers (72-004-23)
 T27N, R01W, SEC. 21; T27N, R01W, SEC. 28.
 County (Advertised Price \$27,473.90)

SALE NOTE: This timber sale consists of uncut payment units from previous KW timber sale laid out in 2018 and cut in 2022. Paint is getting faded but, still visible. Timber sale expires 6/30/2024 because area is scheduled for planting. No extensions will be granted. Sale has been adjusted down 10% to make up for short contract time and submerchantable timber requiring cutting. Soft oak wilt restrictions apply for portions of PUs 2 and 3 adjacent to private property.

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		
Northern Pin Oak	11.5 MBF	\$ 116.00 / MBF
Red Pine	17.6 MBF	\$ 99.00 / MBF
Pulpwood		
Black Cherry	14 Cords	\$ 24.95 / Cord
Jack Pine	1,255 Cords	\$ 15.90 / Cord
Northern Pin Oak	104 Cords	\$ 23.75 / Cord
Red Pine	47 Cords	\$ 32.70 / Cord
White Pine	4 Cords	\$ 21.70 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.72 percent. There are an estimated 1,549 cords on this timber sale, plus or minus 197 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 \$1,374.00 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	46.2%
02	25.8%
03	28.0%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2024.

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
122,351	1,549	12.72%	1,352	1,746

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
14	99,901	1,265	15.26%	1,072	1,458
15	22,450	284	24.99%	213	355
TOTAL:	122,351	1,549		1,285	1,813

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
14	144.2	1	42.5
		2	48.8
		3	52.9
15	27.3	1	27.3
TOTAL:	171.5		171.5

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Northern Pin Oak	Sawtimber	11.5	MBF	69.8	\$12,699.90
	Red Pine		9.4	MBF		
	Black Cherry	Pulpwood	8	Cords		
	Jack Pine		481	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	21.9	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	437	<i>Cords</i>		
	Northern Pin Oak		64	Cords		
	Red Pine		30	Cords		
	White Pine		4	Cords		
	<i>White Pine</i>	<i>Sawtimber</i>	1.4	<i>MBF</i>		
<i>White Pine</i>	<i>Pulpwood</i>	1	<i>Cords</i>			
2	Red Pine	Sawtimber	3.9	MBF	48.8	\$7,088.60
	Black Cherry	Pulpwood	3	Cords		
	Jack Pine		372	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	4.8	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	362	<i>Cords</i>		
	Northern Pin Oak		19	Cords		
Red Pine		8	Cords			
3	Red Pine	Sawtimber	4.3	MBF	52.9	\$7,701.30
	Black Cherry	Pulpwood	3	Cords		
	Jack Pine		403	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	5.2	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	393	<i>Cords</i>		
	Northern Pin Oak		21	Cords		
	Red Pine		9	Cords		
TOTAL:			29.1	MBF		
TOTAL:			1,425	Cords		

Sale Specific Conditions & Requirements

Sale Name: McMasters Leftovers

Sale Number: 72-004-23 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, green, and yellow paint or are unmarked and identified by existing roads or adjacent clearcuts. Exterior sale boundary lines against private property are marked with blue paint except the east boundary of Payment Unit 3 is unmarked and identified by the powerline right of way (Conners Marsh Rd). Exterior sale boundary lines against state are unmarked and identified by existing roads and clearcuts as identified on timber sale map except for the southeast boundary of Payment Unit 2 is identified by a green painted retention area. Interior Payment Unit boundary between Payment Units 1 and 2 is marked with yellow paint or separated by green retention strip. Retention patches are marked with green paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected. 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) 1-3, cut all trees that are two (2) inches or more at DBH except do not cut pine greater than 20" DBH or trees marked with green paint. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

This area must be chip harvested to meet Kirtland's warbler habitat requirements. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portion of the trees must be chipped and hauled. A chipping exemption can be obtained if proposed operations are determined to be suitable for planting by reforestation staff. This exemption must be granted in writing. 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 this is Kirtland's warbler habitat.

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 planting operations.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 1 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

3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are marked with green paint or are designated as pine greater than 20" DBH. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$300 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

4 - Transportation

4.1 - Construction

4.1.6 - 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. 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

5.1.6 - Utility R.O.W. (4/19)

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the power line R.O.W. for 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) 2 and 3, 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.

5.2.32 - 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.

5.4 - 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 North Down River 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

7.2 - Extensions

7.2.2 - No extensions (3/09)

There will be no extensions granted on this contract. This sale is already scheduled for planting.



TIMBER SALE MAP

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

Forest Management Unit	County	Mapped By	Date	Page	of
Grayling	Crawford	Scott McClarren	10/14/2022	1	1
Township	Range	Section(s) and Subdivision(s)	Scale		
27N	01W	Sec. 21: SESW,SE Sec. 28: NE	1:7,920		

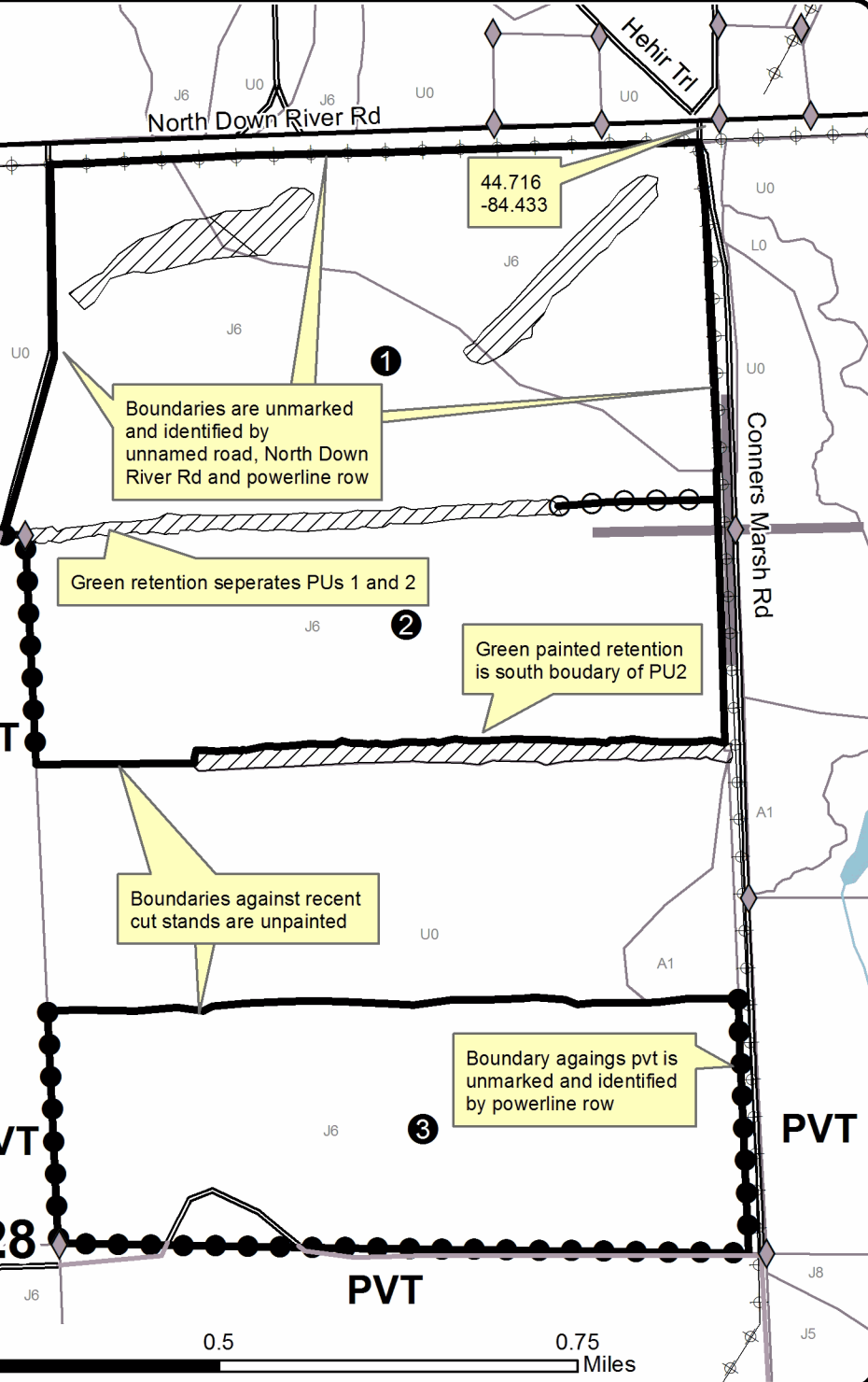
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium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

