



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7185**

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on January 30, 2023.**

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

PROSPECTUS NOTE: The bidder is advised to inspect the sale area and review the location, estimated volumes, operating costs and contract terms of proposed sales. Please be aware that some landowners may request 60 days or more notice for access across their land.

Notice is hereby given that bids will be received by the Unit Manager, GRAYLING MANAGEMENT UNIT, for certain timber on the following described lands:

Raven Remains Red Pine (72-001-22) / T28N, R03W, SEC. 4 , SWNE,S1/2SW,NWSE.

T28N, R03W, SEC. 5 , NWNW,S1/2SW.

T28N, R03W, SEC. 9 , NENW.

T29N, R03W, SEC. 32, SWSW.

Crawford County, Advertised Price \$37,513.05, 55.6 Acres, Red Pine, Aspen.

SALE NOTE: Permission for access across private land owned by the Waste Management Corporation is the responsibility of the Purchaser (see spec 4.4.1). Robert's Road is heavily traveled and will need to be protected/well maintained once operations begin in Payment Units 1 and 2. Red maple pulpwood volume contains 16 cords of sugar maple. Bigtooth aspen sawtimber volume contains 2 MBF of red maple.

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. Access may be through private land.

Down in the Dumps Aspen (72-013-22) / T28N, R03W, SEC. 4 , S1/2SW,N1/2SE.

T28N, R03W, SEC. 5 , E1/2NW,W1/2NE,SESE.

T28N, R03W, SEC. 8 , NENE.

T28N, R03W, SEC. 9 , NWNW.

T29N, R03W, SEC. 32, SWSE.

Crawford County, Advertised Price \$55,831.60, 102.8 Acres, Aspen, Hardwood.

SALE NOTE: All harvesting operations within Payment Unit 3 are limited to the period of September 1 through December 31 (see spec 5.8.6). Permission for access across private land owned by the Waste Management Corporation is the responsibility of the Purchaser (see spec 4.4.1).

Access may be through private or other public land.

Lonesome Dove Pine (72-021-22) / T27N, R01E, SEC. 11, SESW,SESE.

T27N, R01E, SEC. 13, S1/2SW.

T27N, R01E, SEC. 14, NENW,S1/2NW,E1/2NE,NWSW,E1/2SE.

T27N, R01E, SEC. 15, SENE.

Oscoda County, Advertised Price \$57,212.90, 99.5 Acres, Red Pine, Jack Pine.

SALE NOTE: Potential class A access for PU 1-4, and 6. PU's 1-4 require harvesting submerchantable jackpine along portions of the western boundary to meet objectives. In addition the northern half of PU2 has submerchantable jackpine throughout. Stand size for all payment units was under 20 acres and all stands have considerable variability throughout. PU 5 has 20"+ red pine throughout with large diameter limbs. Trees marked with green paint are not to be cut and are to be protected. Prospective bidders are strongly encouraged to evaluate volume and feasibility for all payment units. Timber form, size, and quality varies widely throughout the sale.

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.

Barker KW (72-028-22) / T26N, R03W, SEC. 34, SW.

Crawford County, Advertised Price \$36,344.35, 144.2 Acres, Jack Pine, Red Pine.

SALE NOTE: Sale has Class A road access (4 Mile Rd). Sale has no timing restrictions. Chipping tops and limbs not permitted to promote natural regeneration. Low stumps required to facilitate KW planting in case natural regen fails.

Sand Trap Pine (72-029-22) / T26N, R03W, SEC. 13, SWSE.

T26N, R03W, SEC. 24, NENW,S1/2NW,NE,N1/2SW.

Crawford County, Advertised Price \$31,624.30, 111.6 Acres, Jack Pine, White Pine.

SALE NOTE: Sale contains very steep slopes and difficult access. Purchaser should assess access roads prior to bidding. Roads are steep and sandy in areas will require improvements to get trucks out. Access through private property would need to be obtained by the purchaser. Sale contains soft oak wilt restrictions. Some user created roads in both payment units will need to be closed upon completion of sale. Chipping and low stumps required for PU 1 to facilitate planting operations.

Access may be through private land.

Staley Fire Tower Oak (72-030-22) / T26N, R03W, SEC. 14, SESE.

T26N, R03W, SEC. 23, NESE.

T26N, R03W, SEC. 23, NWNW,S1/2NW,N1/2NE,SENE,NWSW.

T26N, R03W, SEC. 24, N1/2NW,SWNW,NWSW.

T26N, R03W, SEC. 26, NWSW,S1/2SW.

Crawford County, Advertised Price \$65,367.85, 127.6 Acres, Hardwood, Aspen.

SALE NOTE: This timber sale contains areas with very steep slopes. A user created road between Payment Units 5 and 6 that is contributing to erosion in Staley Lake will need to be blocked to vehicular traffic upon completion of sale. Payment Units 2, 3, 5, and 6 have soft oak wilt restrictions. In addition, Payment Units 2-6 contain Kirtland's Warbler timing restrictions.

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

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

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

Bids must be received by the Unit Manager, GRAYLING OFFICE, 1955 HARTWICK PINES ROAD, GRAYLING, MI 49738, no later than 9:00 a.m. (local time) on January 30, 2023. For further information concerning this sale, contact Thomas Barnes at 989-348-6371 extension 7440.

2. Bidder's Qualifications (10/22)

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

3. Preparation of Sealed Bids (5/16)

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

4. Submission of Sealed Bids (5/16)

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

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

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

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

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

6. Award of Contract (1/11)

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

7. Down Payment (1/11)

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

8. Performance Security (1/11)

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

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

9. Worker's Compensation (10/22)

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

10. Timber Sale Contract (10/22)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

DAN EICHINGER
Director

TIMBER SALE INFORMATION

Raven Remains Red Pine (72-001-22)

T28N, R03W, SEC. 4; T28N, R03W, SEC. 5; T28N, R03W, SEC. 9; T29N, R03W, SEC. 32.

Crawford County (Advertised Price \$37,513.05)

SALE NOTE: Permission for access across private land owned by the Waste Management Corporation is the responsibility of the Purchaser (see spec 4.4.1). Robert's Road is heavily traveled and will need to be protected/well maintained once operations begin in Payment Units 1 and 2. Red maple pulpwood volume contains 16 cords of sugar maple. Bigtooth aspen sawtimber volume contains 2 MBF of red maple.

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. Access may be through private land.

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

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
B. T. Aspen	16.0 MBF	\$ 71.00 / MBF
Red Maple	2.0 MBF	\$ 74.00 / MBF
Red Pine	54.1 MBF	\$ 117.00 / MBF
Pulpwood		
B. T. Aspen	105 Cords	\$ 28.20 / Cord
Jack Pine	17 Cords	\$ 18.80 / Cord
Quaking Aspen	46 Cords	\$ 28.20 / Cord
Red Maple	101 Cords	\$ 29.45 / Cord
Red Pine	566 Cords	\$ 38.65 / Cord
Sugar Maple	16 Cords	\$ 29.45 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 19.31 percent. There are an estimated 1,003 cords on this timber sale, plus or minus 194 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$1,876.00 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:

<u>PAYMENT UNIT NUMBER</u>	<u>PERCENT OF TOTAL SALE VALUE</u>
01	20.4%
02	4.5%
03	0.9%
04	56.2%
05	18.0%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2025.

SALE STATISTICS

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

SALE VOLUMES

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

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
79,272	1,003	19.31%	810	1,197

VDU VOLUMES

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

	VOLUME			RANGE IN CORDS	
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
2	3,233	41	43.31%	23	59
3	22,198	281	37.07%	177	385
19	1,374	17	61.83%	7	28
28	39,485	500	26.86%	366	634
30	12,983	164	65.43%	57	272
TOTAL:	79,272	1,003		629	1,378

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	2.3	2	2.3
3	10.0	1	10.0
19	3.2	3	3.2
28	32.6	4	32.6
30	7.5	5	7.5
TOTAL:	55.6		55.6

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	16.0	MBF	10.0	\$7,657.40
	B. T. Aspen	Pulpwood	105	Cords		
	Quaking Aspen		26	Cords		
	Red Maple		96	Cords		
2	Red Maple	Sawtimber	0.6	MBF	2.3	\$1,690.25
	Red Pine		4.1	MBF		
	Quaking Aspen	Pulpwood	5	Cords		
	Red Maple		2	Cords		
	Red Pine		25	Cords		
3	Jack Pine	Pulpwood	17	Cords	3.2	\$319.60
4	Red Maple	Sawtimber	1.4	MBF	32.6	\$21,091.50
	Red Pine		34.8	MBF		
	Quaking Aspen	Pulpwood	7	Cords		
	Red Maple		3	Cords		
	Red Pine		428	Cords		
	Sugar Maple		3	Cords		
5	Red Pine	Sawtimber	15.2	MBF	7.5	\$6,754.30
	Quaking Aspen	Pulpwood	8	Cords		
	Red Pine		113	Cords		
	Sugar Maple		13	Cords		
TOTAL:			72.1	MBF		
TOTAL:			851	Cords		

Sale Specific Conditions & Requirements

Sale Name: Raven Remains Red Pine

Sale Number: 72-001-22 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue and red paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. The one interior retention island, located within Payment Unit 1, is marked with red painted "X's". Boundary excluded retention areas are present and shown on the Timber Sale Map. No harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1, cut all trees that are two (2) inches or more at DBH except DO NOT harvest red or white pine unless marked with Yellow Paint. About twelve (12) red and/or white pine trees along the powerline corridor in PU1 are designated for cutting when marked with Yellow Paint above and below stump height. In addition, extreme care should be taken to avoid damage to pine and oak seedlings and saplings within Payment Unit 1. See spec 3.4.1 - Damaged timber for more information.

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

Within Payment Unit(s) 2, 4, and 5, 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) 3, all trees which meet minimum piece specifications in 2.2 Utilization, are designated for cutting except DO NOT harvest any red or white pine. In addition, extreme care should be taken to avoid damage to pine and oak seedlings and saplings within Payment Unit 3. See spec 3.4.1 - Damaged timber for more information.

2.2 - Utilization

2.2.4 - Skidding length (2/14)

Skidding of unlimbed tops or lengths over 17 feet is not permissible, unless approved by the Unit Manager or his/her representative.

2.2.7 - Uncut designated trees (2/04)

Liquidated damages of \$5.00 per tree will be assessed for every marked tree not cut.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 4 may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to pine and oak seedlings and saplings within Payment Units 1 and 3. As much as possible, harvesting operations should try to go around pockets that are heavy with pine and oak seedlings/saplings, many of which are 5-20 feet tall.

Within Payment Units 1 and 3, if more than 25% of pine and oak seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the sale area are damaged, liquidated damages will be assessed at \$500 per acre for all acreage within that specified portion of the sale area that was damaged. Seedling and saplings cut cleanly in skid rows for operability will not be counted as damaged timber.

No damage is acceptable to undesignated live merchantable trees and designated retention areas. Within the sale area, if more than 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

4 - Transportation

4.1 - Construction

4.1.3 - Slash and earthen piles (8/04)

Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road maintenance or construction, including stumps, shall be chipped, utilized 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 will require constructing a four (4') foot high berm of stumps and logs covered with earth. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the sale administrator for specific details of design and placement.

4.1.11 - Permits (2/12)

The Purchaser will secure any necessary highway and stream crossing permits that may be required.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land owned by the Waste Management Corporation is the responsibility of the Purchaser. Jim Palmer, Landfill District Manager, can be reached at 989-202-8940. Access roads with locked gates on Waste Management owned lands provide the most direct access to Payment Units 3 and 4. Should the Purchaser desire to cross private land, a copy of the written permission from the private land-owner may be required by the DNR.

