



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7382**

**SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on March 11, 2024.**

**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:

**Sunday Stroll Mix (72-014-23) / T25N, R04W, SEC. 24, SWNE,SE.**

T25N, R04W, SEC. 25, N1/2NW.

T25N, R04W, SEC. 26, S1/2NE,N1/2SE.

Crawford County, Advertised Price \$221,770.20, 158.6 Acres, Red Pine, Aspen.

SALE NOTE: A gas pipeline runs along the northern boundary of Payment Unit 6. Contact DT Midstream at 1-866-200-3679 prior to operations. Some Payment Units contain bark slippage, bark beetle & oak wilt timing restrictions. Many of the sale boundaries are unmarked and bound by existing roads (see timber sale map and spec 1.2.1 for details). Sale contains snowmobile, motorcycle, and orv trails. Class A road access.

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.

**Iron Belle Trail (72-020-23) / T25N, R04W, SEC. 25, E1/2NW,W1/2NE,SW,N1/2SE,SESE.**

T25N, R04W, SEC. 26, SESE.

Crawford County, Advertised Price \$87,785.30, 177.5 Acres, Red Pine, Hardwood.

SALE NOTE: The harvest has extensive non-motorized pathway interface. The pathways are groomed in winter for cross-country skiing. Three of the Payment Units have a considerable amount of brush and sapling cover that must be cut in order to prepare the sites for cultivation. Several seasonal operating restrictions were applied to address pathway, forest health and rare species concerns. Old 27 was a Class A road at time of timber sale prep.

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.

**Frog Lakes Aspen (72-617-23) / T27N, R02W, SEC. 7 , E1/2NW,NWNE,S1/2NE.**

T27N, R02W, SEC. 8 , W1/2NW.

Crawford County, Advertised Price \$19,298.35, 79.3 Acres, Aspen, Hardwood.

SALE NOTE: The Sale Area is on the northern side of the fenced Range 30 Complex. Access to the area is periodically gated off when the range is active.

Frog Lakes Barrens (72-618-23) / T27N, R02W, SEC. 16, N1/2NW,N1/2NE.

T27N, R02W, SEC. 17, N1/2NE.

T27N, R02W, SEC. 4 , SWSW.

T27N, R02W, SEC. 8 , NE,SE.

T27N, R02W, SEC. 9 , NW,SW,NWSE,S1/2SE.

Crawford County, Advertised Price \$81,747.55, 446.7 Acres, Jack Pine, Hardwood.

SALE NOTE: The sale is located just east of a fenced Military range and is within the North Camp Grayling Pine Barrens Management Area. The harvest was set up to facilitate prescribed burning for pine barrens maintenance. Chipping is required in order to minimize the slash load within the planned burn area. In particular, note that harvest operations are limited to when the ground is snow-covered in order to minimize disturbance to known rare plant populations.

Kevin's Unseen Nest (72-639-23) / T27N, R02W, SEC. 22, S1/2NW,SWNE,SW,W1/2SE.

T27N, R02W, SEC. 23, NWNW.

T27N, R02W, SEC. 27, NWNE.

Crawford County, Advertised Price \$67,501.00, 125.9 Acres, Red Pine, Hardwood.

SALE NOTE: This sale is located within the range 30 complex safety fan on non-certified military land. Sale contains standard military specs and timing restrictions. Sale contains both hard and soft oak wilt timing restrictions. Payment Unit 2 contains timing restrictions for active goshawk nest.

Ditchout Brown Oak (72-640-23) / T27N, R02W, SEC. 23, NWSE,S1/2SE.

T27N, R02W, SEC. 24, S1/2NW,N1/2SW,S1/2SE.

Crawford County, Advertised Price \$81,850.25, 109.8 Acres, Hardwood, Aspen.

SALE NOTE: This sale is located inside the Range 30 safety fan on non-certified military land. Sale contains standard military specs and restrictions. Sale contains hard and soft oak wilt timing restrictions as well.

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

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

Bids must be received by the Unit Manager, GRAYLING OFFICE, 1955 HARTWICK PINES ROAD, GRAYLING, MI 49738, no later than 9:00 a.m. (local time) on March 11, 2024. 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](http://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](http://www.michigan.gov/timber). Contact the Unit Manager for additional information or a sample contract. Within 21 days of the date of the award letter, the bidder must sign the contract and provide the required down payment, performance security, and verification of worker's disability compensation. The down payment and performance security shall be in accordance with the provisions of the timber sale contract, in the sums stated in this prospectus. If these actions are not taken, then the Bidder, the Bidder's corporation, and the corporation's principals may not be permitted to bid on State timber sales for a period of 3 months after the first offense, 6 months after the second offense, and 1 year after the third offense. An offense will only be counted against the Bidder for 5 years. In addition, the Bidder certifies that if awarded this contract, the Bidder will complete the timber sale contract in accordance with its terms and any modifications thereof including requirements to purchase, cut, and remove the included timber by the expiration date.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Scott Bowen  
Director



# TIMBER SALE INFORMATION

Sunday Stroll Mix (72-014-23)  
 T25N, R04W, SEC. 24; T25N, R04W, SEC. 25; T25N, R04W, SEC. 26.  
 Crawford County (Advertised Price \$221,770.20)

SALE NOTE: A gas pipeline runs along the northern boundary of Payment Unit 6. Contact DT Midstream at 1-866-200-3679 prior to operations. Some Payment Units contain bark slippage, bark beetle & oak wilt timing restrictions. Many of the sale boundaries are unmarked and bound by existing roads (see timber sale map and spec 1.2.1 for details). Sale contains snowmobile, motorcycle, and orv trails. Class A road access.

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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
<b>Sawtimber</b>		
Black/Red (Hybrid) Oak	16.7 MBF	\$ 142.00 / MBF
Red Maple	1.0 MBF	\$ 100.00 / MBF
<b>Pulpwood</b>		
B. T. Aspen	53 Cords	\$ 29.45 / Cord
Balsam Fir	13 Cords	\$ 36.35 / Cord
Black Cherry	6 Cords	\$ 32.20 / Cord
Black/Red (Hybrid) Oak	155 Cords	\$ 27.05 / Cord
Jack Pine	265 Cords	\$ 23.15 / Cord
Quaking Aspen	292 Cords	\$ 29.45 / Cord
Red Maple	83 Cords	\$ 32.20 / Cord
Red Pine	4,027 Cords	\$ 46.55 / Cord
Scotch Pine	39 Cords	\$ 9.00 / Cord
White Oak	20 Cords	\$ 27.05 / Cord
White Pine	289 Cords	\$ 24.65 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 30.81 percent. There are an estimated 5,285 cords on this timber sale, plus or minus 1,628 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 \$11,089.00 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	12.8%
02	0.2%
03	28.1%
04	8.4%
05	5.2%
06	9.2%
07	36.1%

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
417,489	5,285	30.81%	3,656	6,913

### 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
2	17,334	219	33.68%	146	293
4	35,901	454	48.07%	236	673
7	48,052	608	19.34%	491	726
8	35,917	455	28.05%	327	582
12	107,630	1,362	15.92%	1,145	1,579
14	644	8	125.77%	0	18
17	44,944	569	26.81%	416	721
18	27,316	346	43.20%	196	495
19	79,186	1,002	9.73%	905	1,100
21	1,906	24	75.56%	6	42
26	5,855	74	43.49%	42	106
27	11,958	151	25.45%	113	190
912	847	11	113.07%	0	23
<b>TOTAL:</b>	<b>417,489</b>	<b>5,285</b>		<b>4,023</b>	<b>6,550</b>

**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
2	12.4	6	12.4
4	7.7	4	7.7
7	30.4	1	30.4
8	25.7	6	25.7
12	31.8	3	31.8
14	2.9	7	2.9
17	6.6	7	6.6
18	16.9	5	16.9
19	9.7	7	9.7
21	5.3	7	5.3
26	5.7	7	5.7
27	1.5	7	1.5
912	2.0	2	2.0
<b>TOTAL:</b>	<b>158.6</b>		<b>158.6</b>

**DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Pulpwood	608	Cords	30.4	\$28,302.40
2	Black/Red (Hybrid) Quaking Aspen Red Maple Red Pine	Pulpwood	1 3 1 6	Cords Cords Cords Cords	2.0	\$426.90
3	Black/Red (Hybrid) Balsam Fir Black/Red (Hybrid) Jack Pine Quaking Aspen Red Maple Red Pine White Pine	Sawtimber Pulpwood	0.7 3 17 3 4 17 1,302 15	MBF Cords Cords Cords Cords Cords Cords Cords	31.8	\$62,380.80
4	B. T. Aspen Black/Red (Hybrid) Quaking Aspen Red Maple Red Pine Scotch Pine White Oak	Pulpwood	12 28 5 10 356 38 5	Cords Cords Cords Cords Cords Cords Cords	7.7	\$18,629.10
5	Black/Red (Hybrid) Balsam Fir Black/Red (Hybrid) Jack Pine Quaking Aspen Red Maple Red Pine White Pine	Sawtimber Pulpwood	1.8 4 31 146 24 2 128 8	MBF Cords Cords Cords Cords Cords Cords Cords	16.9	\$11,546.25
6	Black/Red (Hybrid) Red Maple B. T. Aspen Black Cherry Black/Red (Hybrid) Jack Pine Quaking Aspen Red Maple Red Pine White Pine	Sawtimber Pulpwood	14.2 1.0 41 6 68 114 256 20 49 83	MBF MBF Cords Cords Cords Cords Cords Cords Cords Cords	38.1	\$20,505.65
7	Balsam Fir Black/Red (Hybrid) Jack Pine Red Maple Red Pine Scotch Pine White Oak White Pine	Pulpwood	6 10 2 33 1,578 1 15 183	Cords Cords Cords Cords Cords Cords Cords Cords	31.7	\$79,979.10
TOTAL:			17.7	MBF		
TOTAL:			5,242	Cords		

## Sale Specific Conditions & Requirements

**Sale Name: Sunday Stroll Mix**

**Sale Number: 72-014-23 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 and red paint, along with unpainted roads. Exterior sale boundary lines against private property are marked with blue paint, with the exception of the western portion of the northern boundary of Payment Unit 6, which is unmarked and identified by Fletcher Road. Exterior sale boundary lines against state are marked with red paint, with the exception of the sale boundaries of Payment Units 2, 3, 4, 5, & 6 that are along Old 27, Fletcher Road, & King Road. In addition, the western boundaries of Payment Units 3 & 4 are unmarked and identified by an unnamed forest road, the eastern boundary of Payment Unit 5 is unmarked and identified by unnamed forest road, along with the northern, southern, and western boundaries of Payment Unit 7 which are unmarked and identified by unnamed forest roads, respectively (see Timber Sale Map). Interior Payment Unit boundaries are also unmarked and identified by various roads (see Timber Sale Map). Retention patches are marked with red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected.

### 2 - Timber Specifications

#### 2.1 - Included Timber

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

Within Payment Unit(s) 3, 4, & 7, cut all trees that are one (1) inch or more at DBH, except do not cut trees marked with green paint. Additionally, within Payment Unit 4, cut all dead jack pine.

Within Payment Units 5 & 6, cut all trees that are two (2) inches or more at DBH, except do not cut 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.

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

Within Payment Unit(s) 2, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

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

Within Payment Unit(s) 1, all red pine which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except do not cut any red pine 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)

Payment Units 3, 4, & 7 must be chip harvested to facilitate subsequent planting operations. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portion of the trees must be chipped and hauled. If market conditions limit the practicality of chipping, tops and slash must be arranged in a way that will not inhibit future planting operations, as directed by the Sale Administrator. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter is still applicable (G. C. & R. 2.2).

##### 2.2.3 - Stump heights (4/07)

Stump heights within Payment Units 3, 4, & 7 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) 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, reasonable care should be taken to avoid damage to tree seedlings and saplings within Payment Unit 1.

Within Payment Unit 1, 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 \$400 per acre for all acreage within that specified portion of the Sale Area that was damaged. Trees cut cleanly for skid trails and operability will not count as damaged.