McMasters Leftovers

Compartment 282

171.5 Acres

PU	Acres
1	69.8
2	48.8
3	52.9



- Against State (Unpainted)
- ○ Payment Unit (Yellow)
- ● Private Line (Blue/Unpainted)
- ▨ Retention Area (Green)
- Stand Boundaries
- Oil & Gas Well Surface Locations
- == Secondary Forest Road
- == Forest Access Route
- Paved Road
- Private
- Section Corners
- Lakes and Rivers All
- Pipeline
- Powerline
- ① PU Label
- ◆ Field Grade Corners



TIMBER SALE INFORMATION

County Line Oak (72-009-22)
T28N, R02E, SEC. 4; T28N, R02E, SEC. 5.
Oscoda County (Advertised Price \$13,107.80)

SALE NOTE: Variable quality and stocking within Payment Units 1 and 2. No recreational trails present. Some minor road work needed to access Payment Unit 2. Gas wells and buried lines are present along the North/South access road into Payment Unit 2. Contact should be made with the utility company prior to operations (See Spec 5.1.3). Declining Oak is present within the sale area.

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	56.7 MBF	\$ 105.00 / MBF
Pulpwood		
B. T. Aspen	16 Cords	\$ 21.65 / Cord
Jack Pine	15 Cords	\$ 14.45 / Cord
Mixed Hardwood	291 Cords	\$ 22.65 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 10.05 percent. There are an estimated 436 cords on this timber sale, plus or minus 44 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 \$655.00 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	75.5%
02	24.5%
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
34,409	436	10.05%	392	479

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
15	7,579	96	7.69%	89	103
20	26,830	340	12.72%	296	383
TOTAL:	34,409	436		385	486

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
15	6.4	2	6.4
20	18.9	1	18.9
TOTAL:	25.3		25.3

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	BI/R/Hybrid Oak	Sawtimber	41.8	MBF	18.9	\$9,895.45
	B. T. Aspen	Pulpwood	10	Cords		
	Jack Pine		4	Cords		
	<i>White Pine</i>		4	<i>Cords</i>		
	Mixed Hardwood		231	Cords		
	<i>BI/R/Hybrid Oak</i>		198	<i>Cords</i>		
	<i>Red Maple</i>		26	<i>Cords</i>		
	<i>White Oak</i>		7	<i>Cords</i>		
2	BI/R/Hybrid Oak	Sawtimber	14.9	MBF	6.4	\$3,212.35
	B. T. Aspen	Pulpwood	6	Cords		
	Jack Pine		11	Cords		
	<i>Jack Pine</i>		11	<i>Cords</i>		
	Mixed Hardwood		60	Cords		
	<i>BI/R/Hybrid Oak</i>		56	<i>Cords</i>		
	<i>White Oak</i>		4	<i>Cords</i>		
	TOTAL:			56.7		
TOTAL:			322	Cords		

Sale Specific Conditions & Requirements

Sale Name: County Line Oak

Sale Number: 72-009-22 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

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. The north boundary of Payment Unit 1 is unpainted and designated as Granholm Rd.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1 & 2, cut all trees which meet minimum piece specifications in 2.2 Utilization.

3 - Payments

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings.

Within the sale area, if more than 50% 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 \$250 per acre for all acreage within that specified portion of the sale area that was damaged.

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 for closing roads or landings, 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. 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

5.1.3 - Well heads and natural gas pipelines (11/15)

The Purchaser is responsible for contacting the gas or pipeline company 14 days prior to operating equipment in the vicinity of well heads or natural gas pipelines.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 36 inches in height.

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 1, 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.

This spec is in place due to the retention of mature Oak within the retention islands as well as protecting young Oak within the unit boundary.

5.2.29 - Shrub protection (1/20)

Reasonable care should be taken to avoid cutting or damaging hawthorn, witch-hazel, dogwood or 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.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an on-site evaluation and recommendation can be made, if necessary.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Granholm Rd 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. This is only applicable when operating in Payment Unit 1.



TIMBER SALE MAP

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

Forest Management Unit Grayling Management Unit		County Oscoda	Mapped By Trevor Kubitskey	Date 2/16/2022	Page 1	of 1
Township 28N	Range 02E	Section(s) and Subdivision(s) Sec. 4 N1/2NW, Sec. 5 SESE		Scale 1:15,840		

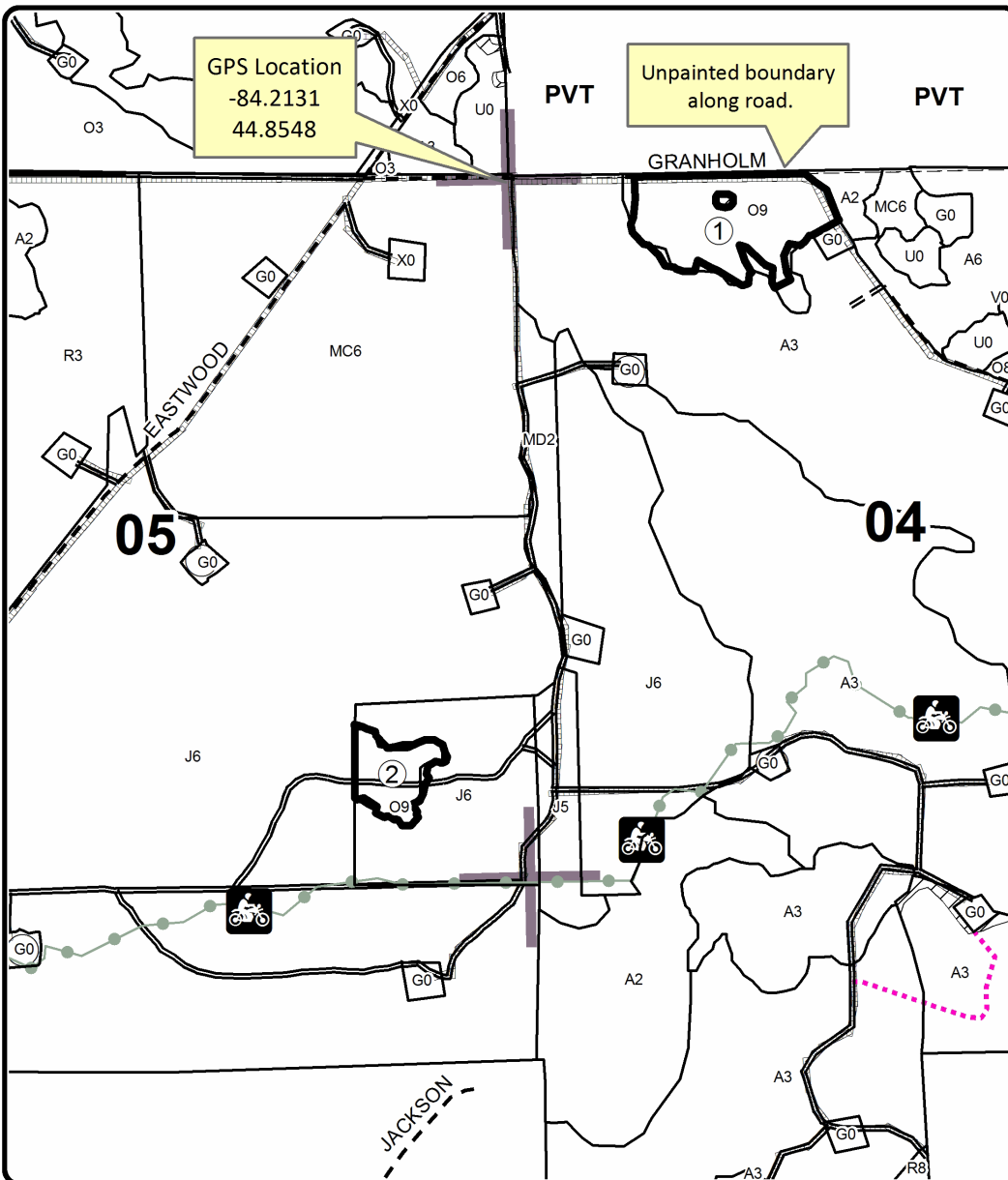
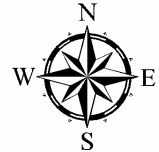
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	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	18.9
2	6.4