5 - Operations

5.1 - Notification

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

The Purchaser is responsible for contacting the gas or pipeline company prior to operating equipment in the vicinity of well heads or natural gas pipelines. Well heads and/or underground gas pipelines are present near Payment Units 3 and 4. Contact Riverside Energy Michigan, LLC at 231-995-4000. Written permission is required before harvest operations begin and must be submitted to the Unit Manager or his/her representative.

In addition, two (2) ground water testing well heads maintained by the Michigan Department of Environment, Great Lakes, and Energy (EGLE) are located within the vicinity of Payment Unit 5. One well head is located about 100ft south of PU5, the other about 150ft north of PU5. Though very unlikely, do not operate any equipment near these ground water testing well heads.

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

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

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in openings that are indicated by G0, U0 or X0 on the Timber Sale Map. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

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.

5.2.4 - Dead and Down Creation

5.2.4.3 - Dead and down creation, dead trees (6/07)

Except as provided for in General Condition and Requirement 5.2.2, no dead trees, standing or down, are to be cut, skidded, or processed.

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

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

5.2.32 - Decking/landing restoration (9/13)

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

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

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

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

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

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

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

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

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



TIMBER SALE MAP

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

Forest Management Unit Grayling	County Crawford	Mapped By Derek Nellis	Date 09/26/2022	Page 1	of 1
Township 28N	Range 03W	Section(s) and Subdivision(s) SWNE, S1/2SW, NWSE sec 4; NWNW, S1/2SW sec5; NENW sec 9	Scale 1:15,840		

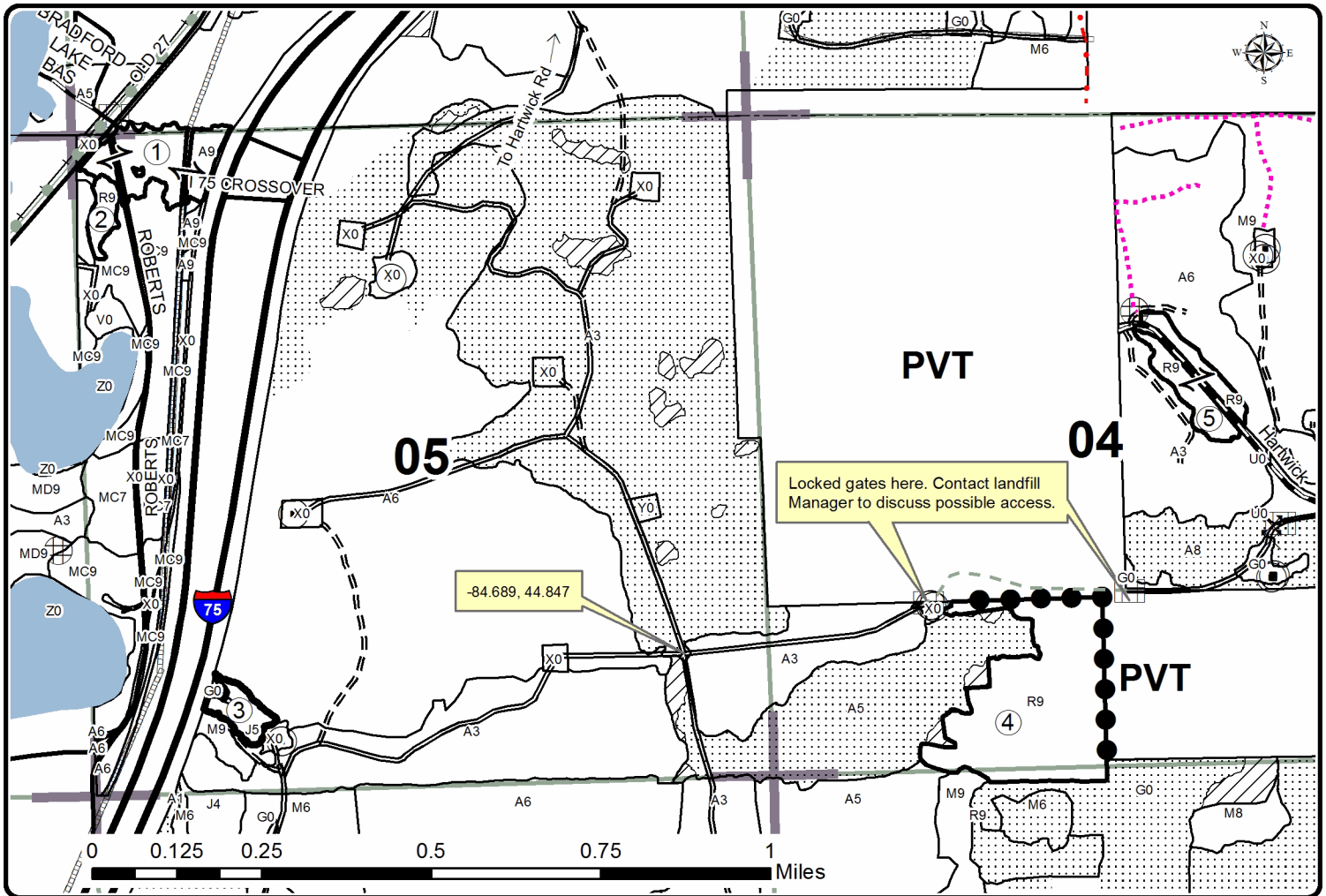
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium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

PU	Acres	PU	Acres
1	10.0	4	32.6
2	2.3	5	7.5
3	3.2		

Raven Remains Red Pine

Compartment 213

55.6 Acres



Legend

- Gate
- Berms
- Oil & Gas Well Surface Locations
- Primary Forest Road
- Secondary Forest Road
- Forest Access Route
- Paved Road
- Gravel Road
- Private
- Temporary Management Access
- Active Railroad
- Pipeline
- Powerline
- Lakes and Rivers All
- Retention Area
- Against State (Red)
- Private Line (Blue)
- Nearby Timber Sale
- Section Corners
- PU Label

TIMBER SALE INFORMATION

Down in the Dumps Aspen (72-013-22)

T28N, R03W, SEC. 4; T28N, R03W, SEC. 5; T28N, R03W, SEC. 8; T28N, R03W, SEC. 9; T29N, R03W, SEC. 32.
Crawford County (Advertised Price \$55,831.60)

SALE NOTE: All harvesting operations within Payment Unit 3 are limited to the period of September 1 through December 31 (see spec 5.8.6). Permission for access across private land owned by the Waste Management Corporation is the responsibility of the Purchaser (see spec 4.4.1).

Access may be through private or other public land.

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

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Basswood	2.5 MBF	\$ 69.00 / MBF
Mixed Aspen	82.5 MBF	\$ 71.00 / MBF
Red Maple	10.3 MBF	\$ 74.00 / MBF
Red Oak	1.6 MBF	\$ 121.00 / MBF
Pulpwood		
Jack Pine	5 Cords	\$ 18.80 / Cord
Mixed Aspen	1,162 Cords	\$ 28.20 / Cord
Mixed Hardwood	415 Cords	\$ 29.45 / Cord
Paper Birch	61 Cords	\$ 23.15 / Cord
Red Oak	82 Cords	\$ 28.05 / Cord
Scotch Pine	4 Cords	\$ 12.35 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 16.87 percent. There are an estimated 1,941 cords on this timber sale, plus or minus 328 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$2,792.00 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	16.9%
02	21.9%
03	61.2%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2025.

SALE STATISTICS

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

SALE VOLUMES

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

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
153,356	1,941	16.87%	1,614	2,269

VDU VOLUMES

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

	VOLUME			RANGE IN CORDS	
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
16	93,724	1,186	17.58%	978	1,395
27	34,805	441	19.13%	356	525
34	24,827	314	45.92%	170	459
TOTAL:	153,356	1,941		1,504	2,378

VDU TO PAYMENT UNIT

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

VDU	VDU ACRES	PU	PU ACRES
16	41.1	3	41.1
27	39.8	2	39.8
34	21.9	1	21.9
TOTAL:	102.8		102.8

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	2.5	MBF	21.9	\$9,421.20
	Mixed Aspen		35.0	MBF		
	<i>B. T. Aspen</i>		27.4	<i>MBF</i>		
	<i>Quaking Aspen</i>		7.6	<i>MBF</i>		
	Red Maple	1.7	MBF			
	Mixed Aspen	Pulpwood	148	Cords		
	<i>B. T. Aspen</i>		15	<i>Cords</i>		
	<i>Quaking Aspen</i>		133	<i>Cords</i>		
	Mixed Hardwood		82	Cords		
	<i>Basswood</i>		3	<i>Cords</i>		
	<i>Ironwood</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		59	<i>Cords</i>		
	<i>Sugar Maple</i>		18	<i>Cords</i>		
	Scotch Pine		4	Cords		
2	Mixed Aspen		Sawtimber	23.5	MBF	39.8
	<i>B. T. Aspen</i>	3.2		<i>MBF</i>		
	<i>Quaking Aspen</i>	20.3		<i>MBF</i>		
	Red Maple	2.5	MBF			
	Jack Pine	Pulpwood	5	Cords		
	Mixed Aspen		327	Cords		
	<i>B. T. Aspen</i>		8	<i>Cords</i>		
	<i>Quaking Aspen</i>		319	<i>Cords</i>		
	Mixed Hardwood		36	Cords		
	<i>Red Maple</i>		36	<i>Cords</i>		
3	Mixed Aspen		Sawtimber	24.0	MBF	41.1
	<i>B. T. Aspen</i>	24.0		<i>MBF</i>		
	Red Maple	6.1		MBF		
	Red Oak	1.6	MBF			
	Mixed Aspen	Pulpwood	687	Cords		
	<i>B. T. Aspen</i>		638	<i>Cords</i>		
	<i>Quaking Aspen</i>		49	<i>Cords</i>		
	Mixed Hardwood		297	Cords		
	<i>Beech</i>		121	<i>Cords</i>		
	<i>Red Maple</i>		176	<i>Cords</i>		
	Paper Birch		61	Cords		
Red Oak	82		Cords			
TOTAL:			96.9	MBF		
TOTAL:			1,729	Cords		

Sale Specific Conditions & Requirements

Sale Name: Down in the Dumps Aspen

Sale Number: 72-013-22 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by red and blue paint. Fence line serves as an unpainted sale boundary on the west end of Payment Unit 1. This location is shown on the Timber Sale Map. A line of trees painted with pink paint is present in the southeast portion of Payment Unit 3. This line can be disregarded and the trees harvested once operations begin in PU3. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior retention islands are marked with red painted X's. Boundary excluded retention areas are shown on the Timber Sale Map. No harvesting activities may occur within retention areas. The red and blue painted boundary line trees are not Included Timber and are to be protected.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1, 2 and 3, cut all trees that are two (2) inches or more at DBH with the following exceptions:

- Within Payment Unit 1, do not cut any oak or conifer species, except jack pine and scotch pine which is to be cut and is Included Timber.
- Within Payment Unit 2, do not cut trees marked with green paint or any conifer species, except jack pine which is to be cut and is Included Timber.
- Within Payment Unit 3, do not cut any conifer species.

Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 3 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 allowed for Payment Unit 3.

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 white pine seedlings and saplings within Payment Units 1 and 2.

Within Payment Units 1 and 2, if more than 50% of the white pine seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the Sale Area are damaged, liquidated damages will be assessed at \$300 per acre for all acreage within that specified portion of the Sale Area that was damaged. Seedling and saplings cut cleanly in skid rows for operability will not be counted as damaged timber.

No damage is acceptable to undesignated live merchantable trees and designated retention areas. Within the Sale Area, if more than 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

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

the half-dozen or so Legacy red pine trees located in Payment Unit 3. Legacy trees are defined as having some of the following characteristics: twenty six (26) inches or more at DBH, fire scars, broken tops/crowns, etc. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$500.00 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

4.1.3 - Slash and earthen piles (8/04)

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

4.1.6 - Road construction (1/09)

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, 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.