Within Payment Unit 2, if more than 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

#### 3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are marked with green paint. 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 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

#### 5.1.3 - 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 DT Midstream at 1-866-200-3679.

### 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

#### 5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 2, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

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

Within Payment Unit 1, 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. This is necessary to reduce the spread of oak wilt. Hauling may be permitted if the haul route has been brushed prior to restricted time.

#### 5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit 6, 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.

#### 5.2.3.6 - Bark beetle restriction (12/08)

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4 mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

### 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) 6, 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 Payment Unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles.

#### 5.2.29 - Shrub protection (1/20)

Within Payment Units 1, 5, & 6, do not cut or damage hawthorn, dogwood or junberry. These woody-shrub plants are highly beneficial to various wildlife species.

#### 5.2.32 - Decking/landing restoration (9/13)

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

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

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

#### 5.2.39 - ORV trail/route protection (4/18)

There is an ORV trail/route shown on the Timber Sale Map. Do not cut trees or damage posts with yellow ORV markers. All stumps within 5 feet of the trail must be cut flush with the ground. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the ORV trail or route as the centerline. Skidding across the trail or route may only occur in locations approved by the Sale Administrator.

#### 5.2.40 - Pathway protection (10/10)

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

#### 5.2.41 - Snowmobile trail protection (9/11)

LP487 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. 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 permission from the unit manager or his/her representative. The snowmobile trail may only be crossed at right angles. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 20 feet of the snowmobile trail must be cut at ground level.

## **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 roads used for hauling prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

#### **6.2.3 - Recreational trail posting (10/20)**

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



TIMBER SALE MAP

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

Sale Number	Date
<b>72-014-23</b>	<b>12/05/2023</b>

Forest Management Unit	County	Mapped By: Scott McClarren	Scale	Page	Of
Grayling	Crawford	Cruised By: Scott McClarren	1:24,000	1	1

Township	Range	Section(s) and Subdivision(s)
25N	04W	24;SWNE,SE, 25;N1/2NW 26;S1/2NE,N1/2SE

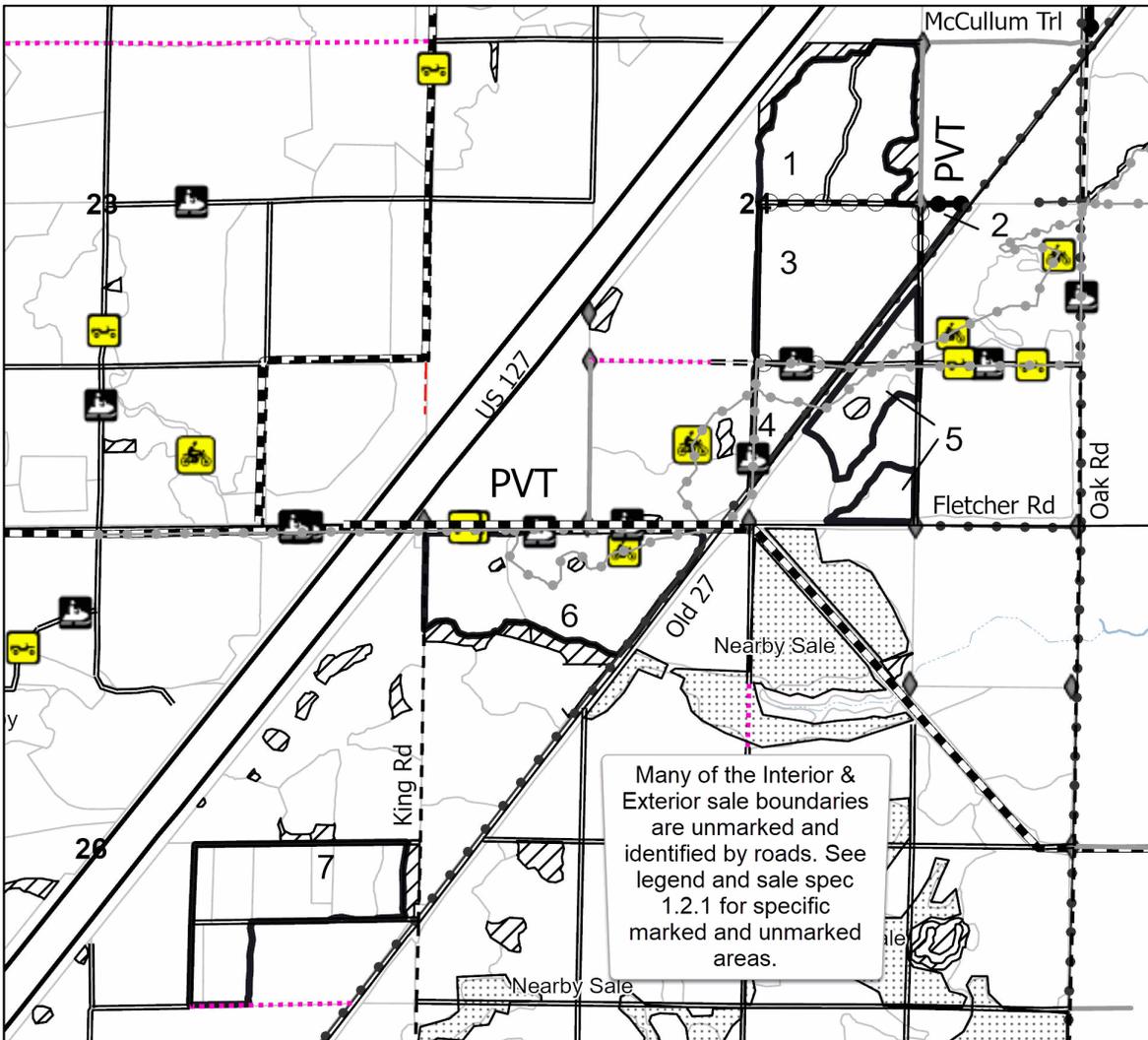
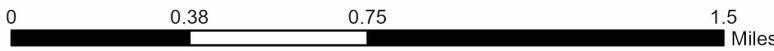
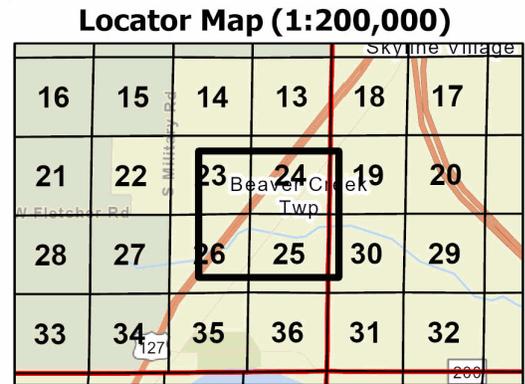
Cover Type			
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Tread Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous	Z = Water	
H = Hemlock	N = Marsh		

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

PU # Acres

1	30.4
2	2.0
3	31.8
4	7.7
5	16.9
6	38.1
7	31.7

**Sunday Stroll Mix  
Comp 195**  
158.6 Acres



Legend

- Against State (Red/Unmarked Rd)
- Payment Unit (Unmarked Rd)
- Private Line (Blue)
- Secondary Forest Road
- Forest Access Route
- Paved Road
- Gravel Road
- County Road - Seasonal
- Private Road
- Temporary Management Access
- Highway
- ◆ Field Grade Corner
- Pipeline
- Powerline
- Intermittent Stream
- Perennial River
- Recreational Trail
- Nearby Sale
- ▨ Retention Areas
- Stand
- 🏍️ Motorcycle
- 🏍️ Motorcycle (DNR License)
- 🏍️ ORV Route
- 🏍️ Snowmobile

Many of the Interior & Exterior sale boundaries are unmarked and identified by roads. See legend and sale spec 1.2.1 for specific marked and unmarked areas.

Use QR Code to open Map in App





## TIMBER SALE INFORMATION

### Iron Belle Trail (72-020-23)

T25N, R04W, SEC. 25; T25N, R04W, SEC. 26.  
Crawford County (Advertised Price \$87,785.30)

SALE NOTE: The harvest has extensive non-motorized pathway interface. The pathways are groomed in winter for cross-country skiing. Three of the Payment Units have a considerable amount of brush and sapling cover that must be cut in order to prepare the sites for cultivation. Several seasonal operating restrictions were applied to address pathway, forest health and rare species concerns. Old 27 was a Class A road at time of timber sale prep.

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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Northern Pin Oak	11.8 MBF	\$ 50.00 / MBF
White Oak	7.0 MBF	\$ 71.00 / MBF
White Pine	13.7 MBF	\$ 52.00 / MBF
Pulpwood		
Jack Pine	243 Cords	\$ 15.45 / Cord
Misc. Species 2	25 Cords	\$ 5.00 / Cord
Mixed Aspen	311 Cords	\$ 19.65 / Cord
Mixed Hardwood	226 Cords	\$ 21.45 / Cord
Mixed Oak	291 Cords	\$ 18.05 / Cord
Red Pine	2,098 Cords	\$ 31.05 / Cord
Scotch Pine	2 Cords	\$ 6.00 / Cord
White Pine	45 Cords	\$ 16.45 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 20.13 percent. There are an estimated 3,318 cords on this timber sale, plus or minus 668 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 \$4,389.00 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	11.8%
02	7.3%
03	3.9%
04	5.5%
05	18.3%
06	5.6%
07	1.9%
08	16.7%
09	20.4%
10	4.9%
11	3.7%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2027.

### **SALE STATISTICS**

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

### SALE VOLUMES

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

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
262,093	3,318	20.13%	2,650	3,986

### 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
22	2,426	31	0.00%	31	31
31	17,227	218	33.90%	144	292
38	1,421	18	0.00%	18	18
39	1,716	22	0.00%	22	22
40	37,019	469	34.84%	305	632
43	572	7	0.00%	7	7
44	11,385	144	41.33%	85	204
49	33,208	420	44.48%	233	607
50	24,445	309	40.79%	183	436
53	15,995	202	32.05%	138	267
58	75,082	950	15.87%	800	1,101
59	12,071	153	42.44%	88	218
122	7,009	89	10.11%	80	98
138	8,832	112	4.14%	107	116
149	8,577	109	10.42%	97	120
158	4,449	56	0.00%	56	56
238	660	8	0.00%	8	8
<b>TOTAL:</b>	<b>262,093</b>	<b>3,318</b>		<b>2,402</b>	<b>4,233</b>

**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
22	23.4	11	23.4
31	16.2	10	16.2
38	33.0	4	33.0
39	6.0	5	6.0
40	12.2	1	12.2
43	1.9	4	1.9
44	11.0	5	11.0
49	10.3	5	10.3
50	13.9	2	12.3
		4	1.6
53	11.3	6	11.3
58	21.2	8	10.7
		9	10.5
59	8.5	8	0.3
		9	8.2
122	0.5	11	0.5
138	1.4	4	1.4
149	2.5	3	2.5
158	3.1	7	3.1
238	1.1	4	1.1
<b>TOTAL:</b>	<b>177.5</b>		<b>177.5</b>

**DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Northern Pin Oak	Sawtimber	5.6	MBF	12.2	\$10,316.60
	White Oak		2.0	MBF		
	White Pine		12.0	MBF		
	Misc. Species 2	Pulpwood	7	Cords		
	Mixed Aspen		129	Cords		
	<i>Quaking Aspen</i>		129	Cords		
	Mixed Hardwood		122	Cords		
	<i>Red Maple</i>		122	Cords		
	Mixed Oak		53	Cords		
	<i>Northern Pin Oak</i>		33	Cords		
	<i>White Oak</i>		20	Cords		
	Red Pine		88	Cords		
	White Pine		24	Cords		
2	White Oak	Sawtimber	1.7	MBF	12.3	\$6,440.10
	Jack Pine	Pulpwood	20	Cords		
	Mixed Aspen		52	Cords		
	<i>Quaking Aspen</i>		52	Cords		
	Mixed Hardwood		62	Cords		
	<i>Black Cherry</i>		8	Cords		
	<i>Red Maple</i>		54	Cords		
	Mixed Oak		33	Cords		
	<i>Northern Pin Oak</i>		21	Cords		
	<i>White Oak</i>		12	Cords		
	Red Pine		96	Cords		
	White Pine		5	Cords		
3	Red Pine	Pulpwood	109	Cords	2.5	\$3,384.45
4	White Oak	Sawtimber	0.2	MBF	39.0	\$4,862.10
	Jack Pine	Pulpwood	11	Cords		
	Misc. Species 2		7	Cords		
	Mixed Aspen		7	Cords		
	<i>Quaking Aspen</i>		7	Cords		
	Mixed Hardwood		8	Cords		
	<i>Black Cherry</i>		1	Cords		
	<i>Red Maple</i>		7	Cords		
	Mixed Oak		19	Cords		
	<i>Northern Pin Oak</i>		7	Cords		
	<i>White Oak</i>		12	Cords		
	Red Pine		128	Cords		
White Pine		1	Cords			
5	Northern Pin Oak	Sawtimber	3.3	MBF	27.3	\$16,103.05
	White Oak		1.5	MBF		
	Jack Pine	Pulpwood	37	Cords		
	Misc. Species 2		3	Cords		
	Mixed Aspen		14	Cords		
	<i>Quaking Aspen</i>		14	Cords		
	Mixed Hardwood		2	Cords		
	<i>Black Cherry</i>		2	Cords		
	Mixed Oak		89	Cords		
	<i>Northern Pin Oak</i>		77	Cords		
	<i>White Oak</i>		12	Cords		
Red Pine		429	Cords			
6	Jack Pine	Pulpwood	81	Cords	11.3	\$4,915.25
	Misc. Species 2		1	Cords		
	Mixed Hardwood		7	Cords		
	<i>Black Cherry</i>		5	Cords		
	<i>Red Maple</i>		2	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
6 con't	Red Pine	Pulpwood	113	Cords		
7	Jack Pine	Pulpwood	2	Cords	3.1	\$1,707.60
	Red Pine		54	Cords		
8	White Oak	Sawtimber	0.5	MBF	11.0	\$14,684.25
	Jack Pine	Pulpwood	3	Cords		
	Mixed Aspen		4	Cords		
	<i>Quaking Aspen</i>		4	Cords		
	Mixed Hardwood		5	Cords		
	<i>Red Maple</i>		5	Cords		
	Mixed Oak		16	Cords		
	<i>Northern Pin Oak</i>		8	Cords		
	<i>Red Oak</i>		2	Cords		
	<i>White Oak</i>		6	Cords		
	Red Pine		455	Cords		
9	White Oak	Sawtimber	1.1	MBF	18.7	\$17,812.05
	White Pine		0.6	MBF		
	Jack Pine	Pulpwood	2	Cords		
	Mixed Aspen		63	Cords		
	<i>B. T. Aspen</i>		11	Cords		
	<i>Quaking Aspen</i>		52	Cords		
	Mixed Hardwood		8	Cords		
	<i>Red Maple</i>		8	Cords		
	Mixed Oak		29	Cords		
	<i>Northern Pin Oak</i>		17	Cords		
	<i>Red Oak</i>		1	Cords		
	<i>White Oak</i>		11	Cords		
	Red Pine		500	Cords		
	White Pine		13	Cords		
10	Northern Pin Oak	Sawtimber	2.9	MBF	16.2	\$4,283.25
	White Pine		1.1	MBF		
	Jack Pine	Pulpwood	81	Cords		
	Misc. Species 2		2	Cords		
	Mixed Aspen		42	Cords		
	<i>Quaking Aspen</i>		42	Cords		
	Mixed Hardwood		11	Cords		
	<i>Black Cherry</i>		3	Cords		
	<i>Red Maple</i>		8	Cords		
	Mixed Oak		33	Cords		
	<i>Northern Pin Oak</i>		33	Cords		
	Red Pine		36	Cords		
	Scotch Pine		2	Cords		
	White Pine		2	Cords		
11	Jack Pine	Pulpwood	6	Cords	23.9	\$3,276.60
	Misc. Species 2		5	Cords		
	Mixed Hardwood		1	Cords		
	<i>Red Maple</i>		1	Cords		
	Mixed Oak		19	Cords		
	<i>Northern Pin Oak</i>		17	Cords		
	<i>White Oak</i>		2	Cords		
	Red Pine		90	Cords		
TOTAL:			32.5	MBF		
TOTAL:			3,241	Cords		

## Sale Specific Conditions & Requirements

**Sale Name: Iron Belle Trail**

**Sale Number: 72-020-23 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 red and yellow paint or are unmarked and identified by a road or utility corridor. Exterior sale boundary lines against state are marked with red paint, in addition to unpainted boundaries along roads and utility corridors (see Timber Sale Map). Interior Payment Unit boundaries are marked with yellow paint, in addition to unpainted boundaries along roads (see Timber Sale Map). The red painted boundary line trees are not Included Timber and are to be protected except, cut the red painted boundary line trees on Payment Units 1-10 that meet the applicable Included Timber cutting specifications. 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, 2 & 8-10, cut all trees that are two (2) inches or more at DBH, except do not cut trees with green paint. In addition, intact patches of regeneration greater than two (2) inches at DBH may be left uncut if stems are not bent/broken.

Within Payment Units 4, 5, & 11, cut all trees that are one (1) inch or more at DBH, including dead oak. These Payment Units are scheduled to be trenched and planted back to red pine, so they must be cut cleanly in order to facilitate cultivation. Disregard the faded green paint in Payment Units 4 & 11 which is from a past harvest.

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

Within Payment Unit(s) 3, cut all red pine trees which meet minimum piece specifications in 2.2 Utilization.

Within Payment Unit 6, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut any northern pin oak that are less than ten (10) inches at DBH, or any white pine, white oak, or trees marked with green paint.

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

Within Payment Unit(s) 7, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, cut all jack pine that meet minimum piece specifications in 2.2 Utilization.

##### 2.1.11 - Description of timber note (2/04)

Note that Misc. Species 2 = dead oak in Payment Units 4, 5, 6, & 11. All red pine, jack pine, aspen, & red maple were cruised as pulp. Oak was also cruised as pulp across most of the Sale Area due to low quality. The scattered red pine overstory trees in Payment Units 4 & 11 were tally cruised. Payment Unit 3 was also tally cruised.

#### 2.2 - Utilization

##### 2.2.2 - Chipping required (2/18)

Payment Units 4, 5, & 11 must be chip harvested to facilitate subsequent planting operations. 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 treetops 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 Payment Units 4, 5, & 11 shall not exceed 6 inches for all trees. This is necessary to facilitate planting operations.

Stump heights within Payment Units 1-3 & 6-10 shall not exceed 12 inches for trees greater than 10 inches DBH and 6 inches for trees smaller than 10 inches DBH.

Stumps bordering pathways shall be cut as specified in 5.2.40 - Pathway Protection.

#### 2.2.6 - Roundwood operation required (3/21)

The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Units 1, 6 & 10, unless changed by written agreement. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

### 3 - Payments

#### 3.3 - Pre-measured Sales

##### 3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 5, 8, & 9 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, reasonable care should be taken to avoid damage to tree seedlings & saplings less than two (2) inches at DBH in Payment Units 1, 2 & 8-10, and to tree seedlings & saplings of any size in Payment Units 3, 6 & 7.

Within the Sale Area, if more than 30% of the described tree seedlings or saplings 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. Operable paths will need to be cut through pockets of dense regeneration; if cut cleanly (not leaving bent/broken stems) those paths will not be considered damaged areas.

No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 10% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber or at a rate of \$100 per sawtimber tree and \$20 per pole sized tree, whichever is greater.

### 4 - Transportation

#### 4.1 - Construction

##### 4.1.3 - Slash and earthen piles (8/04)

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

##### 4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be chipped, 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 may require constructing a four (4') foot high berm of stumps and logs covered with earth, or scattering stumps & slash across a stretch of the road. Contact the Sale Administrator for specific details of design and placement.

##### 4.1.11 - Permits (2/12)

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

### 5 - Operations

#### 5.1 - Notification

### 5.1.1 - Pre-sale conference (10/16)

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

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

The Purchaser is responsible for contacting the gas or pipeline company at least 5 days prior to operating equipment in the vicinity of well heads or natural gas pipelines. Contact DTE at 231-258-3750 in order to coordinate access plans. Harvest operations may begin away from the pipeline, while DTE takes any necessary steps to armor the planned pipeline crossing(s).

### 5.1.4 - Post-sale conference (10/16)

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

## 5.2 - Conduct of Operations

### 5.2.1 - Slash

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

Slash is to be disposed of as directed by Sale Administrator (ie: flattening taller slash piles within the visual depth zone of the pathway).

### 5.2.3 - Operating Restrictions

#### 5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1, 2, 5-7 & 10, tree felling adjacent to the pathway is not permitted during the ski trail grooming season. This restriction is necessary to keep woodchips and slash off of the groomed snow surface.

#### 5.2.3.2 - Operating restrictions (9/11)

Within Payment Unit(s) 6, cutting and skidding are limited to when the ground is snow-covered or frozen. This restriction is needed to protect habitat for a rare species.

#### 5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 7, cutting and skidding are not permitted during the period of April 15 to July 15, unless changed by written agreement. This restriction is because of bark slippage.

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

Within Payment Units 1-3 & 6-10, cutting, skidding, and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

#### 5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Units 4, 5 & 11, 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.

#### 5.2.3.6 - Bark beetle restriction (12/08)

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4 mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

### 5.2.22 - Operating Caution

#### 5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 10, cutting, skidding, and hauling occur during dry

summer or frozen winter conditions. The reason for the recommendation is because the Payment Unit contains ground with a seasonal high water table. Note that Payment Unit 6 also has low ground inclusions, but operations there are limited by spec 5.2.3.2.

#### 5.2.29 - Shrub protection (1/20)

In Payment Units 1-3 & 6-10, reasonable care should be taken to avoid cutting or damaging hawthorn or juneberry. These woody-shrub plants are highly beneficial to various wildlife species.

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

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

#### 5.2.40 - Pathway protection (10/10)

The Iron Belle Trail and Beaver Creek Trail are non-motorized pathways and are shown on the Timber Sale Map. Do not cut trees or damage posts with blue pathway markers. Maintain a 20-foot-wide slash, debris, and rut free zone daily, using the pathway as the centerline. Cut stumps flush along the pathway edge. Do not run equipment down the pathway. Skidding across the trail may only occur in locations approved by the Sale Administrator. Damages will be assessed for unapproved equipment operations at a rate of \$250 per crossing.

### 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 are 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 on roads leading to harvest units 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. Signs only need to be posted on active Payment Units. The Purchaser will provide these signs.

#### 6.2.3 - Recreational trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the Iron Bell & Beaver Creek trails prior to beginning operations. The trail must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic at both ends of the trail. Signs must be removed when harvest operations are suspended or completed. Signs only need to be posted on active Payment Units. The Purchaser will provide these signs.

## 7 - Other Conditions

### 7.5 - Loss

#### 7.5.1 - Deteriorating timber (7/09)

The sale area has received damage from Diplodia in the red pine and decline in the jack pine. The Purchaser should harvest the wood as soon as possible. The Department of Natural Resources is held free of responsibility of any further damage or deterioration due to delay in harvesting.