County Line Oak

Compartment 24

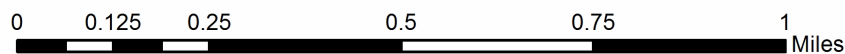
Acres 25.3



Legend

- Sale Boundary (Red)
- PVT Private Property
- Payment Unit
- Retention Area (Red X's)
- Stand Boundaries
- Recreational Trail
- Oil & Gas Well Surface Locations
- Secondary Forest Road
- Forest Access Route
- Gravel Road
- Temporary Management Access
- Section Corners
- Pipeline
- Powerline

Avenza Map



TIMBER SALE INFORMATION

Griffin Road Aspen (72-012-22)
T27N, R01E, SEC. 16.
Oscoda County (Advertised Price \$69,308.85)

SALE NOTE: Good Access. Minor work will be needed to establish a landing within the sale. Areas of wet/soft ground are present within the sale. No recreational sites present. Note that there is sign of decline within the larger Aspen.

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	4.8 MBF	\$ 116.00 / MBF
Mixed Aspen	214.4 MBF	\$ 60.00 / MBF
Red Maple	9.4 MBF	\$ 63.00 / MBF
Red Pine	58.9 MBF	\$ 99.00 / MBF
White Pine	37.3 MBF	\$ 63.00 / MBF
Pulpwood		
Balsam Fir	20 Cords	\$ 10.30 / Cord
Black Spruce	55 Cords	\$ 17.50 / Cord
Jack Pine	163 Cords	\$ 15.90 / Cord
Mixed Aspen	1,324 Cords	\$ 23.85 / Cord
Mixed Hardwood	285 Cords	\$ 24.95 / Cord
Red Pine	79 Cords	\$ 32.70 / Cord
White Pine	96 Cords	\$ 21.70 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 14.02 percent. There are an estimated 2,603 cords on this timber sale, plus or minus 365 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$3,465.00 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	43.1%
02	31.6%
03	25.3%
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
205,603	2,603	14.02%	2,238	2,968

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
14	15,666	198	21.74%	155	241
71	102,031	1,292	14.64%	1,102	1,481
75	87,906	1,113	22.97%	857	1,368
TOTAL:	205,603	2,603		2,115	3,090

VDU TO PAYMENT UNIT

When a VDU is associated with more than one Payment Unit (PU), the VDU volumes are assigned to the PU based on acres of the VDU within the PU.

VDU	VDU ACRES	PU	PU ACRES
14	14.0	3	14.0
71	31.5	2	19.8
		3	11.7
75	30.6	1	30.6
TOTAL:	76.1		76.1

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	BI/R/Hybrid Oak	Sawtimber	2.7	MBF	30.6	\$29,876.80
	Mixed Aspen		51.4	MBF		
	<i>B. T. Aspen</i>		24.2	<i>MBF</i>		
	<i>Quaking Aspen</i>		27.2	<i>MBF</i>		
	Red Pine		22.6	MBF		
	Balsam Fir	Pulpwood	20	Cords		
	Black Spruce		47	Cords		
	<i>Black Spruce</i>	<i>Sawtimber</i>	5.1	<i>MBF</i>		
	<i>Black Spruce</i>	<i>Pulpwood</i>	37	<i>Cords</i>		
	Jack Pine		30	Cords		
	Mixed Aspen		776	Cords		
	<i>B. T. Aspen</i>		18	<i>Cords</i>		
	<i>Quaking Aspen</i>		758	<i>Cords</i>		
	Mixed Hardwood		50	Cords		
	<i>BI/R/Hybrid Oak</i>		12	<i>Cords</i>		
	<i>Black Cherry</i>		10	<i>Cords</i>		
	<i>Red Maple</i>		28	<i>Cords</i>		
	Red Pine		58	Cords		
	White Pine		50	Cords		
	2	BI/R/Hybrid Oak	Sawtimber	1.3		
Mixed Aspen			102.5	MBF		
<i>Quaking Aspen</i>			102.5	<i>MBF</i>		
Red Maple			5.9	MBF		
Red Pine			14.9	MBF		
White Pine			23.4	MBF		
Black Spruce		Pulpwood	5	Cords		
<i>Black Spruce</i>			5	<i>Cords</i>		
Jack Pine			13	Cords		
Mixed Aspen			339	Cords		
<i>Quaking Aspen</i>			339	<i>Cords</i>		
Mixed Hardwood			127	Cords		
<i>BI/R/Hybrid Oak</i>			10	<i>Cords</i>		
<i>Paper Birch</i>			11	<i>Cords</i>		
<i>Red Maple</i>			106	<i>Cords</i>		
Red Pine			3	Cords		
White Pine			29	Cords		
3	BI/R/Hybrid Oak	Sawtimber	0.8	MBF	25.7	\$17,534.85
	Mixed Aspen		60.5	MBF		
	<i>Quaking Aspen</i>		60.5	<i>MBF</i>		
	Red Maple		3.5	MBF		
	Red Pine		21.4	MBF		
	White Pine		13.9	MBF		
	Black Spruce	Pulpwood	3	Cords		
	<i>Black Spruce</i>		3	<i>Cords</i>		
	Jack Pine		120	Cords		
	Mixed Aspen		209	Cords		
	<i>Quaking Aspen</i>		209	<i>Cords</i>		
	Mixed Hardwood		108	Cords		
	<i>BI/R/Hybrid Oak</i>		17	<i>Cords</i>		
	<i>Black Cherry</i>		12	<i>Cords</i>		
	<i>Paper Birch</i>		7	<i>Cords</i>		
	<i>Red Maple</i>		72	<i>Cords</i>		
	Red Pine		18	Cords		
White Pine		17	Cords			
TOTAL:			324.8	MBF		

TOTAL:	2,022 Cords
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Sale Specific Conditions & Requirements

Sale Name: Griffin Road Aspen

Sale Number: 72-012-22 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 and yellow paint. See Timber Sale Map for more details. A portion along the north boundary of Payment Unit 1 is unpainted. This sale boundary is designated as a recent clear-cut labeled as G0. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. Griffin Rd is the designated Payment Unit boundary between Units 1, 2 & 3 and is unpainted. Retention patches are marked with red X's; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected. 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 - 3, cut all trees that are two (2) inches or more at DBH. DO NOT CUT any Red or White Pine greater than 26" DBH or any trees marked with GREEN paint. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

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

3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are any Legacy trees which are designated as Red or White Pine greater than 26" DBH. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$500 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

4 - Transportation

4.1 - Construction

4.1.6 - 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 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

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 36 inches in height.