4.1.11 - Permits (2/12)

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

4.2 - Maintenance

4.2.2 - Fill material (4/07)

To maintain roads, fill material may be needed in areas where "holes" exist or may be expected to develop. This fill material should be placed before trucking begins. Access routes into each Payment Unit have a few areas with potential to develop "holes" depending on seasonal conditions. The Unit Manager or his/her representative must approve the type of fill material used prior to placement. In general, suitable fill material includes clean cobble and/or crushed rock.

4.2.5 - Two wheel drive condition (2/04)

All existing trail roads on and adjacent to the sale area must be passable by two-wheel drive traffic for the duration of the sale.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land owned by the Waste Management Corporation is the responsibility of the Purchaser. Jim Palmer, Landfill District Manager, can be reached at 989-202-8940. Should the Purchaser desire to cross private land, a copy of the written permission from the private land-owner may be required by the DNR.

5 - Operations

5.1 - Notification

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

The Purchaser is responsible for contacting the gas or pipeline company prior to operating equipment in the vicinity of well heads or natural gas pipelines. Well heads and/or underground gas pipelines are present along, within or near Payment Units 1, 2 and 3. Contact Riverside Energy Michigan, LLC at 231-995-4000. Written permission is required before harvest operations begin and must be submitted to the Unit Manager or his/her representative.

In addition, a ground water testing well head maintained by the Michigan Department of Environment, Great Lakes, and Energy (EGLE) is present near the center of Payment Unit 1, close to the access road. This well head is just a few feet outside the harvest boundary of PU1. Use extreme caution when operating near the ground water testing well head.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in openings that are indicated by G0, U0 or X0 on the Timber Sale Map. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

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.

5.2.4 - Dead and Down Creation

5.2.4.3 - Dead and down creation, dead trees (6/07)

Except as provided for in General Condition and Requirement 5.2.2, no dead trees, standing or down, are to be cut, skidded, or processed.

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

To encourage grouse and other wildlife, in Payment Unit(s) 1, 2 and 3, leave one, twelve (12) inch 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. These trees will be evenly scattered throughout Payment Units and preferably placed at least two chains from any road, two-track, or trail open to vehicles.

5.2.29 - Shrub protection (1/20)

Do not cut or damage hawthorn and juneberry shrubs in Payment Unit 1. 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, earthen mounds, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

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

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

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 25 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

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

5.8.6 - Protection of eagle nests (5/12)

To protect an active eagle's nest, all harvesting operations within Payment Unit 3 are limited to the period of September 1 through December 31.

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 haul routes 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.



Sale Number	Year
72 - 013	22

TIMBER SALE MAP

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

Forest Management Unit	County	Mapped By	Date	Page	of
Grayling Management Unit	Crawford & Otsego	J. St. Pierre	6/21/2022	1	2
Township	Range	Section(s) and Subdivision(s)	Scale		
28 & 29N	03W	Crawford= Sec4: S1/2SW,N1/2SE, Sec5: E1/2NW,W1/2NE,SESE Sec8: NENE Sec9: NWNW, Otsego= Sec32: SWSE	1:15,840		

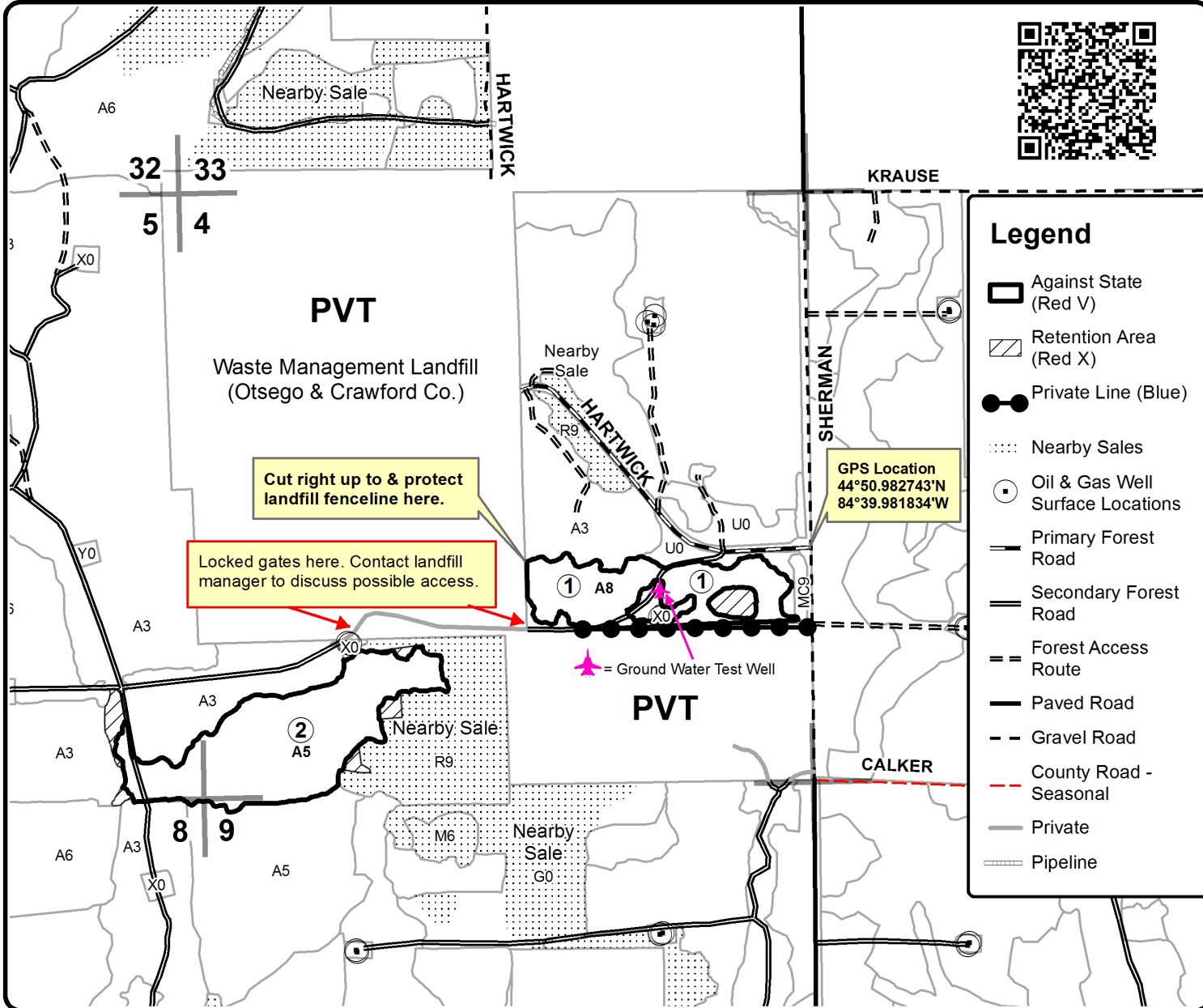
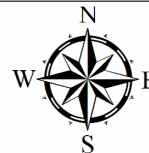
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium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

PU	Acres
1	21.9
2	39.8
3	41.1

Down in the Dumps Aspen

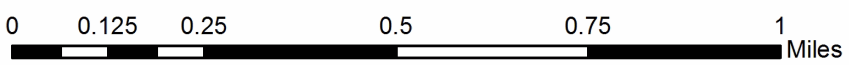
Compartment 213

102.8 Acres



Legend

- Against State (Red V)
- Retention Area (Red X)
- Private Line (Blue)
- Nearby Sales
- Oil & Gas Well Surface Locations
- Primary Forest Road
- Secondary Forest Road
- Forest Access Route
- Paved Road
- Gravel Road
- County Road - Seasonal
- Private
- Pipeline





TIMBER SALE MAP

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

Sale Number	Year
72 - 013	22

Forest Management Unit	County	Mapped By	Date	Page	of
Grayling Management Unit	Crawford & Otsego	J. St. Pierre	6/21/2022	2	2
Township	Range	Section(s) and Subdivision(s)	Scale		
28 & 29N	03W	Crawford= Sec4: S1/2SW,N1/2SE, Sec5: E1/2NW,W1/2NE,SESE Sec8: NENE Sec9: NWNW Otsego= Sec32: SWSE	1:15,840		

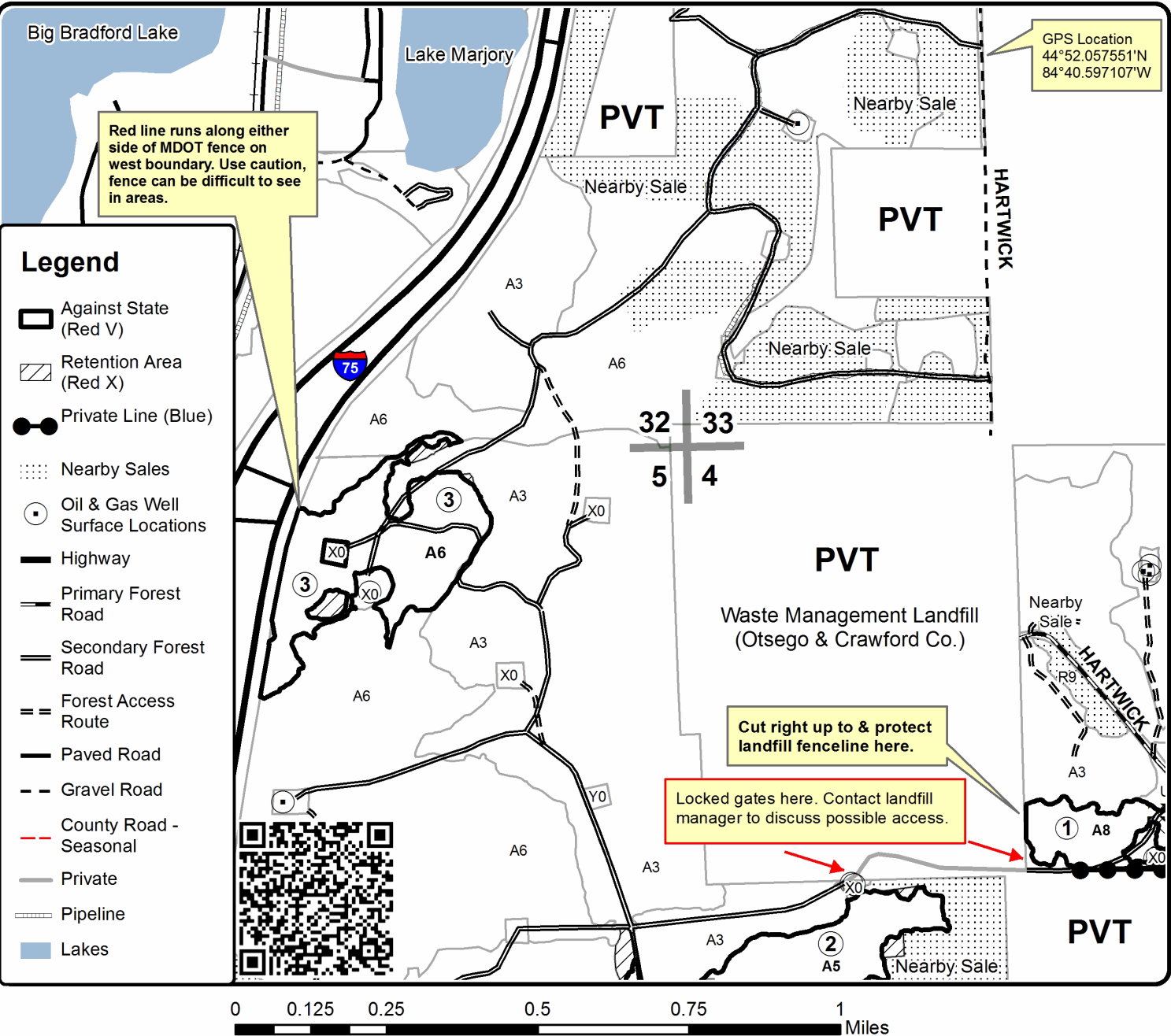
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E = Swamp Hdwoods	M = Mpl. Bch, Brch	R = Red Pine	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well		
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water				
G = Grass	MD = Mixed Deciduous	T = Tamarack					

PU	Acres
1	21.9
2	39.8
3	41.1

Down in the Dumps Aspen

Compartment 213

102.8 Acres



TIMBER SALE INFORMATION

Lonesome Dove Pine (72-021-22)

T27N, R01E, SEC. 11; T27N, R01E, SEC. 13; T27N, R01E, SEC. 14; T27N, R01E, SEC. 15.
Oscoda County (Advertised Price \$57,212.90)

SALE NOTE: Potential class A access for PU 1-4, and 6. PU's 1-4 require harvesting submerchantable jackpine along portions of the western boundary to meet objectives. In addition the northern half of PU2 has submerchantable jackpine throughout. Stand size for all payment units was under 20 acres and all stands have considerable variability throughout. PU 5 has 20"+ red pine throughout with large diameter limbs. Trees marked with green paint are not to be cut and are to be protected. Prospective bidders are strongly encouraged to evaluate volume and feasibility for all payment units. Timber form, size, and quality varies widely throughout the sale.