# TIMBER SALE MAP

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

Forest Management Unit Graying	County Crawford	Mapped By Charlebois	Date 10/13/2023	Page 1	of 1
Township 25N	Range 04W	Section(s) and Subdivision(s) Sec 25: W1/2NE, E1/2NW, SW, N1/2SE, SESE; Sec 26: SESE	Scale 1:10,000		

### Cover Type

A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh
D = Tread Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine
E = Swamp Hdwoods	M = Mpl. Bch, Brch	R = Red Pine	X = Non Stocked
MC = Mixed Conifer			

### Density

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

### Legend

- \* \* Pipeline
  - ⊕ Powerline
  - ▬ Paved County Road
  - ▬▬ Gravel County Road
  - - Forest Road
  - - - Pathway
  - - - Motorcycle Trail
  - - - Intermittent Stream
  - Cover Type Line
  - ⋯ Nearby Sales
- Sale Boundary**
- ▬ Against State - Red Paint & designated unpainted
  - ⊙ Payment Unit - Yellow Paint & designated unpainted
  - ① Payment Unit #
  - ⊠ Retention Island - Red Paint

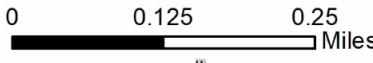
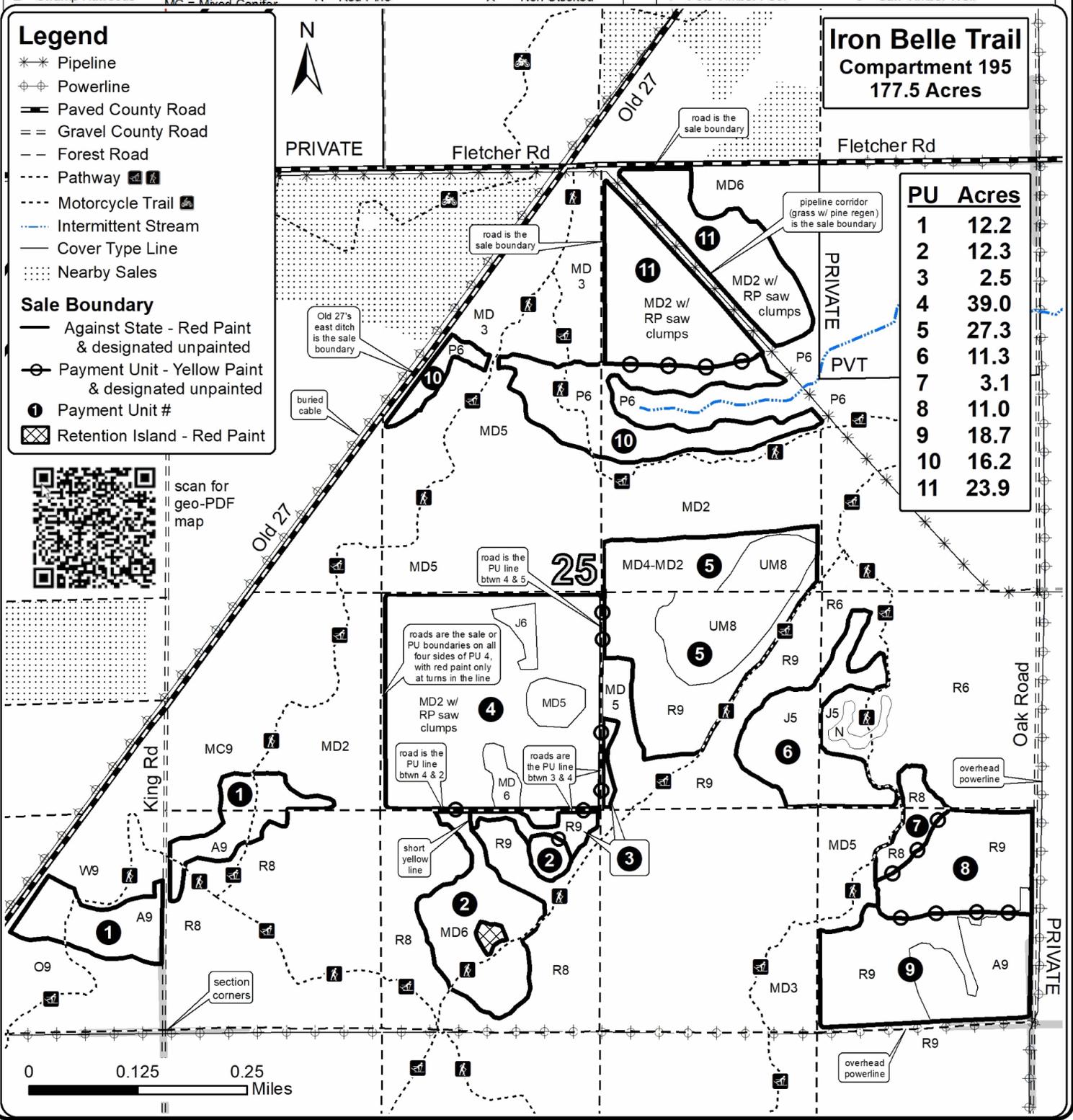


scan for geo-PDF map



**Iron Belle Trail**  
**Compartment 195**  
**177.5 Acres**

PU	Acres
1	12.2
2	12.3
3	2.5
4	39.0
5	27.3
6	11.3
7	3.1
8	11.0
9	18.7
10	16.2
11	23.9



## TIMBER SALE INFORMATION

Frog Lakes Aspen (72-617-23)  
T27N, R02W, SEC. 7; T27N, R02W, SEC. 8.  
Crawford County (Advertised Price \$19,298.35)

SALE NOTE: The Sale Area is on the northern side of the fenced Range 30 Complex. Access to the area is periodically gated off when the range is active.

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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Northern Pin Oak	3.8 MBF	\$ 104.00 / MBF
White Oak	7.3 MBF	\$ 78.00 / MBF
Pulpwood		
Jack Pine	62 Cords	\$ 16.95 / Cord
Misc. Species 2	46 Cords	\$ 5.50 / Cord
Mixed Aspen	439 Cords	\$ 21.60 / Cord
Mixed Hardwood	70 Cords	\$ 23.60 / Cord
Mixed Oak	297 Cords	\$ 19.85 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 15.09 percent. There are an estimated 973 cords on this timber sale, plus or minus 147 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 \$965.00 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	72.5%
02	15.3%
03	12.2%
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
76,833	973	15.09%	826	1,119

**VDU VOLUMES**

A VDU is a Volume Determination Unit. Volumes and their associated statistics are calculated at the VDU level and summarized to the sale level. There is often a one to one relationship between a VDU and a Payment Unit, but not always, depending on the cruise design. Refer to the VDU TO PAYMENT UNIT table.

VDU	VOLUME		PERCENT ERROR	RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
3	58,292	738	16.85%	614	862
15	9,208	117	82.31%	21	213
16	9,333	118	30.57%	82	154
<b>TOTAL:</b>	<b>76,833</b>	<b>973</b>		<b>716</b>	<b>1,229</b>

**VDU TO PAYMENT UNIT**

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

VDU	VDU ACRES	PU	PU ACRES
3	66.2	1	66.2
15	5.7	2	5.7
16	7.4	3	7.4
<b>TOTAL:</b>	<b>79.3</b>		<b>79.3</b>

**DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Northern Pin Oak	Sawtimber	3.0	MBF	66.2	\$13,982.55
	White Oak		6.0	MBF		
	Jack Pine	Pulpwood	19	Cords		
	Misc. Species 2		46	Cords		
	Mixed Aspen		260	Cords		
	<i>B. T. Aspen</i>		197	<i>Cords</i>		
	<i>Quaking Aspen</i>		63	<i>Cords</i>		
	Mixed Hardwood		70	Cords		
	<i>Black Cherry</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		68	<i>Cords</i>		
	Mixed Oak		270	Cords		
	<i>Northern Pin Oak</i>		184	<i>Cords</i>		
	<i>Red Oak</i>	5	<i>Cords</i>			
	<i>White Oak</i>	81	<i>Cords</i>			
2	Northern Pin Oak	Sawtimber	0.8	MBF	5.7	\$2,952.45
	White Oak		1.3	MBF		
	Jack Pine	Pulpwood	6	Cords		
	Mixed Aspen		117	Cords		
	<i>B. T. Aspen</i>		117	<i>Cords</i>		
	Mixed Oak		7	Cords		
	<i>Northern Pin Oak</i>		3	<i>Cords</i>		
	<i>White Oak</i>		4	<i>Cords</i>		
3	Jack Pine	Pulpwood	37	Cords	7.4	\$2,363.35
	Mixed Aspen		62	Cords		
	<i>B. T. Aspen</i>		8	<i>Cords</i>		
	<i>Quaking Aspen</i>		54	<i>Cords</i>		
	Mixed Oak		20	Cords		
	<i>Northern Pin Oak</i>		20	<i>Cords</i>		
TOTAL:			11.1	MBF		
TOTAL:			914	Cords		

## Sale Specific Conditions & Requirements

**Sale Name: Frog Lakes Aspen**

**Sale Number: 72-617-23 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 red paint, along with a road. Exterior sale boundary lines against state are marked with red paint, with the exception of the northern boundary of Payment Unit 1, which is unpainted and identified by the unnamed forest road (see Timber Sale Map). The painted boundary line trees are not Included Timber and are to be protected, with the exception of all red-painted boundary line trees bordering mapped roads, along with any boundary line aspen trees that are marked red, regardless of if they are near a road or not. Trees meeting these two exceptions are to be cut.

### 2 - Timber Specifications

#### 2.1 - Included Timber

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

Within Payment Unit(s) 1, 2, & 3, cut all trees that are two (2) inches or more at DBH, except do not cut red pine, white pine, or any trees marked with green paint.

##### 2.1.11 - Description of timber note (2/04)

Note that Misc species 2 = dead oak that the top hasn't broke out of. In addition, please note that all aspen, red maple, and jack pine were cruised as pulp.

#### 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 treetops and limbs less than four inches in diameter does not apply (G. C. & R. 2.2) because the sale is not on certified lands.

##### 2.2.3 - Stump heights (4/07)

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

### 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. There will be only one division per Payment Unit.

#### 3.4 - Damaged Timber

##### 3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured.

No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 10% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber, or at a rate of \$100 per sawtimber tree and \$20 per pole sized tree, whichever is greater.

### 4 - Transportation

#### 4.1 - Construction

#### 4.1.3 - Slash and earthen piles (8/04)

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

#### 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 dispersed into 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. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Stumps and brush may also need to be broadcast spread across the first stretch of trail behind the berm. Overgrown roads that are reopened shall be considered new roads. Contact the Sale Administrator for specific details of closure design and placement.

#### 4.1.11 - Permits (2/12)

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

## 5 - Operations

### 5.1 - Notification

#### 5.1.1 - Pre-sale conference (10/16)

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

#### 5.1.4 - Post-sale conference (10/16)

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

#### 5.1.5 - National Guard notification (2/15)

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

### 5.2 - Conduct of Operations

#### 5.2.2 - 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 Units 1-3, 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.

##### 5.2.3.7 - National Guard training restriction (1/09)

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

#### 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) 1-3, leave one 12" diameter or larger log-length (8 foot minimum) piece on the ground for every 2 acres. These pieces will be evenly scattered throughout the Payment Unit, preferably at least 100 feet from any roads 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.

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

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

### 5.4 - Soil Protection

#### 5.4.1 - Rutting restriction, general (7/16)

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

## 6 - Safety and Fire Prevention

### 6.2 - Signing

#### 6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the mapped roads that border the sale prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. Signs only need to be posted for a Payment Unit when harvest equipment is being operated within that Unit. 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

### 7.5 - Loss

#### 7.5.1 - Deteriorating timber (7/09)

The sale area has received damage from decline & mortality in northern pin oak, quaking aspen, and jack pine. The Purchaser should harvest the wood as soon as possible. The Department of Natural Resources is held free of responsibility of any further damage or deterioration due to delay in harvesting.