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.

This spec is put into place to reduce the potential of any negative impacts on the Oak regeneration along the edges of the adjacent stands as well as the Oak within the retention islands.

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 & the P9 portions of unit 3, 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.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 1 & 2, cutting and skidding occur during dry summer or frozen winter conditions. The reason for the recommendation is because of a high water table and pockets of soft ground. It is also encouraged that the producer uses slash and tops to operate on when harvesting.

5.2.29 - Shrub protection (1/20)

Reasonable care should be taken to avoid cutting or damaging hawthorn, witch-hazel, dogwood or juneberry within the sale area. These woody-shrub plants are highly beneficial to various wildlife species.

Areas in Payment Unit 1 have high densities of Hawthorn.

5.2.32 - Decking/landing restoration (9/13)

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

5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an on-site evaluation and recommendation can be made, if necessary.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Griffin and Pine Haven Road prior to beginning operations. The road must be posted at appropriate distances from the sale area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.



TIMBER SALE MAP

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

Forest Management Unit Grayling		County Oscoda	Mapped By Trevor Kubitskey	Date 8/3/2022	Page 1	of 1
Township 27N	Range 01E	Section(s) and Subdivision(s) Sec 16 E1/2NW, NE1/4		Scale 1:7,920		

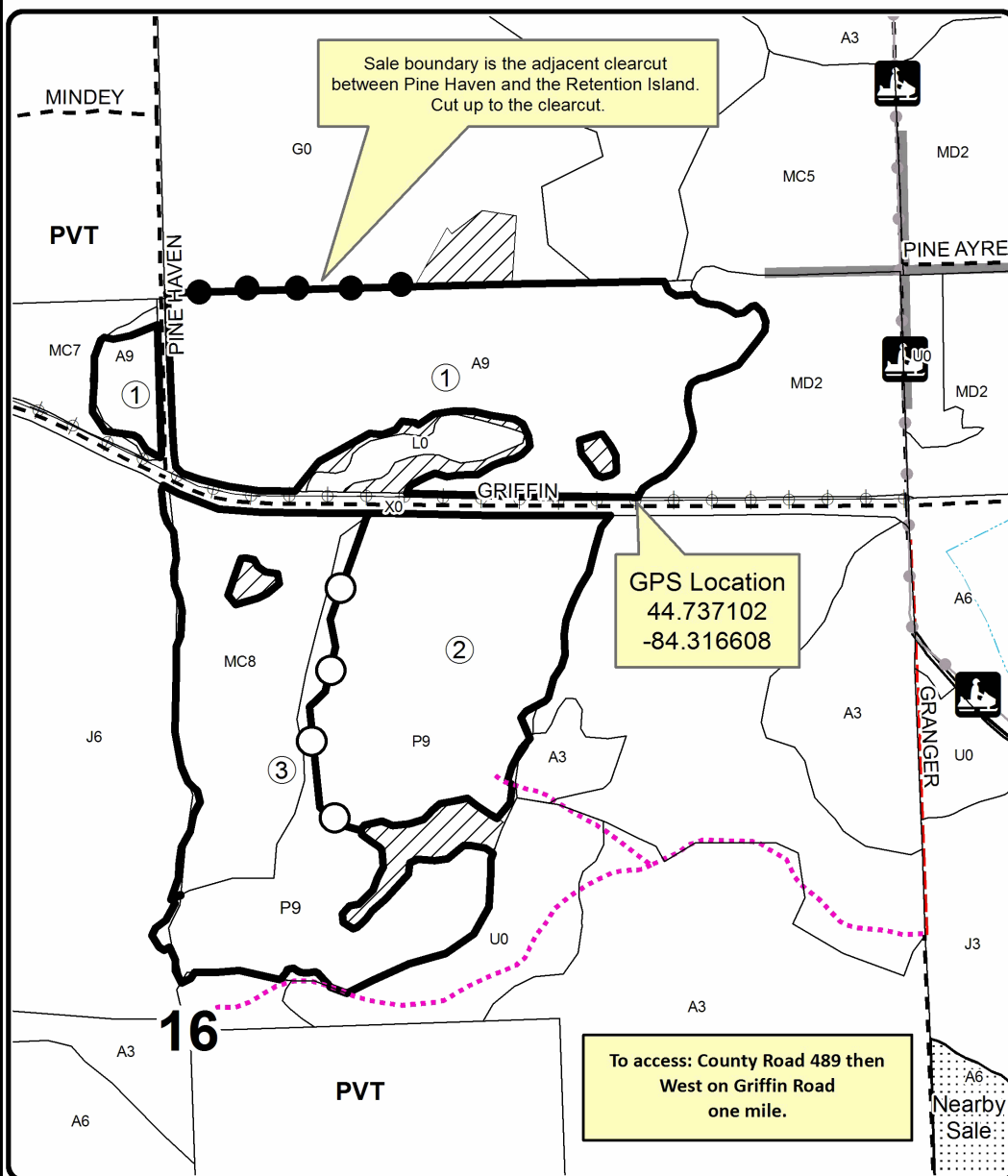
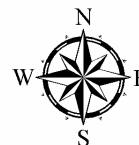
Cover Type				Density			
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium		
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well		
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling 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	30.6
2	19.8
3	25.7

Griffin Road Aspen

Compartment 005

76.1 Acres



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Unpainted Sale Boundary
- ▨ Retention Area
- ▤ Nearby Timber Sales
- Stand Boundaries
- Recreational Trail
- Secondary Forest Road
- - Gravel Road
- - County Road - Seasonal
- ⋯ Temporary Management Access
- ⋯ Intermittent Stream
- Section Corners
- ② Payment Unit
- PVT Private Property
- ⚡ Powerline

Avenza Map



TIMBER SALE INFORMATION

Oak Along the Watchtower (72-016-22)

T25N, R04W, SEC. 10; T25N, R04W, SEC. 16; T25N, R04W, SEC. 8; T25N, R04W, SEC. 9.
Crawford County (Advertised Price \$43,759.25)

SALE NOTE: - Sale contains steep slopes and sandy roads.

- Oak wilt restrictions in place; no exceptions due to the protection of advanced oak regen.
- Sale is on short-term leased military lands. The sale is FSC and SFI certified, but still contains standard military restrictions.
- There is a pipeline off Tower Truck Trail. Contact Maverick at 1-888-250-1681.

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the Inventory Manager computer program and the new Michigan taper model. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Red Oak	260.7 MBF	\$ 102.00 / MBF
Red Pine	9.7 MBF	\$ 99.00 / MBF
Sugar Maple	17.7 MBF	\$ 237.00 / MBF
White Oak	24.2 MBF	\$ 65.00 / MBF
White Pine	5.7 MBF	\$ 63.00 / MBF
Pulpwood		
Mixed Hardwood	116 Cords	\$ 24.95 / Cord
Mixed Oak	287 Cords	\$ 23.75 / Cord
Red Pine	8 Cords	\$ 32.70 / Cord
White Pine	5 Cords	\$ 21.70 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 22.30 percent. There are an estimated 1,138 cords on this timber sale, plus or minus 254 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 \$2,188.00 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	25.3%
02	12.9%
03	34.2%
04	27.6%

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
89,876	1,138	22.30%	884	1,391

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	66,231	838	15.11%	712	965
24	23,644	299	36.17%	191	408
TOTAL:	89,876	1,138		903	1,373

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	146.5	1	51.1
		2	26.2
		3	69.2
24	12.7	4	12.7
TOTAL:	159.2		159.2