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

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

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Red Pine	327.1 MBF	\$ 117.00 / MBF
Pulpwood		
Balsam Fir	18 Cords	\$ 12.20 / Cord
Jack Pine	385 Cords	\$ 18.80 / Cord
Mixed Oak	25 Cords	\$ 28.05 / Cord
Red Pine	279 Cords	\$ 38.65 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 17.62 percent. There are an estimated 1,534 cords on this timber sale, plus or minus 270 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$2,861.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule :
 - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - (b) The 10% down payment will be credited towards the first unit cut.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	23.7%
02	6.3%
03	23.2%
04	3.3%
05	23.4%
06	20.1%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2025.

SALE STATISTICS

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

SALE VOLUMES

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

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
121,214	1,534	17.62%	1,264	1,805

VDU VOLUMES

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

	VOLUME			RANGE IN CORDS	
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
8	26,901	341	42.48%	196	485
10	7,673	97	61.63%	37	157
14	18,634	236	22.66%	182	289
15	29,919	379	37.40%	237	520
21	1,919	24	53.62%	11	37
24	7,286	92	28.14%	66	118
26	22,080	279	27.03%	204	355
32	6,804	86	55.19%	39	134
TOTAL:	121,214	1,534		973	2,096

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
8	9.7	5	9.7
10	9.4	4	9.4
14	17.0	6	17.0
15	18.6	2	0.4
		3	18.2
21	10.9	2	10.9
24	6.9	2	6.9
26	18.3	1	18.3
32	8.7	2	8.7
TOTAL:	99.5		99.5

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Sawtimber	102.0	MBF	18.3	\$13,518.65
	Red Pine	Pulpwood	41	Cords		
2	Red Pine	Sawtimber	7.3	MBF	26.9	\$3,628.75
	Jack Pine	Pulpwood	114	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	0.5	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	113	<i>Cords</i>		
	Mixed Oak		17	Cords		
	<i>Northern Pin Oak</i>	<i>Sawtimber</i>	4.3	<i>MBF</i>		
	<i>Northern Pin Oak</i>	<i>Pulpwood</i>	8	<i>Cords</i>		
	Red Pine		4	Cords		
3	Red Pine	Sawtimber	67.7	MBF	18.2	\$13,280.70
	Balsam Fir	Pulpwood	1	Cords		
	<i>White Pine</i>		1	<i>Cords</i>		
	Jack Pine		97	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	22.5	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	52	<i>Cords</i>		
	Mixed Oak		3	Cords		
	<i>Bl/R/Hybrid Oak</i>		3	<i>Cords</i>		
	Red Pine		89	Cords		
4	Balsam Fir	Pulpwood	2	Cords	9.4	\$1,866.80
	<i>Balsam Fir</i>		1	<i>Cords</i>		
	<i>White Pine</i>		1	<i>Cords</i>		
	Jack Pine		98	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	9.9	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	78	<i>Cords</i>		
5	Red Pine	Sawtimber	67.5	MBF	9.7	\$13,409.20
	Balsam Fir	Pulpwood	15	Cords		
	<i>Balsam Fir</i>		13	<i>Cords</i>		
	<i>White Spruce</i>		2	<i>Cords</i>		
	Jack Pine		76	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	6.6	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	63	<i>Cords</i>		
	Mixed Oak		4	Cords		
	<i>Bl/R/Hybrid Oak</i>	<i>Sawtimber</i>	1.2	<i>MBF</i>		
	<i>Bl/R/Hybrid Oak</i>	<i>Pulpwood</i>	2	<i>Cords</i>		
Red Pine		98	Cords			
6	Red Pine	Sawtimber	82.6	MBF	17.0	\$11,508.80
	Mixed Oak	Pulpwood	1	Cords		
	<i>Northern Pin Oak</i>		1	<i>Cords</i>		
	Red Pine		47	Cords		
TOTAL:			327.1	MBF		
TOTAL:			707	Cords		

Sale Specific Conditions & Requirements

Sale Name: Lonesome Dove Pine

Sale Number: 72-021-22 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue, red and yellow paint. Except the Eastern portions of Payment Units 2-4 are unmarked and designated by Ruth Road. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. 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) 1-6, cut all species trees that are two (2) inches or more at DBH except do not cut any special protection 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. In addition cut all standing dead in Payment Units 1-4.

2.1.11 - Description of timber note (2/04)

Note that Balsam Fir Pulpwood contains 2 cords of White Pine and 2 cords of White Spruce Pulpwood.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

Payment Units 1-4 must be chip harvested to facilitate adequate establishment of a fuel break. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portion of the trees must be chipped and hauled. Products may be produced as roundwood and forwarded to decking areas in final product length, but the tops must be left intact and skidded to the landing for chipping in order to minimize the amount of residual slash. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter does not apply (G. C. & R. 2.2). This is because Payment Units 1-4 are to be maintained as a fuel break.

2.2.3 - Stump heights (4/07)

Stump heights within Payment Units 1-4 shall not exceed 6 inches for all trees. This is to facilitate future fuel break operations

3 - Payments

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

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

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 \$500.00 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. These roads must be rendered impassable to cars and trucks. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. These stumps must be scattered along the road system to prohibit vehicular movement. Contact the sale administrator for specific details of design and placement.

4.1.11 - Permits (2/12)

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

5 - Operations

5.1 - Notification

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

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

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 24 inches in height.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

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

5.2.4 - 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) 5, leave one 12" or larger diameter (or largest diameter trees within stand) whole tree on the ground for every 2 acres, preferably a hardwood species such as oak or maple or pine species (white or red) if no hardwoods are present. These trees will be evenly scattered throughout the unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles. leave

5.2.29 - Shrub protection (1/20)

Reasonable care should be taken to avoid cutting or damaging hawthorn, witch-hazel, dogwood, or juneberry within Payment Unit(s) 1 and 2. These trees and shrubs are highly beneficial to various wildlife species. 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.

5.2.41 - Snowmobile trail protection (9/11)

The LP 4-9 is a snowmobile trail and is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. The road maintenance/restoration must be done prior to December 1. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1st. If the trail road is to be used for hauling during the snowmobile season, then a snow covered base must be left on the trail. The snowmobile trail may only be crossed at right angles. Maintain a 20 foot wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No

decking of forest products will be permitted along the snowmobile trail. All stumps within 5 feet of the snowmobile trail must be cut at ground level except any trees with trail markers must be cut off above the marker.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

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

5.7 - Protection of Historical Sites

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

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

5.8 - Protection of Endangered Species

5.8.1 - Kirtland's warbler (1) (10/12)

This sale is adjacent to a young jack pine stand which may be used by the endangered Kirtland's Warbler. The Department reserves the right to temporarily restrict all harvesting operations in a buffer zone of up to 500 feet if it is determined that Warbler territory has been established in the adjacent stand. The restricted period, if put into effect, would apply from May 1st to August 15th.

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 Ruth Road and County Road 489 prior to beginning operations. The road must be posted at appropriate distances from the sale area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on LP 4-9 Snowmobile Trail prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail must be posted at appropriate distances from the sale area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

6.2.3 - Recreational trail posting (10/20)

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



TIMBER SALE MAP

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

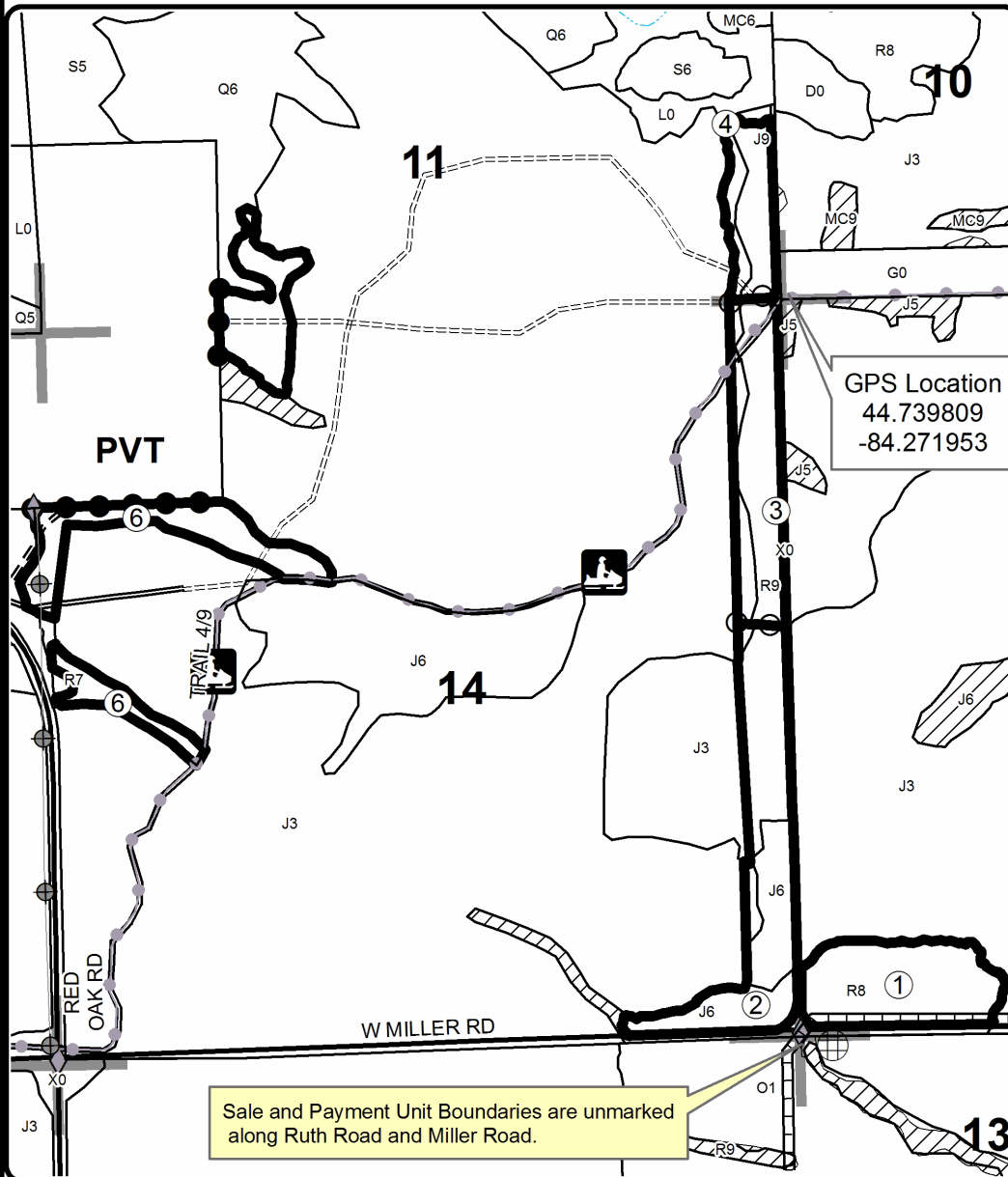
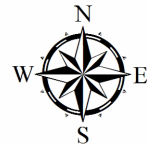
Forest Management Unit Grayling		County Oscoda	Mapped By Price	Date 10/06/2022	Page 1	of 1
Township 27N	Range 01E	Section(s) and Subdivision(s) S11 SESW,SESE & S13 S1/2SW & S14 NENW,S1/2NW,E1/2NE,NWSW,E1/2SE & S15 SENE		Scale 1:15,840		