### 7.10 - Certified Timber

#### 7.10.1 - Non-certified timber (2/16)

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



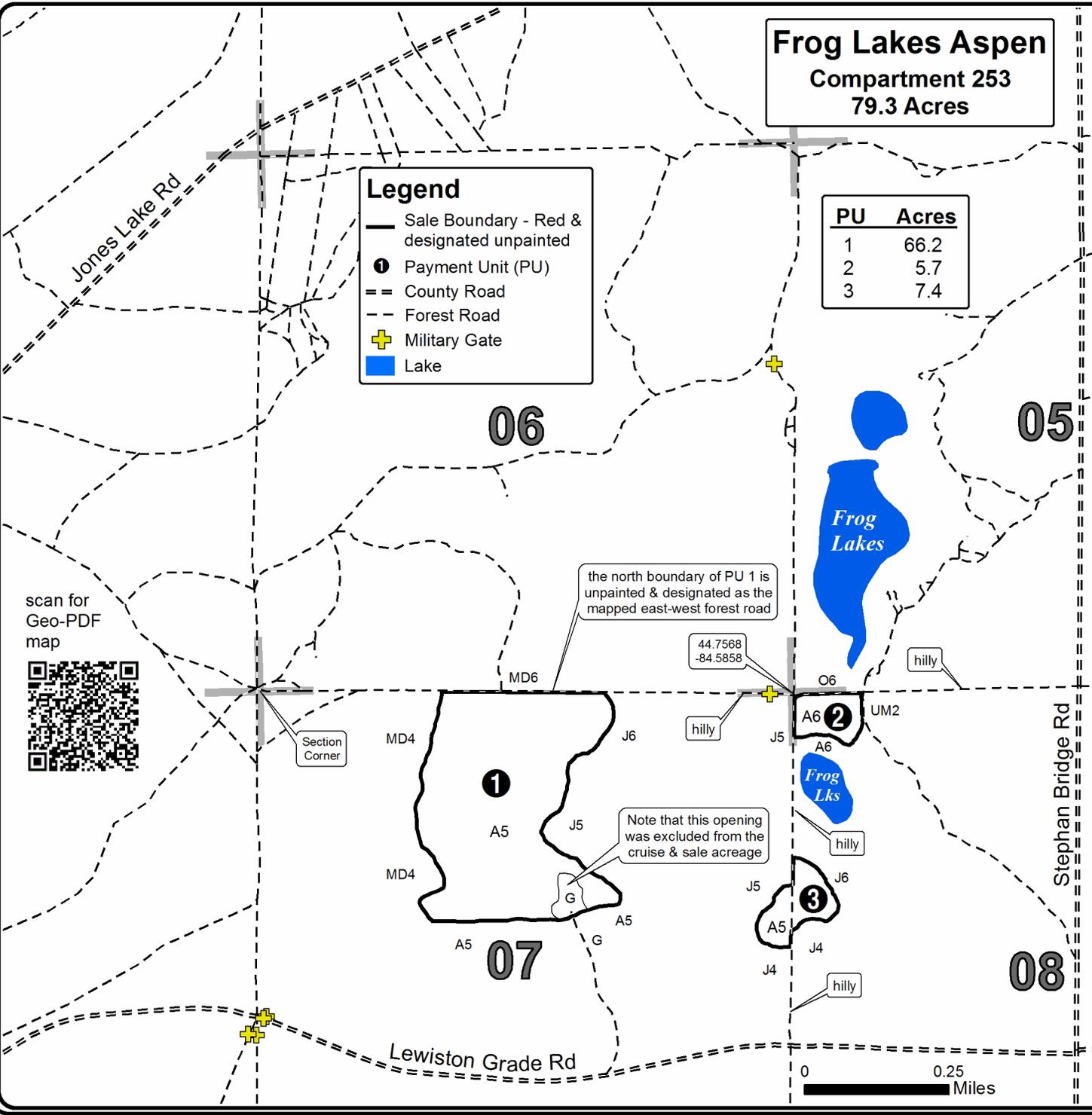
# TIMBER SALE MAP

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

Sale Number	Year
72 - 617	23

Forest Management Unit Grayling	County Crawford	Mapped By Charlebois	Date 06/19/2023	Page 1	of 1
Township 27N	Range 2W	Section(s) and Subdivision(s) Sec 7: E1/2NW, NWNE, S1/2NE Sec 8: W1/2NW	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			





## TIMBER SALE INFORMATION

### Frog Lakes Barrens (72-618-23)

T27N, R02W, SEC. 16; T27N, R02W, SEC. 17; T27N, R02W, SEC. 4; T27N, R02W, SEC. 8; T27N, R02W, SEC. 9.  
Crawford County (Advertised Price \$81,747.55)

SALE NOTE: The sale is located just east of a fenced Military range and is within the North Camp Grayling Pine Barrens Management Area. The harvest was set up to facilitate prescribed burning for pine barrens maintenance. Chipping is required in order to minimize the slash load within the planned burn area. In particular, note that harvest operations are limited to when the ground is snow-covered in order to minimize disturbance to known rare plant populations.

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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Mixed Oak	48.6 MBF	\$ 95.00 / MBF
Pulpwood		
Jack Pine	4,587 Cords	\$ 15.45 / Cord
Misc. Species 2	16 Cords	\$ 5.00 / Cord
Mixed Aspen	118 Cords	\$ 19.65 / Cord
Mixed Oak	214 Cords	\$ 18.05 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 10.42 percent. There are an estimated 5,045 cords on this timber sale, plus or minus 526 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 \$4,087.00 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	38.7%
02	17.6%
03	28.2%
04	15.5%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2027.

### **SALE STATISTICS**

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

### **SALE VOLUMES**

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

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
398,572	5,045	10.42%	4,519	5,571

## 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
28	9,455	120	51.03%	59	181
29	19,291	244	26.44%	180	309
30	3,672	46	50.61%	23	70
32	282	4	142.91%	0	9
33	186,733	2,364	14.71%	2,016	2,711
34	48,597	615	16.66%	513	718
35	76,298	966	16.42%	807	1,124
36	48,106	609	18.37%	497	721
39	6,137	78	49.13%	40	116
<b>TOTAL:</b>	<b>398,572</b>	<b>5,045</b>		<b>4,134</b>	<b>5,958</b>

## 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
28	9.0	1	9.0
29	23.1	1	23.1
30	21.3	1	2.8
		2	18.5
32	3.2	2	3.2
33	167.4	1	76.8
		2	60.8
		3	29.8
34	69.0	1	9.7
		2	2.1
		3	51.1
		4	6.1
35	58.5	1	15.3
		3	27.5
		4	15.7
36	69.6	1	3.3
		3	8.7
		4	57.6
39	25.6	3	25.6
<b>TOTAL:</b>	<b>446.7</b>		<b>446.7</b>

**DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Oak	Sawtimber	48.6	MBF	140.0	\$31,649.00
	<i>/Red (Hybrid) Oak</i>		13.4	MBF		
	<i>Northern Pin Oak</i>		6.0	MBF		
	<i>White Oak</i>		29.2	MBF		
	Jack Pine	Pulpwood	1,456	Cords		
	Misc. Species 2		16	Cords		
	Mixed Aspen		78	Cords		
	<i>B. T. Aspen</i>		78	Cords		
	Mixed Oak		162	Cords		
	<i>/Red (Hybrid) Oak</i>		16	Cords		
	<i>Northern Pin Oak</i>		53	Cords		
	<i>White Oak</i>		93	Cords		
	2		Jack Pine	Pulpwood		
Mixed Aspen	27	Cords				
<i>B. T. Aspen</i>	27	Cords				
Mixed Oak	14	Cords				
<i>Northern Pin Oak</i>	14	Cords				
3	Jack Pine	Pulpwood	1,447	Cords	142.7	\$23,044.80
Mixed Aspen	13		Cords			
<i>B. T. Aspen</i>	13		Cords			
Mixed Oak	24		Cords			
<i>Northern Pin Oak</i>	24		Cords			
4	Jack Pine	Pulpwood	804	Cords	79.4	\$12,674.50
Mixed Oak	14		Cords			
<i>Northern Pin Oak</i>	14		Cords			
TOTAL:			48.6	MBF		
TOTAL:			4,935	Cords		

## Sale Specific Conditions & Requirements

**Sale Name: Frog Lakes Barrens**

**Sale Number: 72-618-23 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 unpainted roads, with red or yellow paint present at road intersections. Exterior sale boundary lines against state are designated as the exterior roads, with red paint marked at road intersections (see Timber Sale Map). Interior Payment Unit boundaries are designated as the interior roads, with yellow paint marked at road intersections (see Timber Sale Map). The interior retention islands are marked with red paint and are not part of the harvest area. The retention island boundary line trees are not Included Timber and are to be protected. Cut all exterior sale boundary line trees and Payment Unit line trees once the Payment Units have been paid for.

### 2 - Timber Specifications

#### 2.1 - Included Timber

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

Within Payment Unit(s) 1-4, cut all trees that are two (2) inches or more at DBH, except do not cut red pine, white pine, or any trees marked with green paint.

Within 200 feet of the sale boundary, retention islands, & Payment Unit boundaries, cut all trees and snags that are one (1) inch or more at DBH, except do not cut red pine, white pine, or trees marked with green paint.

##### 2.1.11 - Description of timber note (2/04)

Note that misc species 2 = dead oak that is within 200 feet of the Payment Unit boundaries. Note also that all aspen, red maple, and jack pine were cruised as pulp.

The harvest encompasses:

23 acres of "O7" that had been shelterwood harvested.

9 acres of "MD6" with relatively uniform pole oak-JP-aspen (avg. 6-7" DBH).

226 acres of "J6" that is relatively uniform, clean-boled, and small-diameter (avg. 6-7" DBH).

139 acres of "J5" that has patchy, variable cover with open-grown form common (stocky, heavy limbs, avg. 8-10" DBH).

50 acres of "J2-J4" that has majority sapling cover with scattered merch stems.

#### 2.2 - Utilization

##### 2.2.2 - Chipping required (2/18)

This area must be chip harvested to meet National Guard requirements and to facilitate planned prescribed burning. 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 treetops and limbs less than four inches in diameter does not apply (G. C. & R. 2.2) because the sale is not on certified lands.

##### 2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 6 inches for all trees in order to meet 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. No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if

more than 10% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber, or at a rate of \$100 per sawtimber tree and \$20 per pole sized tree, whichever is greater.

#### **4 - Transportation**

##### 4.1 - Construction

###### 4.1.3 - Slash and earthen piles (8/04)

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

###### 4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be chipped or utilized. 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. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Stumps and brush may also need to be broadcast spread across the first stretch of trail behind the berm. Overgrown roads that are reopened shall be considered new roads. Contact the Sale Administrator for specific details of closure design and placement.

###### 4.1.11 - Permits (2/12)

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

#### **5 - Operations**

##### 5.1 - Notification

###### 5.1.1 - Pre-sale conference (10/16)

A pre-sale conference on site between the Purchaser and sale administrator is required prior to beginning any operations to determine landing and road locations. The most current rare species location data will be checked at that time in order to ensure that landings are located outside of known occurrences. In addition, the Alleghany plum recorded in Payment Unit 1 will be flagged for visibility. The Unit Manager or his/her representative must be contacted at least 5 days in advance to schedule the conference.

###### 5.1.4 - Post-sale conference (10/16)

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

###### 5.1.5 - National Guard notification (2/15)

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

##### 5.2 - Conduct of Operations

###### 5.2.2 - 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. In addition, snags that are more than 200 feet away from the sale boundaries, retention islands, and Payment Unit boundaries are to be protected and left standing unless they are a safety hazard.

###### 5.2.3 - Operating Restrictions

###### 5.2.3.2 - Operating restrictions (9/11)

Within Payment Unit(s) 1-4, cutting and skidding are limited to when the ground is snow-covered. This restriction is to minimize disturbance to rare plant populations.

#### 5.2.3.7 - National Guard training restriction (1/09)

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

#### 5.2.29 - Shrub protection (1/20)

Do not cut or damage hawthorn, juneberry, or Alleghany plum. These woody-shrub plants are highly beneficial to various wildlife species. The recorded location for Alleghany plum will be flagged-off at the pre-work meeting to ensure that this rare shrub is protected.

#### 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.

### 5.5 - Protection of Improvements

#### 5.5.3 - Protection of improvements detail (10/13)

The following are specific protection measures for this sale: Protect signs and markers associated with Firing Point 611. Do not site a landing within that opening and leave it clear of slash. In addition, protect Military gates. Repairing damage to gates or other infrastructure will be at the contractor's expense.

## 6 - Safety and Fire Prevention

### 6.2 - Signing

#### 6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the mapped roads that border the sale prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. Signs only need to be posted for a Payment Unit when harvest equipment is being operated within that Unit. 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

### 7.5 - Loss

#### 7.5.1 - Deteriorating timber (7/09)

The sale area has received damage from jack pine budworm and oak decline. The Purchaser should harvest the wood as soon as possible. The Department of Natural Resources is held free of responsibility of any further damage or deterioration due to delay in harvesting.