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Oak	Sawtimber	80.9	MBF	51.1	\$11,070.65
	Sugar Maple		0.3	MBF		
	White Oak		8.2	MBF		
	Mixed Hardwood	Pulpwood	5	Cords		
	<i>Red Maple</i>	<i>Sawtimber</i>	<i>0.4</i>	<i>MBF</i>		
	<i>Red Maple</i>	<i>Pulpwood</i>	<i>3</i>	<i>Cords</i>		
	<i>Sugar Maple</i>		<i>1</i>	<i>Cords</i>		
	Mixed Oak		88	Cords		
	<i>Red Oak</i>		<i>72</i>	<i>Cords</i>		
	<i>White Oak</i>		<i>16</i>	<i>Cords</i>		
2	Red Oak	Sawtimber	41.5	MBF	26.2	\$5,648.35
	Sugar Maple		0.1	MBF		
	White Oak		4.2	MBF		
	Mixed Hardwood	Pulpwood	2	Cords		
	<i>Red Maple</i>	<i>Sawtimber</i>	<i>0.2</i>	<i>MBF</i>		
	<i>Red Maple</i>	<i>Pulpwood</i>	<i>2</i>	<i>Cords</i>		
	Mixed Oak		45	Cords		
	<i>Red Oak</i>		<i>37</i>	<i>Cords</i>		
	<i>White Oak</i>		<i>8</i>	<i>Cords</i>		
3	Red Oak	Sawtimber	109.4	MBF	69.2	\$14,969.50
	Sugar Maple		0.4	MBF		
	White Oak		11.0	MBF		
	Mixed Hardwood	Pulpwood	7	Cords		
	<i>Red Maple</i>	<i>Sawtimber</i>	<i>0.6</i>	<i>MBF</i>		
	<i>Red Maple</i>	<i>Pulpwood</i>	<i>5</i>	<i>Cords</i>		
	<i>Sugar Maple</i>		<i>1</i>	<i>Cords</i>		
	Mixed Oak		119	Cords		
	<i>Red Oak</i>		<i>97</i>	<i>Cords</i>		
	<i>White Oak</i>		<i>22</i>	<i>Cords</i>		
4	Red Oak	Sawtimber	28.9	MBF	12.7	\$12,070.75
	Red Pine		9.7	MBF		
	Sugar Maple		16.9	MBF		
	White Oak		0.8	MBF		
	White Pine		5.7	MBF		
	Mixed Hardwood	Pulpwood	102	Cords		
	<i>Beech</i>		<i>6</i>	<i>Cords</i>		
	<i>Red Maple</i>		<i>14</i>	<i>Cords</i>		
	<i>Sugar Maple</i>		<i>82</i>	<i>Cords</i>		
	Mixed Oak		35	Cords		
	<i>Red Oak</i>		<i>33</i>	<i>Cords</i>		
	<i>White Oak</i>		<i>2</i>	<i>Cords</i>		
	Red Pine		8	Cords		
	White Pine		5	Cords		
TOTAL:			318.0	MBF		
TOTAL:			416	Cords		

Sale Specific Conditions & Requirements

Sale Name: Oak Along the Watchtower

Sale Number: 72-016-22 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 and yellow paint, or are unmarked and identified by existing roads. Exterior sale boundary lines against state are marked with red paint, with the exception of the south boundary of Payment Unit 4, which is unmarked and identified by the unnamed powerline road. Interior Payment Unit boundaries are marked with yellow 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. 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

2.1.5 - Overstory removal unit(s) (8/11)

Within Payment Unit(s) 1-4, all trees which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, with the following exceptions:

- Within Payment Units 1, 2, and 3, do not cut any pine.
- Within Payment Unit 4, do not cut any trees marked with green paint.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

All payment units 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. 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 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.

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings.

Within the sale area, if more than 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 for operational paths and skid trails will not be counted as damage.

Within the sale area, if more than 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

4 - Transportation

4.1 - Construction

4.1.6 - 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. 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

5.1.3 - Well heads and natural gas pipelines (11/15)

The Purchaser is responsible for contacting the pipeline company prior to operating equipment in the vicinity of well heads or natural gas pipelines. Contact Maverick at 1-888-250-1681.

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.

5.1.6 - Utility R.O.W. (4/19)

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the power line R.O.W. for 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

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

Within Payment Unit(s) 1-4, 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.

Hauling off established landings during the restricted period may occur if roads have been brushed in prior to April 15.

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.

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.

5.4 - Soil Protection

5.4.3 - Erosion control (12/08)

Skid trails or haul roads may require erosion control structures or berms per direction of the Unit Manager or his/her representative.

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 Annis Pit Rd prior to beginning operations. The road must be posted at appropriate distances from the sale area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.



TIMBER SALE MAP

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

Forest Management Unit Grayling	County Crawford	Mapped By Scott McClarren	Date 07/21/2022	Page 1	of 1
Township 25N	Range 04W	Section(s) and Subdivision(s) Sec 8 NE, Sec 9 N1/2SW, SE, NWNW, S1/2NW, S1/2NE	Scale 1:15,840		

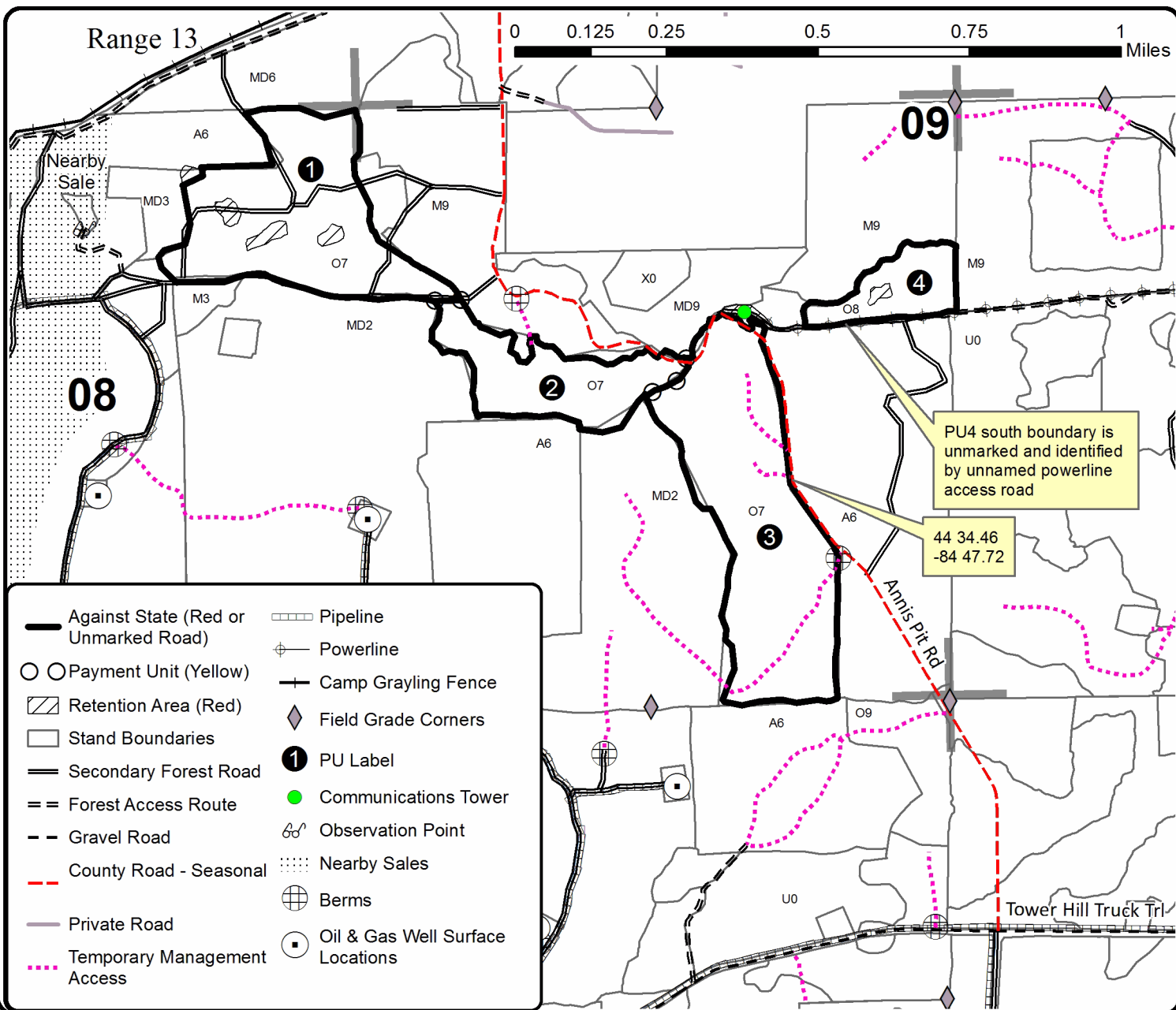
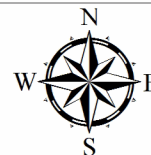
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	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	51.1
2	26.2
3	69.2
4	12.7