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

PU	Acres	PU	Acres
1	18.3	4	9.4
2	26.9	5	9.7
3	18.2	6	17.0

Lonesome Dove Pine

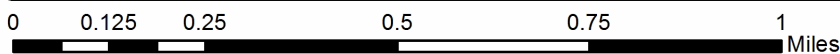
Compartment 008
99.5 Acres



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Recreational Trail
- Field Grade Corners
- Secondary Forest Road
- Forest Access Route
- Paved Road
- Retention Area
- Section Corners
- Pipeline
- Powerline
- Payment Unit

QR Code for Avenza



TIMBER SALE INFORMATION

Barker KW (72-028-22)

T26N, R03W, SEC. 34.

Crawford County (Advertised Price \$36,344.35)

SALE NOTE: Sale has Class A road access (4 Mile Rd). Sale has no timing restrictions. Chipping tops and limbs not permitted to promote natural regeneration. Low stumps required to facilitate KW planting in case natural regen fails.

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

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Red Pine	88.8 MBF	\$ 117.00 / MBF
Pulpwood		
B. T. Aspen	3 Cords	\$ 28.20 / Cord
Black Cherry	14 Cords	\$ 29.45 / Cord
Jack Pine	1,173 Cords	\$ 18.80 / Cord
Northern Pin Oak	35 Cords	\$ 28.05 / Cord
Red Pine	54 Cords	\$ 38.65 / Cord
White Oak	12 Cords	\$ 28.05 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.20 percent. There are an estimated 1,564 cords on this timber sale, plus or minus 191 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$1,817.00 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	49.0%
02	51.0%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2025.

SALE STATISTICS

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

SALE VOLUMES

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

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
123,540	1,564	12.20%	1,373	1,755

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
25	123,540	1,564	12.21%	1,373	1,755
TOTAL:	123,540	1,564		1,373	1,755

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
25	144.2	1	70.6
		2	73.6
TOTAL:	144.2		144.2

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Sawtimber	43.5	MBF	70.6	\$17,793.15
	B. T. Aspen	Pulpwood	1	Cords		
	Black Cherry		7	Cords		
	Jack Pine		574	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	37.7	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	499	<i>Cords</i>		
	Northern Pin Oak		18	Cords		
	<i>Northern Pin Oak</i>	<i>Sawtimber</i>	2.8	<i>MBF</i>		
	<i>Northern Pin Oak</i>	<i>Pulpwood</i>	12	<i>Cords</i>		
	Red Pine		26	Cords		
	White Oak		6	Cords		
2	Red Pine	Sawtimber	45.3	MBF	73.6	\$18,579.25
	B. T. Aspen	Pulpwood	2	Cords		
	Black Cherry		7	Cords		
	Jack Pine		599	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	39.4	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	520	<i>Cords</i>		
	Northern Pin Oak		18	Cords		
	<i>Northern Pin Oak</i>	<i>Sawtimber</i>	2.9	<i>MBF</i>		
	<i>Northern Pin Oak</i>	<i>Pulpwood</i>	12	<i>Cords</i>		
	Red Pine		28	Cords		
	White Oak		6	Cords		
TOTAL:			88.8	MBF		
TOTAL:			1,292	Cords		

Sale Specific Conditions & Requirements

Sale Name: Barker KW

Sale Number: 72-028-22 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue and red paint or are unmarked and identified by existing roads. Exterior sale boundary lines against private property are marked with blue paint except the east boundary of sale is unmarked and identified by Barker Lake Rd and the south boundary of PU 2 is unmarked and identified by 4 Mile Rd. Exterior sale boundary lines against state are marked with red paint. 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) 1 and 2, 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. 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

2.2.3 - Stump heights (4/07)

Stump heights within Payment Units 1 and 2 shall not exceed 6 inches for all trees. This is in order to facilitate planting operations.

2.2.10 - No chipping tops and limbs (8/16)

Within Payment Unit(s) 1 and 2, chipping of limbs or tops is not permitted. Limbs and the remaining top must be left on site and scattered.

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

3.4.2 - 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.

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 along 4 Mile Rd. The Purchaser shall not cut live or dead trees within special protection areas. If the Purchaser's operations have cut or damaged special protection areas through carelessness, the Purchaser shall pay \$700 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. Contact the sale administrator for specific details of design and placement.

4.1.11 - Permits (2/12)

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

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation, the Sale Area or Payment Unit(s) 1 and 2 shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. Stumps shall be cut low to the ground. Processing sites shall not be left with a compacted layer of slash; tops from these sites shall be hauled back into the cut area and scattered.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

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

5.2.32 - Decking/landing restoration (9/13)

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

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

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

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on 4 Mile Road prior to beginning operations. The road must be posted at appropriate distances from the sale area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.



TIMBER SALE MAP

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

Forest Management Unit Grayling	County Crawford	Mapped By Scott McClarren	Date 09/21/2022	Page 1	of 1
Township 26N	Range 03W	Section(s) and Subdivision(s) Section 34, SW	Scale 1:7,920		

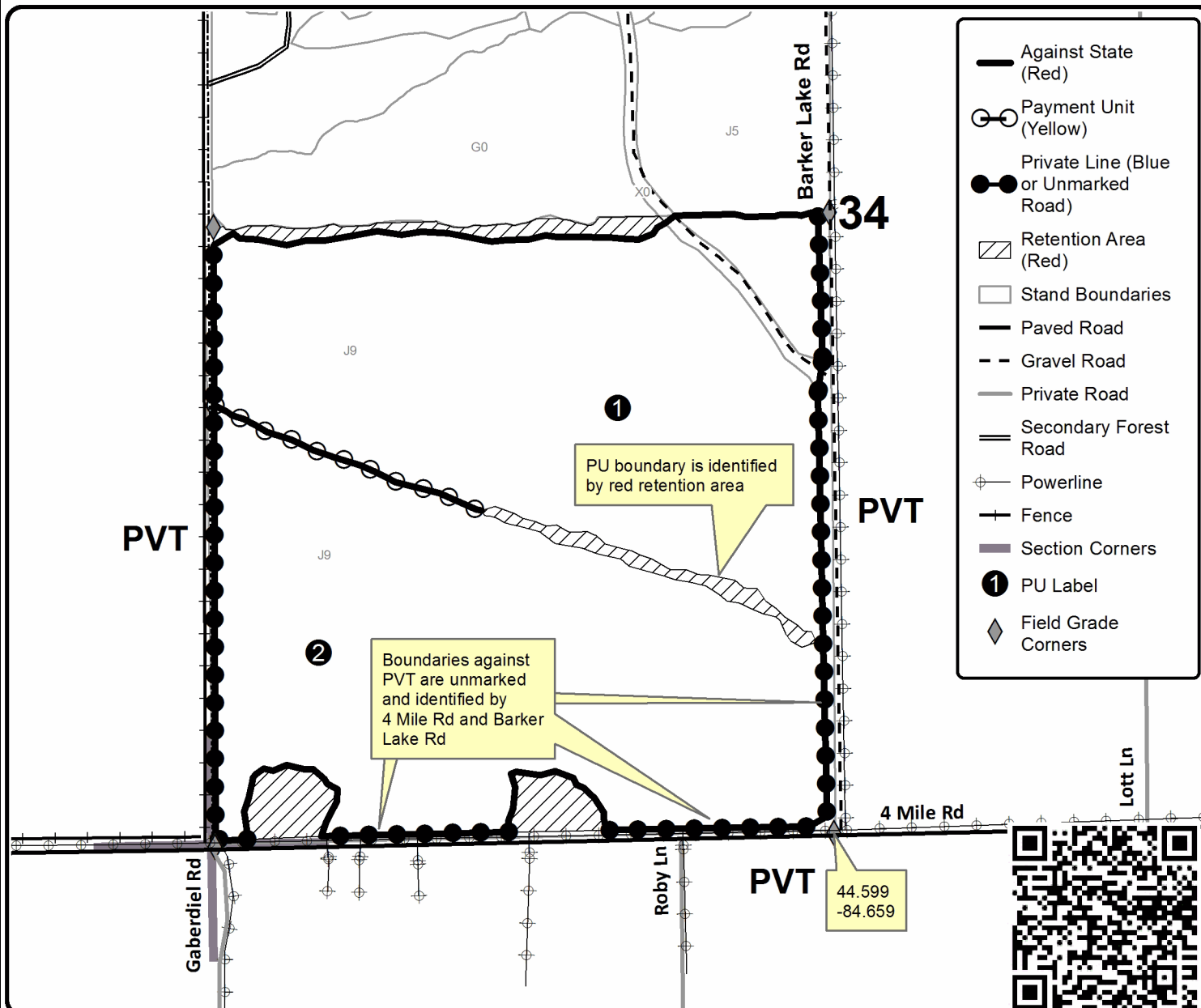
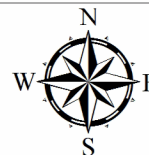
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium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

PU	Acres
1	70.6
2	73.6

Barker KW

Compartment 234

144.2 Acres



TIMBER SALE INFORMATION

Sand Trap Pine (72-029-22)

T26N, R03W, SEC. 13; T26N, R03W, SEC. 24.
Crawford County (Advertised Price \$31,624.30)

SALE NOTE: Sale contains very steep slopes and difficult access. Purchaser should assess access roads prior to bidding. Roads are steep and sandy in areas will require improvements to get trucks out. Access through private property would need to be obtained by the purchaser. Sale contains soft oak wilt restrictions. Some user created roads in both payment units will need to be closed upon completion of sale. Chipping and low stumps required for PU 1 to facilitate planting operations.

Access may be through private land.

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

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Mixed Oak	7.9 MBF	\$ 137.00 / MBF
Red Pine	9.2 MBF	\$ 117.00 / MBF
White Oak	13.2 MBF	\$ 77.00 / MBF
White Pine	26.2 MBF	\$ 75.00 / MBF
Pulpwood		
Jack Pine	784 Cords	\$ 18.80 / Cord
Mixed Oak	76 Cords	\$ 28.05 / Cord
Red Pine	27 Cords	\$ 38.65 / Cord
Scotch Pine	75 Cords	\$ 12.35 / Cord
White Oak	100 Cords	\$ 28.05 / Cord
White Pine	189 Cords	\$ 25.60 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.17 percent. There are an estimated 1,416 cords on this timber sale, plus or minus 172 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$1,581.00 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	55.0%
02	45.0%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2025.