### 7.10 - Certified Timber

#### 7.10.1 - Non-certified timber (2/16)

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



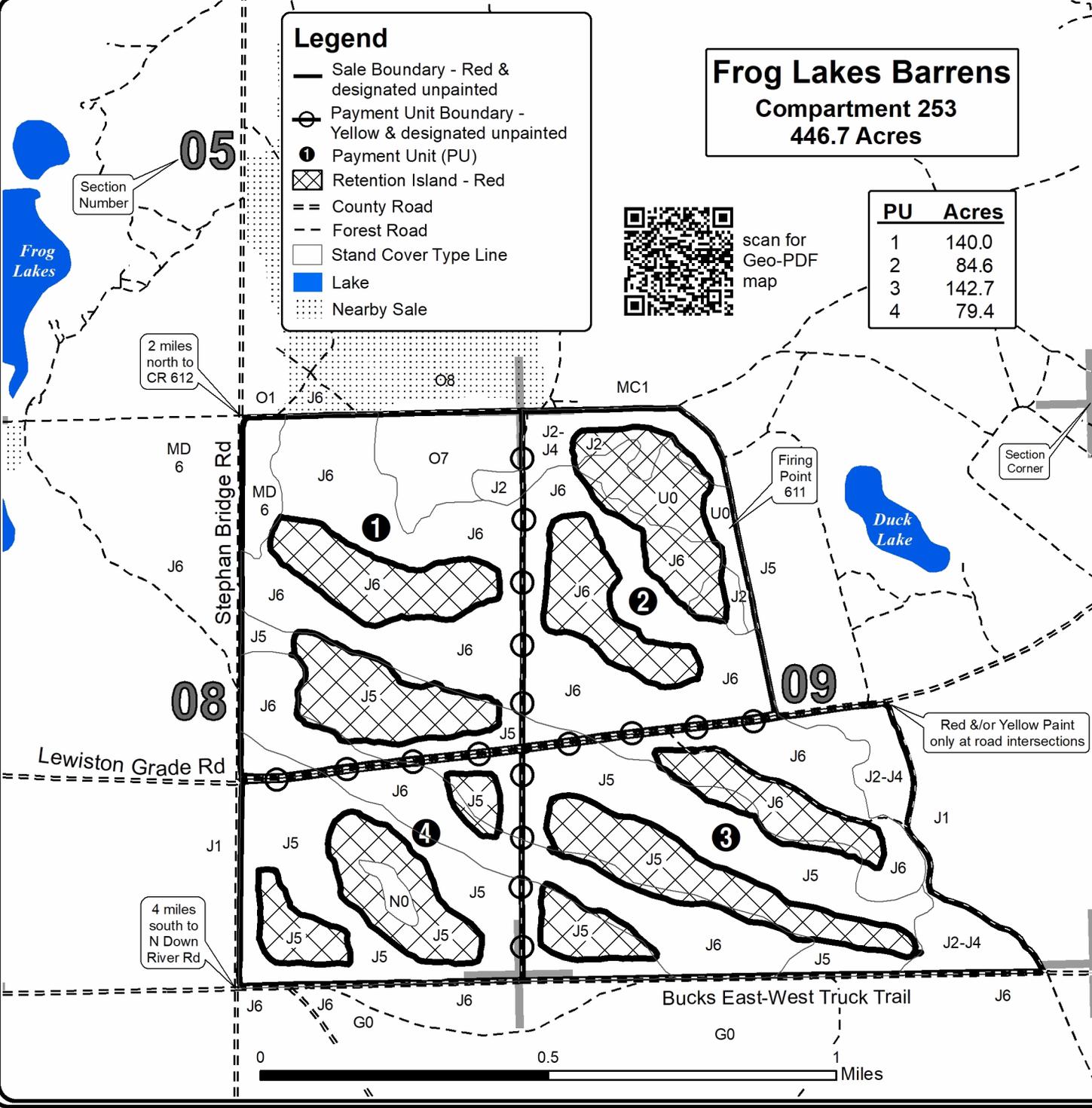


# TIMBER SALE MAP

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

Forest Management Unit Grayling	County Crawford	Mapped By Charlebois	Date 10/12/2023	Page 1	of 1
Township 27N	Range 2W	Section(s) and Subdivision(s) Sec 8: E1/2 Sec 9: W1/2, W1/2SE, 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			



## TIMBER SALE INFORMATION

Kevin's Unseen Nest (72-639-23)

T27N, R02W, SEC. 22; T27N, R02W, SEC. 23; T27N, R02W, SEC. 27.  
Crawford County (Advertised Price \$67,501.00)

SALE NOTE: This sale is located within the range 30 complex safety fan on non-certified military land. Sale contains standard military specs and timing restrictions. Sale contains both hard and soft oak wilt timing restrictions. Payment Unit 2 contains timing restrictions for active goshawk nest.

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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Black/Red (Hybrid) Oak	76.1 MBF	\$ 142.00 / MBF
White Oak	30.3 MBF	\$ 107.00 / MBF
Pulpwood		
B. T. Aspen	193 Cords	\$ 29.45 / Cord
Black/Red (Hybrid) Oak	166 Cords	\$ 27.05 / Cord
Jack Pine	63 Cords	\$ 23.15 / Cord
Misc. Species 1	32 Cords	\$ 5.25 / Cord
Red Maple	36 Cords	\$ 32.20 / Cord
Red Pine	817 Cords	\$ 46.55 / Cord
White Oak	91 Cords	\$ 27.05 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 22.46 percent. There are an estimated 1,647 cords on this timber sale, plus or minus 370 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 \$3,375.00 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	38.9%
02	30.3%
03	29.0%
04	1.8%

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
130,109	1,647	22.46%	1,277	2,017

**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
9	16,760	212	58.30%	88	336
10	35,513	450	30.54%	312	587
12	19,042	241	40.66%	143	339
13	17,390	220	36.74%	139	301
18	37,141	470	32.66%	317	624
21	4,261	54	48.73%	28	80
<b>TOTAL:</b>	<b>130,109</b>	<b>1,647</b>		<b>1,027</b>	<b>2,267</b>

**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
9	6.1	1	6.1
10	20.1	1	20.1
12	16.0	3	16.0
13	18.4	3	18.4
18	55.2	2	53.0
		3	2.2
21	10.1	4	10.1
<b>TOTAL:</b>	<b>125.9</b>		<b>125.9</b>

**DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black/Red (Hybrid	Sawtimber	35.5	MBF	26.2	\$26,230.35
	White Oak		12.6	MBF		
	B. T. Aspen	Pulpwood	130	Cords		
	Black/Red (Hybrid		58	Cords		
	Jack Pine		55	Cords		
	Red Maple		21	Cords		
	Red Pine		244	Cords		
	White Oak		42	Cords		
	2		Black/Red (Hybrid	Sawtimber		
White Oak	13.0	MBF				
2	Black/Red (Hybrid	Pulpwood	12	Cords		
	Misc. Species 1		8	Cords		
	Red Pine		362	Cords		
	White Oak		17	Cords		
	3		Black/Red (Hybrid	Sawtimber	27.7	MBF
White Oak	3.8	MBF				
3	B. T. Aspen	Pulpwood	63	Cords		
	Black/Red (Hybrid		85	Cords		
	Jack Pine		6	Cords		
	Red Maple		13	Cords		
	Red Pine		211	Cords		
	White Oak		27	Cords		
	4		Black/Red (Hybrid	Sawtimber	3.2	MBF
White Oak	0.9	MBF				
4	Black/Red (Hybrid	Pulpwood	11	Cords		
	Jack Pine		2	Cords		
	Misc. Species 1		24	Cords		
	Red Maple		2	Cords		
	White Oak		5	Cords		
TOTAL:			106.4	MBF		
TOTAL:			1,398	Cords		

## Sale Specific Conditions & Requirements

Sale Name: Kevin's Unseen Nest

Sale Number: 72-639-23 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 red and yellow paint, along with roads. Exterior sale boundary lines against state are marked with red paint, with the exception of the northern & western boundaries of Payment Unit 4, which are unmarked and represented by Wakely Bridge Road & an unnamed forest road (see Timber Sale Map). 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

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

Within Payment Unit(s) 2 & 3, cut all trees that are two (2) inches or more at DBH, except do not cut 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.

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

Within Payment Unit(s) 1, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut 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.

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

Within Payment Unit(s) 4, all which meet minimum piece specifications in 2.2 Utilization, are designated for cutting.

##### 2.1.11 - Description of timber note (2/04)

Note that Miscellaneous Species 1 = dead oak.

#### 2.2 - Utilization

##### 2.2.2 - Chipping required (2/18)

Payment Units 1-4 must be chip harvested to facilitate subsequent planting operations and to meet National Guard requirements. However, the chipping requirement could be waived with military approval, if chip markets are depressed. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portion of the trees must be chipped and hauled. If market conditions limit the practicality of chipping, tops and slash must be arranged in a way that will not inhibit future planting operations, as directed by the Sale Administrator. The requirement to retain approximately 1/6 to 1/3 of treetops and limbs less than four inches in diameter does not apply (G. C. & R. 2.2). This is because sale is on non-certified military land.

##### 2.2.3 - Stump heights (4/07)

Stump heights within Payment Units 1-4 shall not exceed 6 inches for all trees. This is in order to facilitate military requirements and planting operations.

### 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, reasonable care should be taken to avoid damage to tree seedlings and saplings.

Within Payment Units 1 & 4, 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 \$400 per acre for all acreage within that specified portion of the Sale Area that was damaged. Trees cut cleanly in skid trails and for operational purposes will not be counted as damage.

#### 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 legacy trees marked with green paint. 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 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

###### 5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 2, unless changed by written agreement, cutting, skidding, and hauling are not permitted during the period of March 15 to July 15. This restriction is because there is an active goshawk nest within a ten (10) chain radius of Payment Unit 2.

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

Within Payment Unit 4, 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. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

#### 5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Units 1, 2, & 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.

#### 5.2.3.7 - 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.

#### 5.2.29 - Shrub protection (1/20)

Within Payment Units 1 & 4, reasonable care should be taken to avoid cutting or damaging hawthorn & junberry. 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.