Oak Along the Watchtower

Compartment 188
159.2 Acres



TIMBER SALE INFORMATION

Area 51 UFOak (72-608-21)

T27N, R02W, SEC. 4; T28N, R02W, SEC. 28; T28N, R02W, SEC. 32; T28N, R02W, SEC. 33.
Crawford County (Advertised Price \$100,832.50)

SALE NOTE: - Non-certified timber; see sale spec 7.10.1 for more information.

- Military restrictions; see sale spec 5.2.3.7 for more information.

- Oak wilt restrictions; see sale spec 5.2.3.4 and 5.2.3.5 for more information.

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	399.0	MBF	\$ 116.00 / MBF
Red Pine	61.9	MBF	\$ 99.00 / MBF
White Oak	17.1	MBF	\$ 65.00 / MBF
Pulpwood			
Jack Pine	72	Cords	\$ 15.90 / Cord
Misc. Species 1	306	Cords	\$ 5.50 / Cord
Mixed Aspen	222	Cords	\$ 23.85 / Cord
Mixed Hardwood	428	Cords	\$ 24.95 / Cord
Mixed Oak	1,076	Cords	\$ 23.75 / Cord
Red Pine	83	Cords	\$ 32.70 / Cord
White Pine	11	Cords	\$ 21.70 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 5.33 percent. There are an estimated 3,391 cords on this timber sale, plus or minus 181 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$5,042.00 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	23.7%
02	28.4%
03	21.3%
04	13.7%
05	12.9%

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
267,868	3,391	5.33%	3,210	3,572

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
47	75,880	961	11.54%	850	1,071
50	127,702	1,616	7.87%	1,489	1,744
53	31,706	401	11.44%	355	447
56	32,580	412	11.10%	367	458
TOTAL:	267,868	3,391		3,061	3,721

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
47	40.4	1	40.4
50	102.0	2	55.5
		3	35.0
		4	11.5
53	32.1	3	9.7
		4	21.9
		5	0.5
56	11.3	5	11.3
TOTAL:	185.8		185.8

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	BI/R/Hybrid Oak	Sawtimber	54.1	MBF	40.4	\$23,931.90
	Red Pine		20.5	MBF		
	White Oak		5.5	MBF		
	Jack Pine	Pulpwood	6	Cords		
	<i>Jack Pine</i>		6	Cords		
	Misc. Species 1		119	Cords		
	<i>Misc. Species 1</i>	Sawtimber	41.3	MBF		
	<i>Misc. Species 1</i>	Pulpwood	36	Cords		
	Mixed Aspen		127	Cords		
	<i>B. T. Aspen</i>	Sawtimber	31.8	MBF		
	<i>B. T. Aspen</i>	Pulpwood	63	Cords		
	Mixed Hardwood		225	Cords		
	<i>Red Maple</i>	Sawtimber	19.7	MBF		
	<i>Red Maple</i>	Pulpwood	186	Cords		
	Mixed Oak		208	Cords		
	<i>BI/R/Hybrid Oak</i>		197	Cords		
	<i>White Oak</i>		11	Cords		
	Red Pine		24	Cords		
	White Pine		7	Cords		
	<i>White Pine</i>	Sawtimber	1.1	MBF		
<i>White Pine</i>	Pulpwood	5	Cords			
2	BI/R/Hybrid Oak	Sawtimber	152.0	MBF	55.5	\$28,519.45
	White Oak		6.3	MBF		
	Jack Pine	Pulpwood	1	Cords		
	<i>Jack Pine</i>		1	Cords		
	Misc. Species 1		78	Cords		
	<i>Misc. Species 1</i>	Sawtimber	16.5	MBF		
	<i>Misc. Species 1</i>	Pulpwood	45	Cords		
	Mixed Aspen		3	Cords		
	<i>B. T. Aspen</i>		3	Cords		
	Mixed Hardwood		57	Cords		
	<i>Red Maple</i>	Sawtimber	1.4	MBF		
	<i>Red Maple</i>	Pulpwood	54	Cords		
	Mixed Oak		349	Cords		
	<i>BI/R/Hybrid Oak</i>		336	Cords		
	<i>White Oak</i>		13	Cords		
	Red Pine		7	Cords		
	White Pine		1	Cords		
<i>White Pine</i>		1	Cords			
3	BI/R/Hybrid Oak	Sawtimber	100.4	MBF	44.7	\$21,493.90
	Red Pine		12.5	MBF		
	White Oak		4.0	MBF		
	Jack Pine	Pulpwood	20	Cords		
	<i>Jack Pine</i>	Sawtimber	1.7	MBF		
	<i>Jack Pine</i>	Pulpwood	17	Cords		
	Misc. Species 1		61	Cords		
	<i>Misc. Species 1</i>	Sawtimber	11.6	MBF		
	<i>Misc. Species 1</i>	Pulpwood	38	Cords		
	Mixed Aspen		10	Cords		
	<i>B. T. Aspen</i>		2	Cords		
	<i>Quaking Aspen</i>		8	Cords		
	Mixed Hardwood		46	Cords		
	<i>Red Maple</i>	Sawtimber	0.9	MBF		
	<i>Black Cherry</i>	Pulpwood	1	Cords		
	<i>Red Maple</i>		43	Cords		
	Mixed Oak		240	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE			
3 con't	<i>BI/R/Hybrid Oak</i>	<i>Pulpwood</i>	232	<i>Cords</i>					
	<i>White Oak</i>		8	<i>Cords</i>					
	Red Pine		18	<i>Cords</i>					
	White Pine		1	<i>Cords</i>					
	<i>White Pine</i>		1	<i>Cords</i>					
4	<i>BI/R/Hybrid Oak</i>	Sawtimber	41.8	MBF	33.4	\$13,811.95			
	Red Pine		28.3	MBF					
	White Oak		1.3	MBF					
	Jack Pine	Pulpwood	43	Cords					
	<i>Jack Pine</i>	<i>Sawtimber</i>	3.7	<i>MBF</i>					
	<i>Jack Pine</i>	<i>Pulpwood</i>	36	<i>Cords</i>					
	Misc. Species 1		42	Cords					
	<i>Misc. Species 1</i>	<i>Sawtimber</i>	6.2	<i>MBF</i>					
	<i>Misc. Species 1</i>	<i>Pulpwood</i>	30	<i>Cords</i>					
	Mixed Aspen		19	Cords					
	<i>B. T. Aspen</i>		2	<i>Cords</i>					
	<i>Quaking Aspen</i>		17	<i>Cords</i>					
	Mixed Hardwood		35	Cords					
	<i>Red Maple</i>	<i>Sawtimber</i>	0.3	<i>MBF</i>					
	<i>Black Cherry</i>	<i>Pulpwood</i>	2	<i>Cords</i>					
	<i>Red Maple</i>		32	<i>Cords</i>					
	Mixed Oak		117	Cords					
	<i>BI/R/Hybrid Oak</i>		114	<i>Cords</i>					
	<i>White Oak</i>		3	<i>Cords</i>					
	Red Pine		31	Cords					
	White Pine		2	Cords					
	<i>White Pine</i>		2	<i>Cords</i>					
	5	<i>BI/R/Hybrid Oak</i>	Sawtimber	50.7			MBF	11.8	\$13,053.90
		Red Pine		0.6			MBF		
Jack Pine		Pulpwood	1	Cords					
<i>Jack Pine</i>		<i>Sawtimber</i>	0.1	<i>MBF</i>					
<i>Jack Pine</i>		<i>Pulpwood</i>	1	<i>Cords</i>					
Misc. Species 1			5	Cords					
<i>Misc. Species 1</i>		<i>Sawtimber</i>	1.7	<i>MBF</i>					
<i>Misc. Species 1</i>		<i>Pulpwood</i>	2	<i>Cords</i>					
Mixed Aspen			63	Cords					
<i>B. T. Aspen</i>		<i>Sawtimber</i>	1.3	<i>MBF</i>					
<i>B. T. Aspen</i>		<i>Pulpwood</i>	60	<i>Cords</i>					
Mixed Hardwood			65	Cords					
<i>Red Maple</i>		<i>Sawtimber</i>	1.1	<i>MBF</i>					
<i>Red Maple</i>		<i>Pulpwood</i>	63	<i>Cords</i>					
Mixed Oak			162	Cords					
<i>BI/R/Hybrid Oak</i>			162	<i>Cords</i>					
Red Pine			3	Cords					
TOTAL:			478.0	MBF					
TOTAL:			2,196	Cords					