SALE STATISTICS

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

SALE VOLUMES

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

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
111,856	1,416	12.17%	1,243	1,588

VDU VOLUMES

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

	VOLUME			RANGE IN CORDS	
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
19	59,295	751	16.94%	623	878
23	52,561	665	17.60%	548	782
TOTAL:	111,856	1,416		1,172	1,660

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
19	52.7	1	52.7
23	58.9	2	58.9
TOTAL:	111.6		111.6

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Oak	Sawtimber	3.2	MBF	52.7	\$17,408.40
	<i>B/R/Hybrid Oak</i>		3.2	<i>MBF</i>		
	Red Pine		9.2	MBF		
	White Oak		7.3	MBF		
	White Pine		22.1	MBF		
	Jack Pine	Pulpwood	304	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	6.7	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	291	<i>Cords</i>		
	Mixed Oak		46	Cords		
	<i>B/R/Hybrid Oak</i>		46	<i>Cords</i>		
	Red Pine		24	Cords		
	Scotch Pine		75	Cords		
	<i>Scotch Pine</i>		71	<i>Cords</i>		
	<i>White Spruce</i>		4	<i>Cords</i>		
	White Oak		53	Cords		
	White Pine		130	Cords		
	2	Mixed Oak	Sawtimber	4.7		
<i>Northern Pin Oak</i>			4.7	<i>MBF</i>		
White Oak			5.9	MBF		
White Pine			4.1	MBF		
Jack Pine		Pulpwood	480	Cords		
<i>Jack Pine</i>		<i>Sawtimber</i>	39.7	<i>MBF</i>		
<i>Jack Pine</i>		<i>Pulpwood</i>	401	<i>Cords</i>		
Mixed Oak			30	Cords		
<i>Northern Pin Oak</i>			30	<i>Cords</i>		
Red Pine			3	Cords		
White Oak			47	Cords		
White Pine			59	Cords		
TOTAL:			56.5	MBF		
TOTAL:			1,251	Cords		

Sale Specific Conditions & Requirements

Sale Name: Sand Trap Pine

Sale Number: 72-029-22 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundaries are marked and identified by blue and red paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1 and 2, cut all trees that are two (2) inches or more at DBH except in PU 1 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. 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 Unit 1 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 Unit 1 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

3.4.2 - 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.

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. The Purchaser shall not cut live or dead trees within special protection areas. If the Purchaser's operations have cut or damaged special protection areas through carelessness, the Purchaser shall pay \$500 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 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. Some user created roads in PU 1 and PU 2 are contributing to erosion in the area will need to be blocked to vehicular traffic. 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. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the sale administrator for specific details of design and placement.

4.1.11 - Permits (2/12)

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

4.2 - Maintenance

4.2.2 - Fill material (4/07)

To maintain roads, fill material may be needed in areas where "holes" exist or may be expected to develop. This fill material should be placed before trucking begins.

4.4 - Access

4.4.2 - Alternate route on private property (2/04)

It is the Purchaser's responsibility to obtain access across private land for any routes other than the route shown on the Timber Sale Map.

5 - Operations

5.2 - Conduct of Operations

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

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

5.2.3 - Operating Restrictions

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 1 and 2, 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.

5.2.29 - Shrub protection (1/20)

Do not cut or damage hawthorn or juneberry. These woody-shrub plants are highly beneficial to various wildlife species.

5.2.32 - Decking/landing restoration (9/13)

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

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

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

5.4.2 - Skid trails (2/04)

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

5.8 - Protection of Endangered Species

5.8.1 - Kirtland's warbler (1) (10/12)

This sale is adjacent to a young jack pine stand which may be used by the endangered Kirtland's Warbler. The Department reserves the right to temporarily restrict all harvesting operations in a buffer zone of up to 500 feet if it is determined that Warbler territory has been established in the adjacent stand. The restricted period, if put into effect, would apply from May 1st to August 15th.

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



TIMBER SALE MAP

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

Forest Management Unit Grayling	County Crawford	Mapped By Scott McClarren	Date 09/21/2022	Page 1	of 1
Township 26N	Range 03W	Section(s) and Subdivision(s) Sec 13; SWSE, Sec 24; NENW,S1/2NW,NE,N1/2SW	Scale 1:7,920		

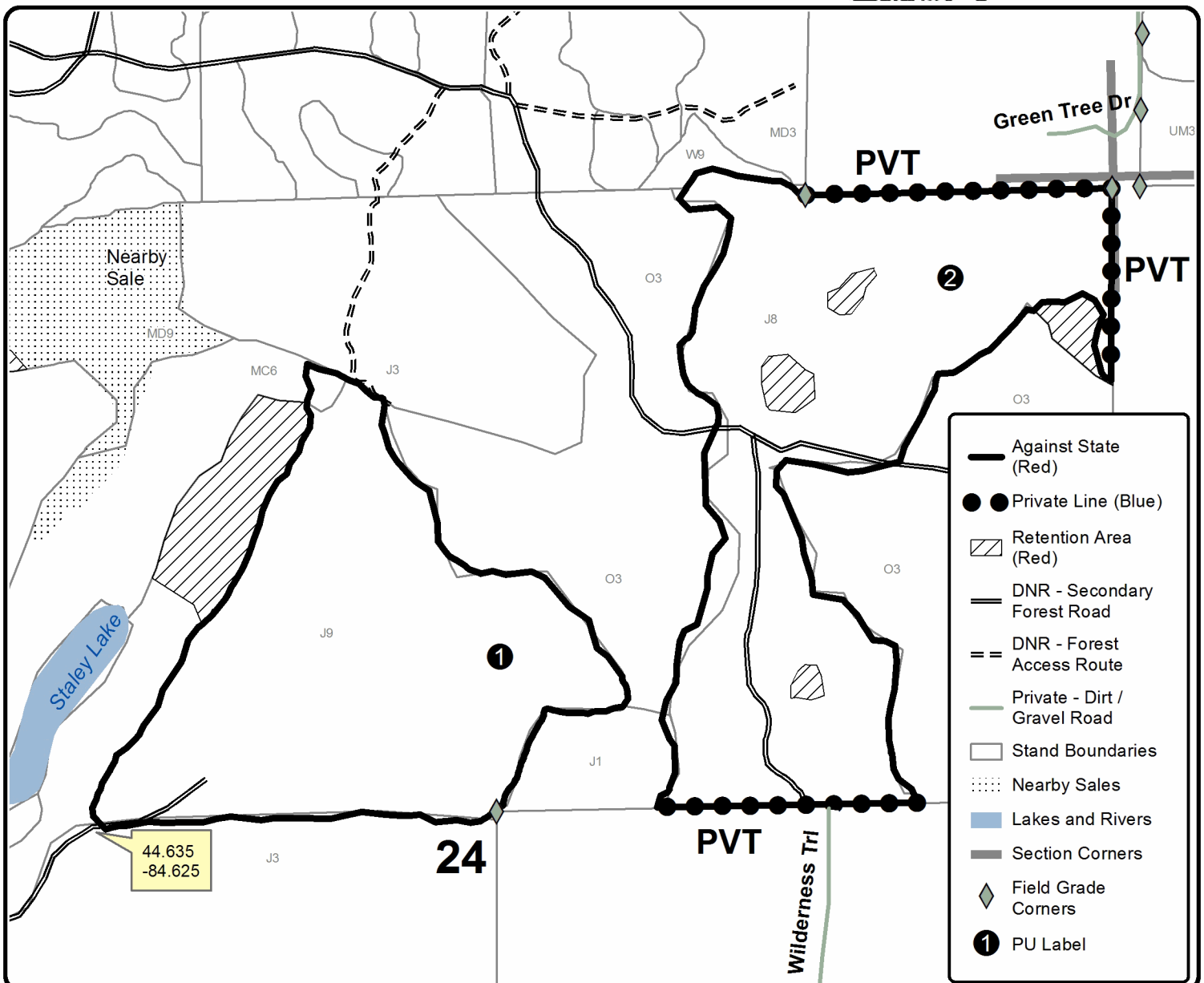
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium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

PU	Acres
1	52.7
2	58.9

Sand Trap Pine

Compartment 234

111.6 Acres



TIMBER SALE INFORMATION

Staley Fire Tower Oak (72-030-22)

T26N, R03W, SEC. 14; T26N, R03W, SEC. 23; T26N, R03W, SEC. 24; T26N, R03W, SEC. 26.
Crawford County (Advertised Price \$65,367.85)

SALE NOTE: This timber sale contains areas with very steep slopes. A user created road between Payment Units 5 and 6 that is contributing to erosion in Staley Lake will need to be blocked to vehicular traffic upon completion of sale. Payment Units 2, 3, 5, and 6 have soft oak wilt restrictions. In addition, Payment Units 2-6 contain Kirtland's Warbler timing restrictions.

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

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

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Mixed Oak	69.5 MBF	\$ 137.00 / MBF
Red Pine	45.2 MBF	\$ 117.00 / MBF
White Oak	56.4 MBF	\$ 77.00 / MBF
White Pine	16.6 MBF	\$ 75.00 / MBF
Pulpwood		
B. T. Aspen	384 Cords	\$ 28.20 / Cord
Jack Pine	158 Cords	\$ 18.80 / Cord
Misc. Species 1	14 Cords	\$ 5.85 / Cord
Mixed Hardwood	128 Cords	\$ 29.45 / Cord
Mixed Oak	724 Cords	\$ 28.05 / Cord
Red Pine	141 Cords	\$ 38.65 / Cord
White Pine	61 Cords	\$ 25.60 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 9.72 percent. There are an estimated 2,049 cords on this timber sale, plus or minus 199 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 \$3,268.00 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	24.6%
02	7.3%
03	18.5%
04	5.6%
05	29.6%
06	14.4%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2025.

SALE STATISTICS

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

SALE VOLUMES

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

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
161,887	2,049	9.72%	1,850	2,248

VDU VOLUMES

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

	VOLUME			RANGE IN CORDS	
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
1	24,426	309	15.76%	260	358
2	9,935	126	40.38%	75	177
8	9,538	121	44.41%	67	174
11	22,748	288	18.57%	234	341
13	53,053	672	15.35%	568	775
17	42,188	534	22.39%	414	654
TOTAL:	161,887	2,049		1,620	2,478

VDU TO PAYMENT UNIT

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

VDU	VDU ACRES	PU	PU ACRES
1	29.8	3	29.8
2	8.6	2	8.6
8	7.9	4	7.9
11	22.0	6	22.0
13	35.7	5	35.7
17	23.6	1	23.6
TOTAL:	127.6		127.6