### 5.8 - Protection of Endangered Species

#### 5.8.3 - Red shoulder hawk or goshawk (1) (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 (NLP). 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 Wakely Bridge Road and Ketcham Truck Trail prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

SKIP

#### 6.4 - Unexploded ordinance (7/15)

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

## 7 - Other Conditions

### 7.10 - Certified Timber

7.10.1 - Non-certified timber (2/16)

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



### TIMBER SALE MAP

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

Sale Number <b>72-639-23</b>	Date 09/27/2023
Scale 1:15,840	Page 1
	Of 1

Forest Management Unit Grayling Mgt Unit	County Crawford	Mapped By: Money Bros, McClarren
		Cruised By: Scott McClarren

Township 27N	Range 02W	Section(s) and Subdivision(s) Sec. 22 S1/2NW,SWNE,SW,W1/2SE; Sec. 23 NWNW; Sec. 27 NWNE;
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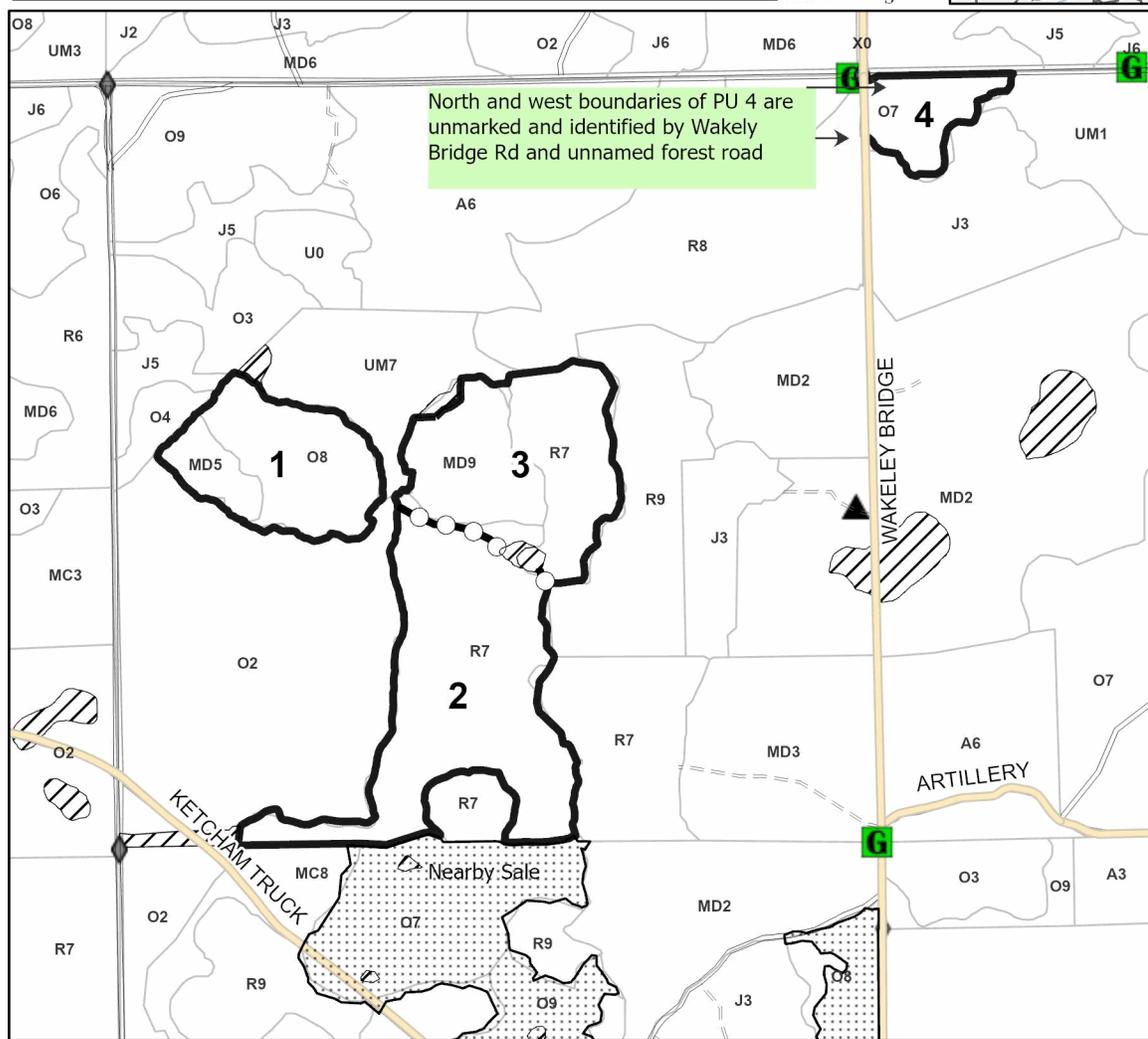
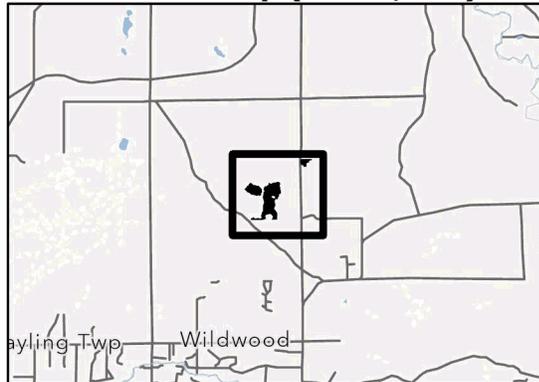
Cover Type			
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous	Z = Water	
H = Hemlock	N = Marsh		

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

PU #	Acres
1	26.2
2	53.0
3	36.6
4	10.1

## Kevin's Unseen Nest Comp 260 125.9 Acres

### Locator Map (1:200,000)



### Legend

- Stand
- Retention Areas
- Nearby Timber Sale
- Against State (Red/Road)
- Payment Unit (Yellow)
- Gravel Road
- County Road - Seasonal
- Private Road
- Secondary Forest Road
- Forest Access Route
- Non-DNR Road
- Field Grade Corner
- Berm
- Gate

Use QR Code to open Map in App



## TIMBER SALE INFORMATION

Ditchout Brown Oak (72-640-23)  
T27N, R02W, SEC. 23; T27N, R02W, SEC. 24.  
Crawford County (Advertised Price \$81,850.25)

**SALE NOTE:** This sale is located inside the Range 30 safety fan on non-certified military land. Sale contains standard military specs and restrictions. Sale contains hard and soft oak wilt timing restrictions as well.

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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Black/Red (Hybrid) Oak	180.9 MBF	\$ 142.00 / MBF
White Oak	80.6 MBF	\$ 107.00 / MBF
Pulpwood		
B. T. Aspen	435 Cords	\$ 29.45 / Cord
Jack Pine	7 Cords	\$ 23.15 / Cord
Mixed Oak	956 Cords	\$ 27.05 / Cord
Red Maple	190 Cords	\$ 32.20 / Cord
Red Pine	54 Cords	\$ 46.55 / Cord
White Pine	3 Cords	\$ 24.65 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 18.76 percent. There are an estimated 2,258 cords on this timber sale, plus or minus 424 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

### **BOND AND PAYMENT SCHEDULE:**

1. A bond in the amount of \$4,093.00 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	14.4%
02	53.7%
03	31.9%
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
178,378	2,258	18.76%	1,834	2,682

## 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
36	15,617	198	43.47%	112	284
39	45,420	575	34.14%	379	771
47	92,437	1,170	15.53%	988	1,352
58	24,904	315	27.79%	228	403
<b>TOTAL:</b>	<b>178,378</b>	<b>2,258</b>		<b>1,706</b>	<b>2,810</b>

## 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
36	7.5	3	7.5
39	20.1	3	20.1
47	57.6	2	57.6
58	24.6	1	24.6
<b>TOTAL:</b>	<b>109.8</b>		<b>109.8</b>

**DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black/Red (Hybrid	Sawtimber	14.8	MBF	24.6	\$11,767.50
	White Oak		33.0	MBF		
	B. T. Aspen	Pulpwood	61	Cords		
	Jack Pine		7	Cords		
	Mixed Oak		100	Cords		
	<i>/Red (Hybrid) Oak</i>		36	<i>Cords</i>		
	<i>White Oak</i>		64	<i>Cords</i>		
	Red Maple		11	Cords		
	<i>Red Maple</i>	<i>Sawtimber</i>	1.4	<i>MBF</i>		
	<i>Red Maple</i>	<i>Pulpwood</i>	8	<i>Cords</i>		
	Red Pine		24	Cords		
2	Black/Red (Hybrid	Sawtimber	125.5	MBF	57.6	\$43,998.05
	White Oak		33.7	MBF		
	B. T. Aspen	Pulpwood	128	Cords		
	Mixed Oak		608	Cords		
	<i>/Red (Hybrid) Oak</i>		412	<i>Cords</i>		
	<i>White Oak</i>		196	<i>Cords</i>		
	Red Maple		37	Cords		
	<i>Red Maple</i>		37	<i>Cords</i>		
	Red Pine		25	Cords		
	3	Black/Red (Hybrid	Sawtimber	40.6		
White Oak			13.9	MBF		
B. T. Aspen		Pulpwood	246	Cords		
Mixed Oak			248	Cords		
<i>/Red (Hybrid) Oak</i>			168	<i>Cords</i>		
<i>White Oak</i>			80	<i>Cords</i>		
Red Maple			142	Cords		
<i>Red Maple</i>		<i>Sawtimber</i>	3.3	<i>MBF</i>		
<i>Red Maple</i>		<i>Pulpwood</i>	135	<i>Cords</i>		
Red Pine			5	Cords		
White Pine			3	Cords		
TOTAL:			261.5	MBF		
TOTAL:			1,645	Cords		

## Sale Specific Conditions & Requirements

**Sale Name: Ditchout Brown Oak**

**Sale Number: 72-640-23 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 red paint, along with unmarked immature stands. Exterior sale boundary lines against state are marked with red paint, with the exception of the northwest boundary of Payment Unit 1 and the northern boundary of Payment Unit 2, which are unmarked and identified by immature stands labeled "MD2" & "A3" on the Timber Sale Map. Retention patches are marked with red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected.

### 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 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. Special protection areas identified in accordance with condition 3.4.3, within clearcutting unit boundaries, are not Included Timber and are to be protected.

#### 2.2 - Utilization

##### 2.2.2 - Chipping required (2/18)

Payment Units 1-3 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 treetops and limbs less than four inches in diameter does not apply (G. C. & R. 2.2). This is because this is non-certified military land.

##### 2.2.3 - Stump heights (4/07)

Stump heights within Payment Units 1-3 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, reasonable care should be taken to avoid damage to tree seedlings and saplings within Payment Unit 1.

Within Payment Unit 1, 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 \$400 per acre for all acreage within that specified portion of the Sale Area that was damaged. Trees cut cleanly in skid trails and for operational purposes will not be counted as damage.

##### 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 legacy trees marked with green paint. 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.

#### 3.4.3 - Special Protection Areas (8/11)

The Purchaser shall protect special protection areas from damage by the Purchaser's operations. Special protection areas are marked with a red boundary line and are identified by red hashed area on the Timber Sale Map. If the Purchaser's operations have cut or damaged special protection areas through carelessness, the Purchaser shall pay \$1000 as fixed, agreed and liquidated damages for each acre or part thereof 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

##### 5.1.5 - 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 1, 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. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

###### 5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Units 2 & 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.

#### 5.2.3.7 - 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, 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 Payment Unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles.

##### 5.2.29 - Shrub protection (1/20)

Do not cut or damage hawthorn & 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.

##### 5.2.37 - No decking areas (12/08)

No decking is allowed in the red hashed area labeled "G0" on the Timber Sale Map.

#### 5.4 - Soil Protection

##### 5.4.2 - Skid trails (2/04)

Skid trails up and down slopes should be avoided. If however this is unavoidable, these trails will be left in a non-erodible condition using water bars, logs, and slash. Placing of slash on these skid trails while logging is ongoing may alleviate need for any further action. At the direction of the sale administrator, seed, fertilizer, and mulch may also be required.

#### 5.7 - Protection of Historical Sites

##### 5.7.1 - Historical sites (7/12)

The Purchaser shall not cut live or dead trees or operate equipment within historical sites. Historical sites are marked with a red boundary line. The Purchaser shall protect historical sites from damage by the Purchaser's operations. If Purchaser's operations have cut or damaged historical sites through carelessness, the Purchaser shall pay \$1000 as fixed, agreed and liquidated damages for each acre or part thereof cut or damaged.

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

#### SKIP

##### 6.4 - Unexploded ordinance (7/15)

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

### 7 - Other Conditions

#### 7.10 - Certified Timber

##### 7.10.1 - Non-certified timber (2/16)

The area encompassed by this timber sale is not certified to the standards of the Forest Stewardship Council (FSC) or the

Sustainable Forestry Initiative (SFI). Forest products from this sale may not be delivered to the mill as "FSC and / or SFI certified". The lands within this sale are managed for military training.