Sale Specific Conditions & Requirements

Sale Name: Area 51 UFOak

Sale Number: 72-608-21 Seq#: 3

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue, red, and yellow paint, or are unmarked and identified by existing roads. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint, with the exception of the southwest portion of Payment Unit 1, which is unmarked and identified by K P Lake Road. Interior Payment Unit boundaries are marked with yellow paint, with the following exceptions: the boundary between Payment Unit 1 and 2 is unmarked and identified by K P Lake Road; the boundary between Payment Unit 3 and 4 is unmarked and identified by the snowmobile trail. 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. 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) 5, cut all trees that are two (2) inches or more at DBH, except do not cut white oak.

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

Within Payment Unit(s) 1-4, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut white oak or trees marked with green paint. In addition, cut all trees within 1 chain (66 feet) of powerlines, regardless of size, species, or merchantability.

2.1.11 - Description of timber note (2/04)

Note that Misc. Species 1 = dead oak, which is designated for cutting.

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. 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 this is military land.

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. A written waiver of this requirement may be obtained if wet summer weather makes winter logging necessary.

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, within Payment Units 1-4, extreme care should be taken to avoid damage to tree seedlings and saplings.

Within the Sale Area, if more than 30% 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. Saplings cut cleanly in skid trails will not count as damaged timber.

Within the Sale Area, if more than 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

4 - Transportation

4.1 - Construction

4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. 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

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

Within Payment Unit(s) 1-4, cutting and skidding within the sale 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. Hauling may be permitted if brushing of access roads into the Sale Area has been completed prior to restrictions coming on. This is necessary to reduce the spread of oak wilt.

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit 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.

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) 3 and 4 in the stand labeled UM8, leave sixteen, 12" or larger diameter (or largest diameter trees within stand) whole trees on the ground. It is preferred that the trees be a hardwood species such as oak or maple, or a pine species if no hardwoods are present (white or red). These will be evenly scattered throughout the stand. These trees will be evenly scattered throughout the Payment Unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles.

5.2.29 - Shrub protection (1/20)

Reasonable care should be taken to avoid cutting or damaging hawthorn or 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.

5.2.41 - Snowmobile trail protection (9/11)

The trail LP47 is a snowmobile trail 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 1. 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 not be used for any timber sale operations from December 1 to March 31 without written approval from the Unit Manager. 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. In addition, any trees cut within 5 feet of the trail must be cut at ground level.

5.8 - Protection of Endangered Species

5.8.3 - Red shoulder hawk or goshawk (2/16)

In the event that an active red shoulder hawk or goshawk nest is found, the contract may be amended to protect the nest site until the nest is determined to be inactive. The value of the trees in this excluded area will be refunded or credited to the Purchaser. The nest will be buffered with a five-chain radius (eight acre) protection area, centered on the nest tree, in which there will be no cutting or new roads constructed. Avoid human disturbance, including loading and skidding, in the protection area.

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from March 15 to July 15. Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.

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 K P Lake Road prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the snowmobile trail 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.

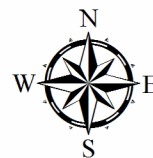
Sale Number	Year
72 - 608	21

Forest Management Unit	County	Mapped By	Date	Page	of
Grayling	Crawford	Scott McClarren	10/12/2021	1	1
Township	Range	Section(s) and Subdivision(s)	Scale		
27N 28N	02W 02W	Sec. 4: NENW,NWNE Sec. 28: SESW, Sec 32: NENE,NESE, Sec 33: NW,NWNE,SW,SWSE	1:15,840		

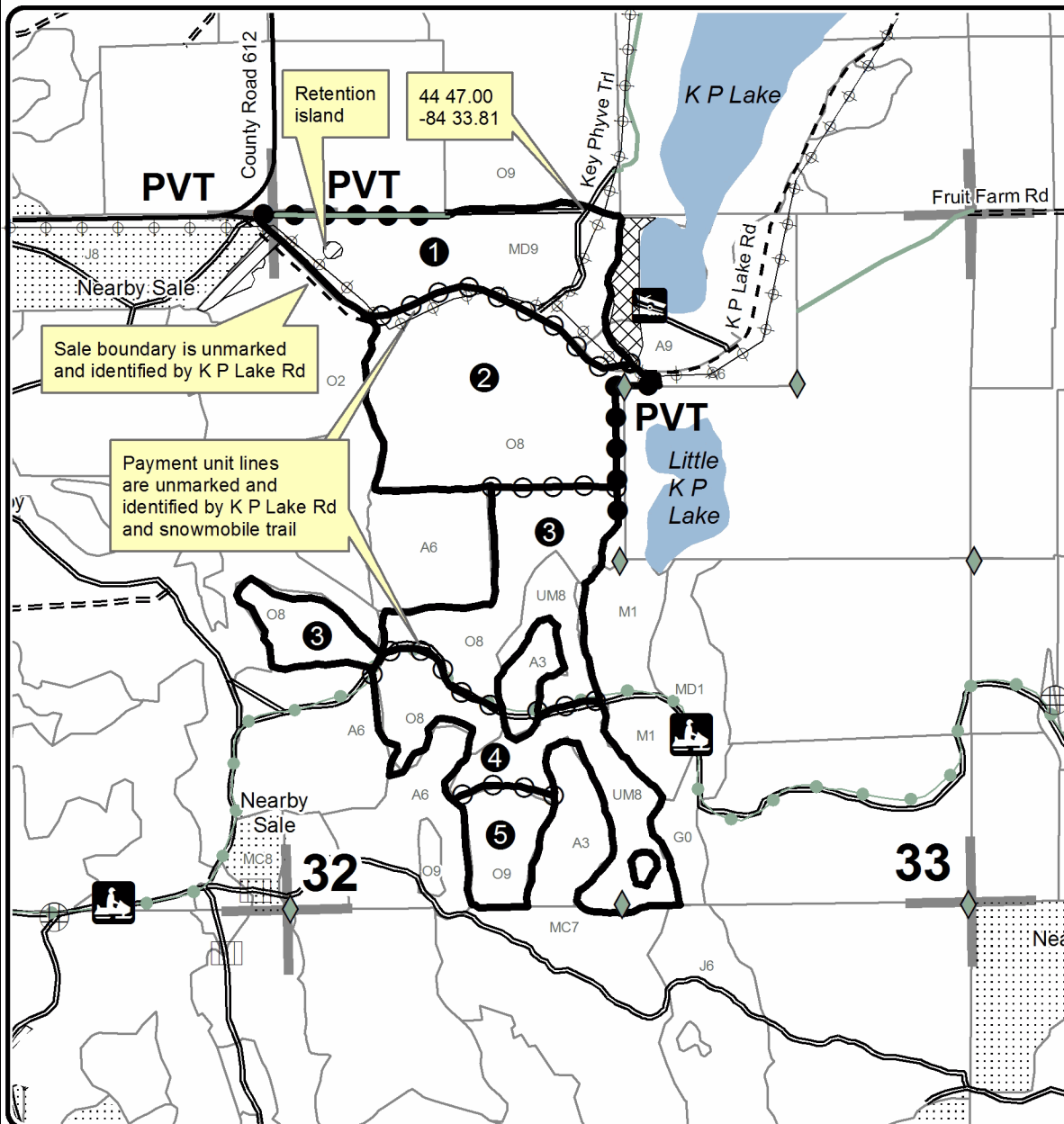
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	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	40.4	4	33.4
2	55.5	5	11.8
3	44.7		