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Oak	Sawtimber	6.9	MBF	23.6	\$16,093.75
	<i>B/I/R/Hybrid Oak</i>		6.9	<i>MBF</i>		
	Red Pine		1.7	MBF		
	White Oak		0.8	MBF		
	B. T. Aspen	Pulpwood	364	Cords		
	<i>B. T. Aspen</i>	<i>Sawtimber</i>	28.8	<i>MBF</i>		
	<i>B. T. Aspen</i>	<i>Pulpwood</i>	306	<i>Cords</i>		
	Misc. Species 1		14	Cords		
	Mixed Hardwood		83	Cords		
	<i>Black Cherry</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		82	<i>Cords</i>		
	Mixed Oak		72	Cords		
	<i>B/I/R/Hybrid Oak</i>		58	<i>Cords</i>		
	<i>White Oak</i>		14	<i>Cords</i>		
	Red Pine		2	Cords		
2	Mixed Oak	Sawtimber	0.7	MBF	8.6	\$4,742.10
	<i>B/I/R/Hybrid Oak</i>		0.7	<i>MBF</i>		
	Red Pine		14.2	MBF		
	White Oak		0.8	MBF		
	Jack Pine	Pulpwood	21	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	4.9	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	11	<i>Cords</i>		
	Mixed Oak		24	Cords		
	<i>B/I/R/Hybrid Oak</i>		8	<i>Cords</i>		
	<i>White Oak</i>		16	<i>Cords</i>		
	Red Pine		48	Cords		
3	Mixed Oak	Sawtimber	40.5	MBF	29.8	\$12,076.35
	<i>B/I/R/Hybrid Oak</i>		40.5	<i>MBF</i>		
	Red Pine		4.2	MBF		
	White Oak		11.8	MBF		
	Jack Pine	Pulpwood	3	Cords		
	<i>Jack Pine</i>		3	<i>Cords</i>		
	Mixed Hardwood		8	Cords		
	<i>Red Maple</i>		8	<i>Cords</i>		
	Mixed Oak		160	Cords		
	<i>B/I/R/Hybrid Oak</i>		85	<i>Cords</i>		
	<i>White Oak</i>		75	<i>Cords</i>		
Red Pine		9	Cords			
4	Mixed Oak	Sawtimber	5.7	MBF	7.9	\$3,691.55
	<i>Northern Pin Oak</i>		5.7	<i>MBF</i>		
	Red Pine		3.5	MBF		
	White Oak		0.5	MBF		
	White Pine		4.3	MBF		
	Jack Pine	Pulpwood	42	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	9.9	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	22	<i>Cords</i>		
	Mixed Hardwood		6	Cords		
	<i>Red Maple</i>	<i>Sawtimber</i>	1.1	<i>MBF</i>		
	<i>Red Maple</i>	<i>Pulpwood</i>	4	<i>Cords</i>		
	Mixed Oak		29	Cords		
	<i>Northern Pin Oak</i>		17	<i>Cords</i>		
	<i>White Oak</i>		12	<i>Cords</i>		
	Red Pine		8	Cords		
White Pine		2	Cords			
5	Mixed Oak	Sawtimber	1.6	MBF	35.7	\$19,364.45
	<i>B/I/R/Hybrid Oak</i>		1.6	<i>MBF</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	Red Pine	Sawtimber	19.2	MBF		
	White Oak		28.5	MBF		
	White Pine		9.6	MBF		
	B. T. Aspen	Pulpwood	20	Cords		
	<i>B. T. Aspen</i>		20	<i>Cords</i>		
	Jack Pine		73	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	4.1	<i>MBF</i>		
	<i>Jack Pine</i>	<i>Pulpwood</i>	65	<i>Cords</i>		
	Mixed Hardwood		19	Cords		
	<i>Paper Birch</i>	<i>Sawtimber</i>	0.9	<i>MBF</i>		
	<i>Paper Birch</i>	<i>Pulpwood</i>	2	<i>Cords</i>		
	<i>Red Maple</i>		15	<i>Cords</i>		
	Mixed Oak		284	Cords		
	<i>Bl/R/Hybrid Oak</i>		35	<i>Cords</i>		
	<i>White Oak</i>		249	<i>Cords</i>		
	Red Pine		60	Cords		
	White Pine		47	Cords		
6	Mixed Oak	Sawtimber	14.1	MBF	22.0	\$9,399.65
	<i>Northern Pin Oak</i>		14.1	<i>MBF</i>		
	Red Pine		2.4	MBF		
	White Oak		14.0	MBF		
	White Pine		2.7	MBF		
	Jack Pine	Pulpwood	19	Cords		
	<i>Jack Pine</i>		19	<i>Cords</i>		
	Mixed Hardwood		12	Cords		
	<i>Red Maple</i>		12	<i>Cords</i>		
	Mixed Oak		155	Cords		
	<i>Northern Pin Oak</i>		61	<i>Cords</i>		
	<i>White Oak</i>		94	<i>Cords</i>		
	Red Pine		14	Cords		
	White Pine		12	Cords		
TOTAL:			187.7	MBF		
TOTAL:			1,610	Cords		

Sale Specific Conditions & Requirements

Sale Name: Staley Fire Tower Oak

Sale Number: 72-030-22 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by red and yellow paint, or are unmarked and identified by roads or by sub-merchantable stands. Exterior sale boundary lines against state are marked with red paint except for the following: The northeast boundary of Payment Unit 2 and southeast boundary of Payment Unit 3 are unmarked and identified by the immature jack pine plantation labeled J3 on the Timber Sale Map. All of Payment Unit 4 is unmarked and identified by Staley Lake Road and immature jack pine plantation. Payment Unit 5 and 6 are unmarked along portions adjacent to the immature jack pine plantation labeled J3 on the Timber Sale Map. The Interior Payment Unit boundary between Payment Units 2 and 3 is 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) 1, 2, 4, 5, and 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. Special protection areas identified in accordance with condition 3.4.3, within clearcutting unit boundaries, are not Included Timber and are to be protected.

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

Within Payment Unit(s) 3, all trees which meet minimum piece specifications in 2.2 Utilization, are designated for cutting except 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.

2.1.11 - Description of timber note (2/04)

Note that Misc. Species 1 = Dead oak.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 1 and 5 may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment.

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

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

Within the sale area, if more than 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 \$500 per acre for all acreage within that specified portion of the sale area that was damaged. Trees cut cleanly in skid trails and operation pathways will not be counted as 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.

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 in Payment Unit 6 and are excluded from the sale area. The Purchaser shall not cut live or dead trees within special protection areas. 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 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. In addition, there is an illegal user created road between Payment Unit 5 and 6 that will need to be blocked upon completion of the sale. Along that road there is an eroding road that leads down to Staley Lake that will also need to be blocked to vehicular traffic.

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.

5.2 - Conduct of Operations

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

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

5.2.3 - Operating Restrictions

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 2, 3, 5, and 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.

5.2.4 - 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, leave one 12" or larger diameter (or largest diameter trees

within stand) whole tree on the ground for every 2 acres, preferably a hardwood species such as oak or maple or if no hardwoods are present, a pine species (white or red). These trees will be evenly scattered throughout the unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles.

5.2.29 - Shrub protection (1/20)

Reasonable care should be taken to avoid cutting or damaging hawthorn or juneberry. These woody-shrub plants are highly beneficial to various wildlife species.

5.2.32 - Decking/landing restoration (9/13)

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

5.2.40 - Pathway protection (10/10)

The Shore to Shore Trail is a horse trail along Monty Ln and is shown on the Timber Sale Map. Do not cut trees or damage posts with blue pathway markers. Maintain a 20-foot wide slash, debris, and rut free zone daily, using the pathway as the centerline. Do not operate equipment along the trail during scheduled trail rides. The administrator will provide a minimum of two weeks notice of when scheduled trail rides are to occur.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

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

5.4.2 - Skid trails (2/04)

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

5.8 - Protection of Endangered Species

5.8.1 - Kirtland's warbler (1) (10/12)

This sale is adjacent to a young jack pine stand which may be used by the endangered Kirtland's Warbler. The Department reserves the right to temporarily restrict all harvesting operations in a buffer zone of up to 500 feet if it is determined that Warbler territory has been established in the adjacent stand. The restricted period, if put into effect, would apply from May 1st to August 15th.

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

6.2.3 - Recreational trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Shore to Shore Trail (Monty Ln) 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.

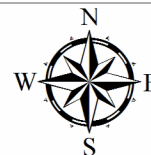
Forest Management Unit Grayling	County Crawford	Mapped By Scott McClarren	Date 09/21/2022	Page 1	of 2
Township 26N	Range 03W	Section(s) and Subdivision(s) Sec 23; NW,N1/2NE, SENE,NWSW, Sec 24; W1/2NW,NENW, Sec 26; NWSW,S1/2SW	Scale 1:7,920		

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

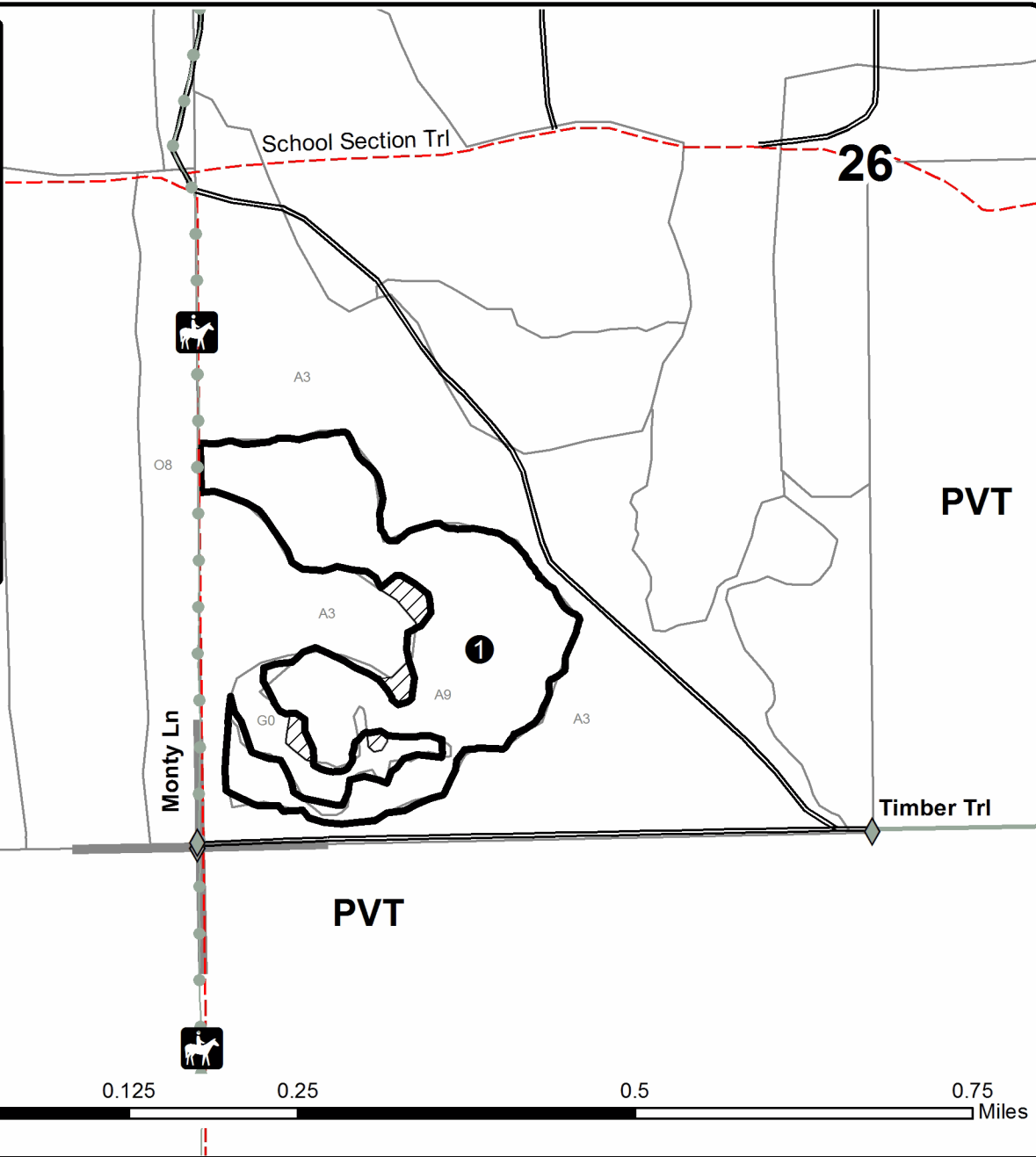
PU	Acres	PU	Acres
1	23.6	4	7.9
2	8.6	5	35.7
3	29.8	6	22.0

Staley Fire Tower Oak

Compartment 234
127.6 Acres



- Against State (Red)
- Retention Area (Red)
- Stand Boundaries
- Recreational Trails
- Secondary Forest Road
- County Road - Seasonal
- Private Road
- Section Corners
- Pipeline
- Field Grade Corners
- PU Label