### TIMBER SALE MAP

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

Sale Number  
**72-640-23**

Date  
**11/29/2023**

Forest Management Unit	County	Mapped By: Scott McClarren
Grayling Mgt Unit	Crawford	Cruised By: Scott McClarren

Scale	Page	Of
1:20,000	1	1

Township	Range	Section(s) and Subdivision(s)
27N	02W	Sec. 23 NWSE,S1/2SE; Sec. 24 S1/2NW,N1/2SW,S1/2SE

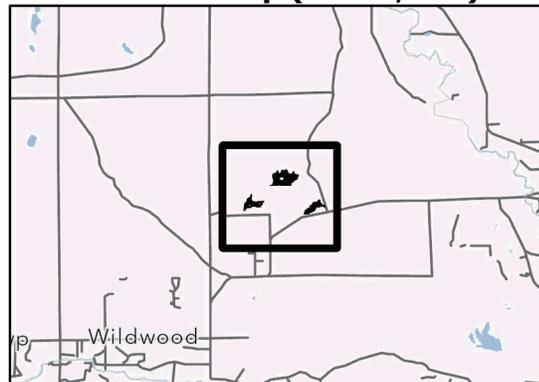
#### Cover Type

A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
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F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous	Z = Water	
H = Hemlock	N = Marsh		

#### Density

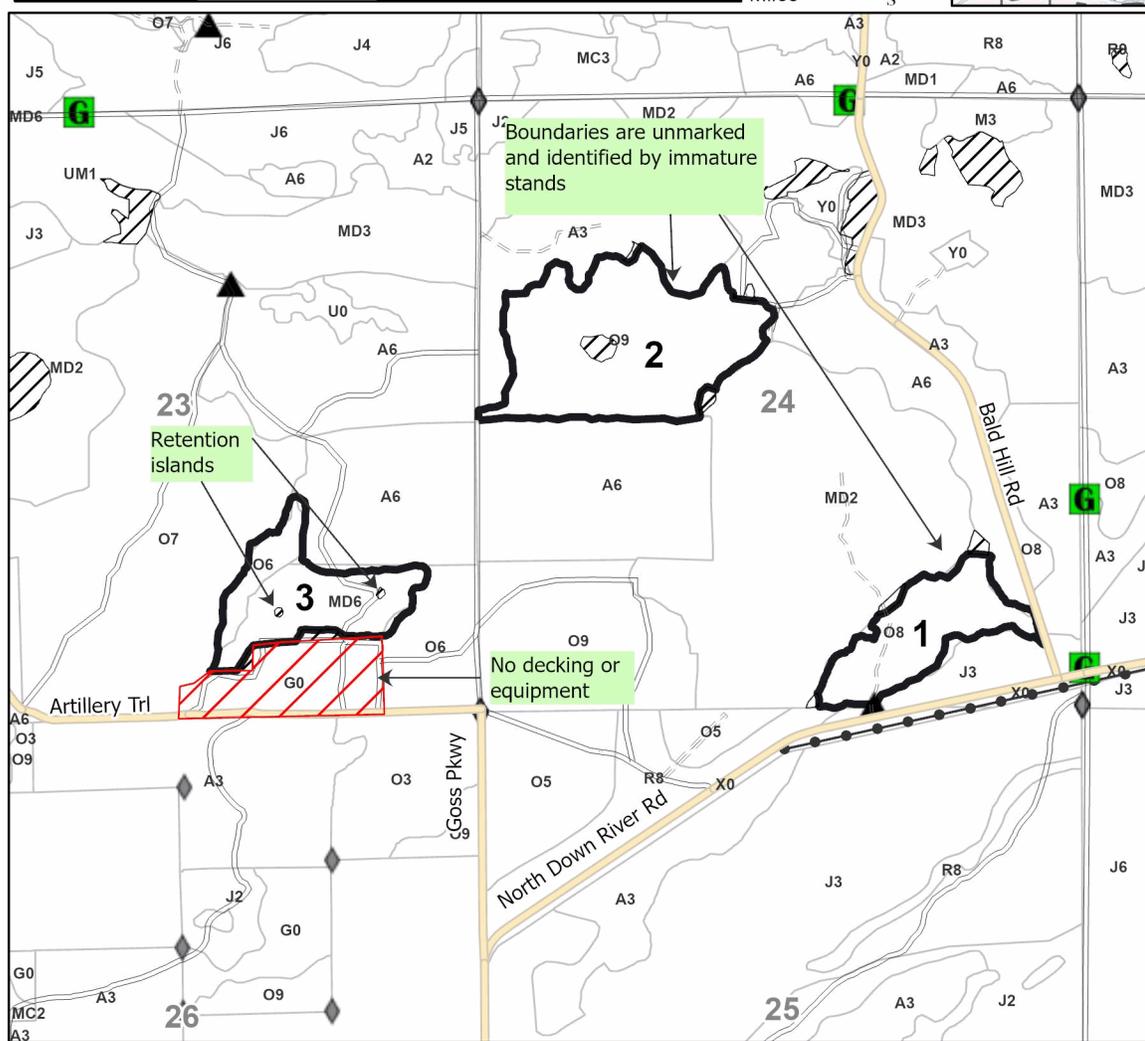
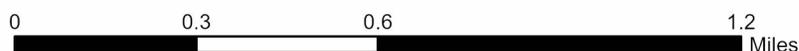
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

#### Locator Map (1:200,000)



PU #	Acres
1	24.6
2	57.6
3	27.6

**Ditchout  
Brown Oak  
Comp 260  
109.8 Acres**



#### Legend

- Stand
- Retention Areas (Red)
- No Decking
- Against State (Red)
- Powerline
- Secondary Forest Road
- Forest Access Route
- Non-DNR Road
- Field Grade Corner
- Berm
- Gate

Use QR Code to open Map in App



Kevin's Unseen Nest (72-639-23)  
T27N, R02W, SEC. 22; T27N, R02W, SEC. 23; T27N, R02W, SEC. 27; Crawford

In response to the notice of sale to be held 9:00 a.m. (local time) on March 11, 2024, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
<b>Sawtimber</b>			
Black/Red (Hybrid) Oak	76.1 MBF	\$ 142.00/MBF	\$ _____
White Oak	30.3 MBF	\$ 107.00/MBF	\$ _____
<b>Pulpwood</b>			
B. T. Aspen	193 Cords	\$ 29.45/Cord	\$ _____
Black/Red (Hybrid) Oak	166 Cords	\$ 27.05/Cord	\$ _____
Jack Pine	63 Cords	\$ 23.15/Cord	\$ _____
Misc. Species 1	32 Cords	\$ 5.25/Cord	\$ _____
Red Maple	36 Cords	\$ 32.20/Cord	\$ _____
Red Pine	817 Cords	\$ 46.55/Cord	\$ _____
White Oak	91 Cords	\$ 27.05/Cord	\$ _____

\*The volumes are statistically estimated within plus (+) or minus (-) 22.46 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**



<b>FOR DEPARTMENT USE ONLY</b>
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**

Ditchout Brown Oak (72-640-23)  
T27N, R02W, SEC. 23; T27N, R02W, SEC. 24; Crawford COUNTY

In response to the notice of sale to be held 9:00 a.m. (local time) on March 11, 2024, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
<b>Sawtimber</b>			
Black/Red (Hybrid) Oak	180.9 MBF	\$ 142.00/MBF	\$ _____
White Oak	80.6 MBF	\$ 107.00/MBF	\$ _____
<b>Pulpwood</b>			
B. T. Aspen	435 Cords	\$ 29.45/Cord	\$ _____
Jack Pine	7 Cords	\$ 23.15/Cord	\$ _____
Mixed Oak	956 Cords	\$ 27.05/Cord	\$ _____
Red Maple	190 Cords	\$ 32.20/Cord	\$ _____
Red Pine	54 Cords	\$ 46.55/Cord	\$ _____
White Pine	3 Cords	\$ 24.65/Cord	\$ _____

\*The volumes are statistically estimated within plus (+) or minus (-) 18.76 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**



<b>FOR DEPARTMENT USE ONLY</b>
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**

Sunday Stroll Mix (72-014-23)  
T25N, R04W, SEC. 24; T25N, R04W, SEC. 25; T25N, R04W, SEC. 26; Crawford

In response to the notice of sale to be held 9:00 a.m. (local time) on March 11, 2024, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
<b>Sawtimber</b>			
Black/Red (Hybrid) Oak	16.7 MBF	\$ 142.00/MBF	\$ _____
Red Maple	1.0 MBF	\$ 100.00/MBF	\$ _____
<b>Pulpwood</b>			
B. T. Aspen	53 Cords	\$ 29.45/Cord	\$ _____
Balsam Fir	13 Cords	\$ 36.35/Cord	\$ _____
Black Cherry	6 Cords	\$ 32.20/Cord	\$ _____
Black/Red (Hybrid) Oak	155 Cords	\$ 27.05/Cord	\$ _____
Jack Pine	265 Cords	\$ 23.15/Cord	\$ _____
Quaking Aspen	292 Cords	\$ 29.45/Cord	\$ _____
Red Maple	83 Cords	\$ 32.20/Cord	\$ _____
Red Pine	4,027 Cords	\$ 46.55/Cord	\$ _____
Scotch Pine	39 Cords	\$ 9.00/Cord	\$ _____
White Oak	20 Cords	\$ 27.05/Cord	\$ _____
White Pine	289 Cords	\$ 24.65/Cord	\$ _____

\*The volumes are statistically estimated within plus (+) or minus (-) 30.81 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**



<b>FOR DEPARTMENT USE ONLY</b>	
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

Frog Lakes Aspen (72-617-23)  
T27N, R02W, SEC. 7; T27N, R02W, SEC. 8; Crawford COUNTY

In response to the notice of sale to be held 9:00 a.m. (local time) on March 11, 2024, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
<b>Sawtimber</b>			
Northern Pin Oak	3.8 MBF	\$ 104.00/MBF	\$ _____
White Oak	7.3 MBF	\$ 78.00/MBF	\$ _____
<b>Pulpwood</b>			
Jack Pine	62 Cords	\$ 16.95/Cord	\$ _____
Misc. Species 2	46 Cords	\$ 5.50/Cord	\$ _____
Mixed Aspen	439 Cords	\$ 21.60/Cord	\$ _____
Mixed Hardwood	70 Cords	\$ 23.60/Cord	\$ _____
Mixed Oak	297 Cords	\$ 19.85/Cord	\$ _____

\*The volumes are statistically estimated within plus (+) or minus (-) 15.09 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**



<b>FOR DEPARTMENT USE ONLY</b>
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.
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Please Check Appropriate Categories:

1. My business is organized as (you **must** check one of the boxes below):
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  - 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**

Frog Lakes Barrens (72-618-23)

T27N, R02W, SEC. 16; T27N, R02W, SEC. 17; T27N, R02W, SEC. 4; T27N, R02W,

In response to the notice of sale to be held 9:00 a.m. (local time) on March 11, 2024, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Mixed Oak	48.6 MBF	\$ 95.00/MBF	\$ _____
Pulpwood			
Jack Pine	4,587 Cords	\$ 15.45/Cord	\$ _____
Misc. Species 2	16 Cords	\$ 5.00/Cord	\$ _____
Mixed Aspen	118 Cords	\$ 19.65/Cord	\$ _____
Mixed Oak	214 Cords	\$ 18.05/Cord	\$ _____

\*The volumes are statistically estimated within plus (+) or minus (-) 10.42 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**



<b>FOR DEPARTMENT USE ONLY</b>
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**

Iron Belle Trail (72-020-23)  
T25N, R04W, SEC. 25; T25N, R04W, SEC. 26; Crawford COUNTY

In response to the notice of sale to be held 9:00 a.m. (local time) on March 11, 2024, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
<b>Sawtimber</b>			
Northern Pin Oak	11.8 MBF	\$ 50.00/MBF	\$ _____
White Oak	7.0 MBF	\$ 71.00/MBF	\$ _____
White Pine	13.7 MBF	\$ 52.00/MBF	\$ _____
<b>Pulpwood</b>			
Jack Pine	243 Cords	\$ 15.45/Cord	\$ _____
Misc. Species 2	25 Cords	\$ 5.00/Cord	\$ _____
Mixed Aspen	311 Cords	\$ 19.65/Cord	\$ _____
Mixed Hardwood	226 Cords	\$ 21.45/Cord	\$ _____
Mixed Oak	291 Cords	\$ 18.05/Cord	\$ _____
Red Pine	2,098 Cords	\$ 31.05/Cord	\$ _____
Scotch Pine	2 Cords	\$ 6.00/Cord	\$ _____
White Pine	45 Cords	\$ 16.45/Cord	\$ _____

\*The volumes are statistically estimated within plus (+) or minus (-) 20.13 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**



<b>FOR DEPARTMENT USE ONLY</b>	
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.
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- 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):
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  - 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