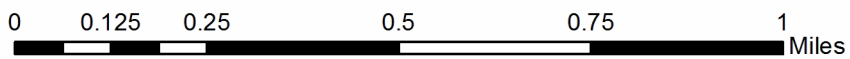
Area 51 UFOak
 Compartment 251
 185.8 Acres



QR Code Opens Map in PDF Maps App



- Against State (Red/Road)
- Payment Unit (Yellow/Road)
- Private Line (Blue)
- Retention Area
- Stand Boundaries
- Lakes
- Boating Access Sites
- 100' Riparian Buffer
- Secondary Forest Road
- Forest Access Route
- Paved Road
- Gravel Road
- Private Road
- Recreational Trails
- PU Label
- Section Corners
- Gate
- Berms
- Field Grade Corners
- Powerline
- Nearby Sales



McMasters Leftovers (72-004-23)
T27N, R01W, SEC. 21; T27N, R01W, SEC. 28; COUNTY

In response to the notice of sale to be held 9:00 a.m. (local time) on February 6, 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			
Northern Pin Oak	11.5 MBF	\$ 116.00/MBF	\$ _____
Red Pine	17.6 MBF	\$ 99.00/MBF	\$ _____
Pulpwood			
Black Cherry	14 Cords	\$ 24.95/Cord	\$ _____
Jack Pine	1,255 Cords	\$ 15.90/Cord	\$ _____
Northern Pin Oak	104 Cords	\$ 23.75/Cord	\$ _____
Red Pine	47 Cords	\$ 32.70/Cord	\$ _____
White Pine	4 Cords	\$ 21.70/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 12.72 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

Oak Along the Watchtower (72-016-22)
T25N, R04W, SEC. 10; T25N, R04W, SEC. 16; T25N, R04W, SEC. 8; T25N, R04W,

In response to the notice of sale to be held 9:00 a.m. (local time) on February 6, 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			
Red Oak	260.7 MBF	\$ 102.00/MBF	\$ _____
Red Pine	9.7 MBF	\$ 99.00/MBF	\$ _____
Sugar Maple	17.7 MBF	\$ 237.00/MBF	\$ _____
White Oak	24.2 MBF	\$ 65.00/MBF	\$ _____
White Pine	5.7 MBF	\$ 63.00/MBF	\$ _____
Pulpwood			
Mixed Hardwood	116 Cords	\$ 24.95/Cord	\$ _____
Mixed Oak	287 Cords	\$ 23.75/Cord	\$ _____
Red Pine	8 Cords	\$ 32.70/Cord	\$ _____
White Pine	5 Cords	\$ 21.70/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 22.30 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

County Line Oak (72-009-22)
T28N, R02E, SEC. 4; T28N, R02E, SEC. 5; Oscoda COUNTY

In response to the notice of sale to be held 9:00 a.m. (local time) on February 6, 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			
Bl/R/Hybrid Oak	56.7 MBF	\$ 105.00/MBF	\$ _____
Pulpwood			
B. T. Aspen	16 Cords	\$ 21.65/Cord	\$ _____
Jack Pine	15 Cords	\$ 14.45/Cord	\$ _____
Mixed Hardwood	291 Cords	\$ 22.65/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 10.05 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

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

FEDERAL ID: _____ - _____ or SOCIAL SECURITY NUMBER: _____ - _____ - _____
 Company or individual bidding: _____
 Company representative's name: _____
 Address: _____
 City: _____ State: _____ Zip: _____

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

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

Phone number : _____ Email (optional): _____

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



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

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

Please Check Appropriate Categories:

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

_____ Full-time Employees

_____ Part-time Employees

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

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

Signature of Owner or Authorized Representative

Title

Date

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

Griffin Road Aspen (72-012-22)
T27N, R01E, SEC. 16; Oscoda COUNTY

In response to the notice of sale to be held 9:00 a.m. (local time) on February 6, 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			
Bl/R/Hybrid Oak	4.8 MBF	\$ 116.00/MBF	\$ _____
Mixed Aspen	214.4 MBF	\$ 60.00/MBF	\$ _____
Red Maple	9.4 MBF	\$ 63.00/MBF	\$ _____
Red Pine	58.9 MBF	\$ 99.00/MBF	\$ _____
White Pine	37.3 MBF	\$ 63.00/MBF	\$ _____
Pulpwood			
Balsam Fir	20 Cords	\$ 10.30/Cord	\$ _____
Black Spruce	55 Cords	\$ 17.50/Cord	\$ _____
Jack Pine	163 Cords	\$ 15.90/Cord	\$ _____
Mixed Aspen	1,324 Cords	\$ 23.85/Cord	\$ _____
Mixed Hardwood	285 Cords	\$ 24.95/Cord	\$ _____
Red Pine	79 Cords	\$ 32.70/Cord	\$ _____
White Pine	96 Cords	\$ 21.70/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 14.02 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

Area 51 UFOak (72-608-21)

T27N, R02W, SEC. 4; T28N, R02W, SEC. 28; T28N, R02W, SEC. 32; T28N, R02W,

In response to the notice of sale to be held 9:00 a.m. (local time) on February 6, 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			
Bl/R/Hybrid Oak	399.0 MBF	\$ 116.00/MBF	\$ _____
Red Pine	61.9 MBF	\$ 99.00/MBF	\$ _____
White Oak	17.1 MBF	\$ 65.00/MBF	\$ _____
Pulpwood			
Jack Pine	72 Cords	\$ 15.90/Cord	\$ _____
Misc. Species 1	306 Cords	\$ 5.50/Cord	\$ _____
Mixed Aspen	222 Cords	\$ 23.85/Cord	\$ _____
Mixed Hardwood	428 Cords	\$ 24.95/Cord	\$ _____
Mixed Oak	1,076 Cords	\$ 23.75/Cord	\$ _____
Red Pine	83 Cords	\$ 32.70/Cord	\$ _____
White Pine	11 Cords	\$ 21.70/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 5.33 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.
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 - A. Sole Proprietorship (individual)
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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.
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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.
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