Sale Number	Year
72 - 030	22

TIMBER SALE MAP

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

Forest Management Unit	County	Mapped By	Date	Page	of
Grayling	Crawford	Scott McClarren	09/21/2022	2	2
Township	Range	Section(s) and Subdivision(s)	Scale		
26N	03W	Sec 23; NW,N1/2NE, SENE,NWSW, Sec 24; W1/2NW,NENW, Sec 26; NWSW,S1/2SW	1:15,840		

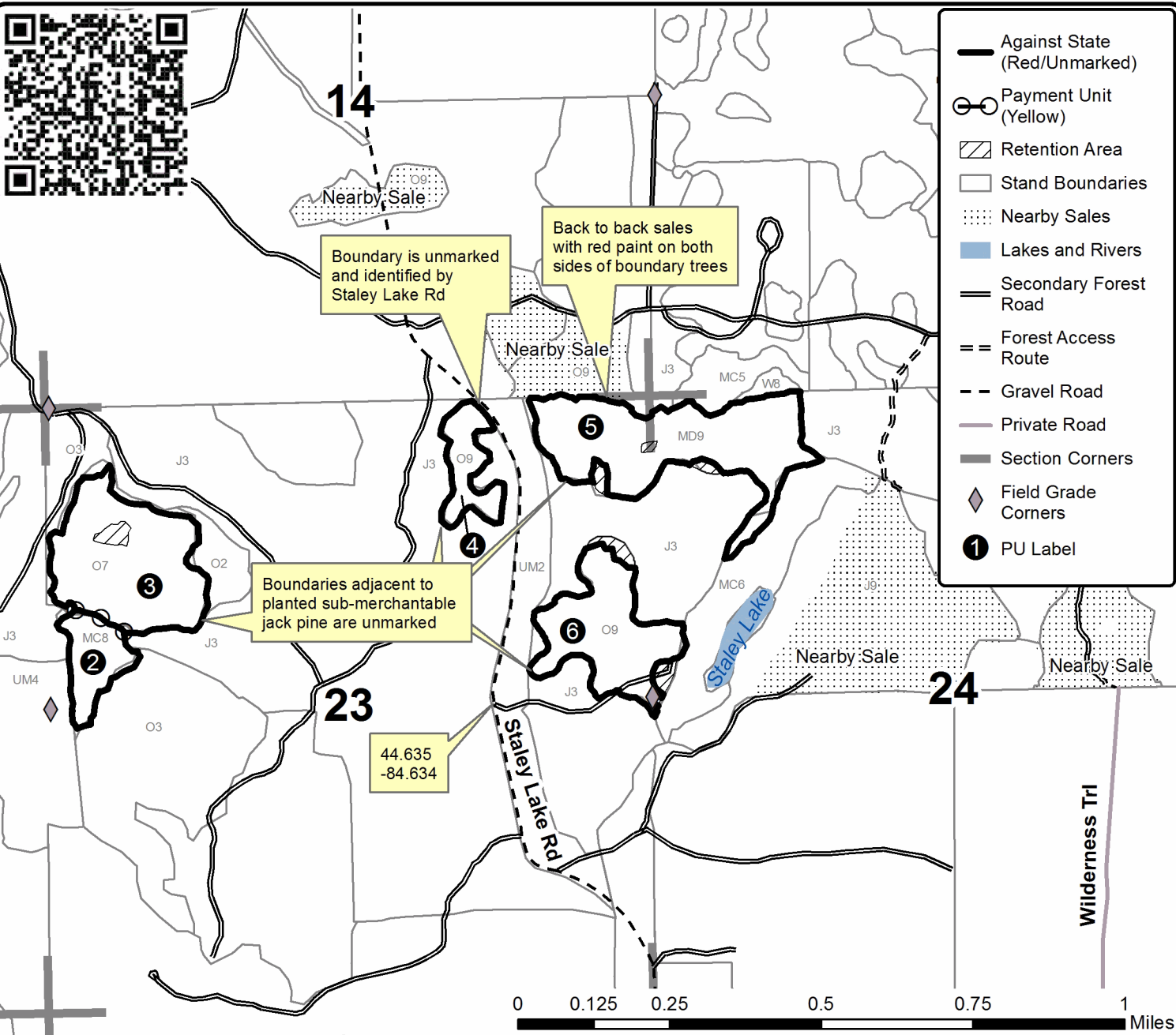
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium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

PU	Acres	PU	Acres
1	23.6	4	7.9
2	8.6	5	35.7
3	29.8	6	22.0

Staley Fire Tower Oak

Compartment 234

127.6 Acres



Down in the Dumps Aspen (72-013-22)
T28N, R03W, SEC. 4; T28N, R03W, SEC. 5; T28N, R03W, SEC. 8; T28N, R03W,

In response to the notice of sale to be held 9:00 a.m. (local time) on January 30, 2023, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Basswood	2.5 MBF	\$ 69.00/MBF	\$ _____
Mixed Aspen	82.5 MBF	\$ 71.00/MBF	\$ _____
Red Maple	10.3 MBF	\$ 74.00/MBF	\$ _____
Red Oak	1.6 MBF	\$ 121.00/MBF	\$ _____
Pulpwood			
Jack Pine	5 Cords	\$ 18.80/Cord	\$ _____
Mixed Aspen	1,162 Cords	\$ 28.20/Cord	\$ _____
Mixed Hardwood	415 Cords	\$ 29.45/Cord	\$ _____
Paper Birch	61 Cords	\$ 23.15/Cord	\$ _____
Red Oak	82 Cords	\$ 28.05/Cord	\$ _____
Scotch Pine	4 Cords	\$ 12.35/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 16.87 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

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

FEDERAL ID: _____ or SOCIAL SECURITY NUMBER: _____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

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

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

Phone number : _____ Email (optional): _____

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



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

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

- 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

Barker KW (72-028-22)
T26N, R03W, SEC. 34; Crawford COUNTY

In response to the notice of sale to be held 9:00 a.m. (local time) on January 30, 2023, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Red Pine	88.8 MBF	\$ 117.00/MBF	\$ _____
Pulpwood			
B. T. Aspen	3 Cords	\$ 28.20/Cord	\$ _____
Black Cherry	14 Cords	\$ 29.45/Cord	\$ _____
Jack Pine	1,173 Cords	\$ 18.80/Cord	\$ _____
Northern Pin Oak	35 Cords	\$ 28.05/Cord	\$ _____
Red Pine	54 Cords	\$ 38.65/Cord	\$ _____
White Oak	12 Cords	\$ 28.05/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 12.20 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

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

FEDERAL ID: _____ or SOCIAL SECURITY NUMBER: _____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

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

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

Phone number : _____ Email (optional): _____

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



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

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

Please Check Appropriate Categories:

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

_____ Full-time Employees

_____ Part-time Employees

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

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

Signature of Owner or Authorized Representative

Title

Date

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

Staley Fire Tower Oak (72-030-22)

T26N, R03W, SEC. 14; T26N, R03W, SEC. 23; T26N, R03W, SEC. 24; T26N,

In response to the notice of sale to be held 9:00 a.m. (local time) on January 30, 2023, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Mixed Oak	69.5 MBF	\$ 137.00/MBF	\$ _____
Red Pine	45.2 MBF	\$ 117.00/MBF	\$ _____
White Oak	56.4 MBF	\$ 77.00/MBF	\$ _____
White Pine	16.6 MBF	\$ 75.00/MBF	\$ _____
Pulpwood			
B. T. Aspen	384 Cords	\$ 28.20/Cord	\$ _____
Jack Pine	158 Cords	\$ 18.80/Cord	\$ _____
Misc. Species 1	14 Cords	\$ 5.85/Cord	\$ _____
Mixed Hardwood	128 Cords	\$ 29.45/Cord	\$ _____
Mixed Oak	724 Cords	\$ 28.05/Cord	\$ _____
Red Pine	141 Cords	\$ 38.65/Cord	\$ _____
White Pine	61 Cords	\$ 25.60/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 9.72 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

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

FEDERAL ID: _____ or SOCIAL SECURITY NUMBER: _____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

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

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

Phone number : _____ Email (optional): _____

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



TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

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

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

Please Check Appropriate Categories:

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

_____ Full-time Employees

_____ Part-time Employees

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

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

Signature of Owner or Authorized Representative

Title

Date

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

Sand Trap Pine (72-029-22)
T26N, R03W, SEC. 13; T26N, R03W, SEC. 24; Crawford COUNTY

In response to the notice of sale to be held 9:00 a.m. (local time) on January 30, 2023, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Mixed Oak	7.9 MBF	\$ 137.00/MBF	\$ _____
Red Pine	9.2 MBF	\$ 117.00/MBF	\$ _____
White Oak	13.2 MBF	\$ 77.00/MBF	\$ _____
White Pine	26.2 MBF	\$ 75.00/MBF	\$ _____
Pulpwood			
Jack Pine	784 Cords	\$ 18.80/Cord	\$ _____
Mixed Oak	76 Cords	\$ 28.05/Cord	\$ _____
Red Pine	27 Cords	\$ 38.65/Cord	\$ _____
Scotch Pine	75 Cords	\$ 12.35/Cord	\$ _____
White Oak	100 Cords	\$ 28.05/Cord	\$ _____
White Pine	189 Cords	\$ 25.60/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 12.17 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

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

FEDERAL ID: _____ or SOCIAL SECURITY NUMBER: _____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

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

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

Phone number : _____ Email (optional): _____

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



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

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

Please Check Appropriate Categories:

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

_____ Full-time Employees

_____ Part-time Employees

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

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

Signature of Owner or Authorized Representative

Title

Date

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

Lonesome Dove Pine (72-021-22)

T27N, R01E, SEC. 11; T27N, R01E, SEC. 13; T27N, R01E, SEC. 14; T27N, R01E,

In response to the notice of sale to be held 9:00 a.m. (local time) on January 30, 2023, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Red Pine	327.1 MBF	\$ 117.00/MBF	\$ _____
Pulpwood			
Balsam Fir	18 Cords	\$ 12.20/Cord	\$ _____
Jack Pine	385 Cords	\$ 18.80/Cord	\$ _____
Mixed Oak	25 Cords	\$ 28.05/Cord	\$ _____
Red Pine	279 Cords	\$ 38.65/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 17.62 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

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

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

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

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

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

Phone number : _____ Email (optional): _____

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



TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

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

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

Please Check Appropriate Categories:

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

_____ Full-time Employees

_____ Part-time Employees

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

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

Signature of Owner or Authorized Representative

Title

Date

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

Raven Remains Red Pine (72-001-22)
T28N, R03W, SEC. 4; T28N, R03W, SEC. 5; T28N, R03W, SEC. 9; T29N, R03W,

In response to the notice of sale to be held 9:00 a.m. (local time) on January 30, 2023, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
B. T. Aspen	16.0 MBF	\$ 71.00/MBF	\$ _____
Red Maple	2.0 MBF	\$ 74.00/MBF	\$ _____
Red Pine	54.1 MBF	\$ 117.00/MBF	\$ _____
Pulpwood			
B. T. Aspen	105 Cords	\$ 28.20/Cord	\$ _____
Jack Pine	17 Cords	\$ 18.80/Cord	\$ _____
Quaking Aspen	46 Cords	\$ 28.20/Cord	\$ _____
Red Maple	101 Cords	\$ 29.45/Cord	\$ _____
Red Pine	566 Cords	\$ 38.65/Cord	\$ _____
Sugar Maple	16 Cords	\$ 29.45/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 19.31 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

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

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

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

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

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

Phone number : _____ Email (optional): _____

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



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

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

Please Check Appropriate Categories:

1. My business is organized as (you **must** check one of the boxes below):
 - A. Sole Proprietorship (individual)
 - B. Partnership
 - C. Corporation

2. You **must** check one of the boxes below:
 - A. I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.
 - B. I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
 - C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.

3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

_____ Full-time Employees

_____ Part-time Employees

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

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

Signature of Owner or Authorized Representative

Title

Date

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