



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #7014

SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on January 26, 2022.

LOCATION: SHINGLETON MGMT UNIT, PO BOX 67, M 28 WEST, SHINGLETON, MI 49884.

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

Deer Tick Circus (41-010-21) / T41N, R17W, SEC. 11, SENE,N1/2SE,SWSE.

T41N, R17W, SEC. 12, NWSW.

T41N, R17W, SEC. 14, N1/2NE.

T41N, R17W, SEC. 15, SESW,SWSE.

T41N, R17W, SEC. 22, NENW.

Schoolcraft County, Advertised Price \$27,471.00, 94.9 Acres, Red Pine, Aspen.

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

The Michigan Department of Transportation (MDOT) must be contacted prior to harvesting timber within the MDOT right-of-way.

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.

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the Enbridge Pipeline R.O.W. for operations.

Within Payment Unit(s) 3, harvesting is not permitted during the period of April 15 to July 15 because of bark slippage.

Trail 7 is a snowmobile trail and is shown on the Timber Sale Map. See Sale Spec 5.2.41 for 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. Access may be through other public land.

Too Many Spider Webs (41-019-21) / T43N, R16W, SEC. 9 , S1/2NW,N1/2SW,SWSW.
Schoolcraft County, Advertised Price \$77,240.85, 108.4 Acres, Aspen, Hardwood.

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

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

Within Payment Unit(s) 3, 4, and 5, harvesting is not permitted during the period of April 15 to July 15 because of bark slippage.

The Hyland Games (41-023-21) / T43N, R16W, SEC. 16, S1/2NW,N1/2SW,SESW,SE.
T43N, R16W, SEC. 21, NENE.
Schoolcraft County, Advertised Price \$27,778.70, 125.2 Acres, White Pine, Aspen.

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

To maintain roads, fill material may be needed in areas where "holes" exist or may be expected to develop. See Sale Spec. 4.2.2 for additional information.

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

BID INSTRUCTIONS (VER. 07/02/2018):

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

Bids must be received by the Unit Manager, SHINGLETON OFFICE, PO Box 67 M 28 West, Shingleton, MI 49884, no later than 2:00 p.m. (local time) on January 26, 2022. For further information concerning this sale, contact Robert Burnham at 906-420-1645 extension n/a.

2. Bidder's Qualifications (5/16)

Purchaser shall obtain workers 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. 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 contract. 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. Timber Sale Contract (7/18)

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 ($\$1,500/\$10,000 * 100$).

10. Disclaimer of Estimates and Bidder's Warranty of Inspection (7/16)

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.

11. Certification and Chain-of-Custody (10/14)

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.

12. Good Neighbor Authority (GNA) Requirements (7/16)

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).

13. Good Neighbor Authority (GNA) Requirements, con't (9/16)

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

Deer Tick Circus (41-010-21)

T41N, R17W, SEC. 11; T41N, R17W, SEC. 12; T41N, R17W, SEC. 14; T41N, R17W, SEC. 15; T41N, R17W, SEC. 22.
Schoolcraft County (Advertised Price \$27,471.00)

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

The Michigan Department of Transportation (MDOT) must be contacted prior to harvesting timber within the MDOT right-of-way.

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.

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the Enbridge Pipeline R.O.W. for operations.

Within Payment Unit(s) 3, harvesting is not permitted during the period of April 15 to July 15 because of bark slippage.

Trail 7 is a snowmobile trail and is shown on the Timber Sale Map. See Sale Spec 5.2.41 for 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. Access may be through 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	2.3 MBF	\$ 49.00 / MBF
Black Cherry	2.4 MBF	\$ 80.00 / MBF
Red Maple	8.1 MBF	\$ 94.00 / MBF
Sugar Maple	15.7 MBF	\$ 318.00 / MBF
Pulpwood		
Jack Pine	38 Cords	\$ 16.25 / Cord
Mixed Aspen	107 Cords	\$ 22.85 / Cord
Mixed Hardwood	74 Cords	\$ 13.45 / Cord
Red Pine	401 Cords	\$ 42.45 / Cord
White Pine	27 Cords	\$ 12.30 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 8.18 percent. There are an estimated 720 cords on this timber sale, plus or minus 59 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$1,374.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule :
 - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - (b) The 10% down payment will be credited towards the first unit cut.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

<u>PAYMENT UNIT NUMBER</u>	<u>PERCENT OF TOTAL SALE VALUE</u>
01	7.4%
02	20.7%
03	24.4%
04	9.9%
05	24.0%
06	13.6%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2024.

SALE STATISTICS

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

SALE VOLUMES

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

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
56,853	720	8.18%	661	779

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
13	10,596	134	17.75%	110	158
16	3,565	45	17.41%	37	53
17	12,213	155	17.68%	127	182
22	5,073	64	40.82%	38	90
32	214	3	0.00%	3	3
39	14,897	189	8.54%	172	205
57	9,008	114	27.63%	83	146
139	79	1	0.00%	1	1
TOTAL:	55,646	704		572	837

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
13	21.6	2	21.6
16	4.5	1	4.5
17	15.9	5	15.9
22	8.2	4	8.2
32	0.9	1	0.9
39	23.9	6	23.9
57	19.7	3	19.7
139	0.2	6	0.2
TOTAL:	94.9		94.9

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Pulpwood	48	Cords	5.4	\$2,037.60
2	Red Pine	Pulpwood	134	Cords	21.6	\$5,688.30
3	Basswood	Sawtimber	2.3	MBF	19.7	\$6,700.60
	Red Maple		8.1	MBF		
	Sugar Maple		15.7	MBF		
	Mixed Hardwood	Pulpwood	62	Cords		
	<i>Basswood</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		28	<i>Cords</i>		
	<i>Sugar Maple</i>	33	<i>Cords</i>			
4	Red Pine	Pulpwood	64	Cords	8.2	\$2,716.80
5	Red Pine	Pulpwood	155	Cords	15.9	\$6,579.75
6	Black Cherry	Sawtimber	2.4	MBF	24.1	\$3,747.95
	Jack Pine	Pulpwood	38	Cords		
	Mixed Aspen		107	Cords		
	<i>B. T. Aspen</i>		21	<i>Cords</i>		
	<i>Quaking Aspen</i>		86	<i>Cords</i>		
	Mixed Hardwood		12	Cords		
	<i>Black Cherry</i>		12	<i>Cords</i>		
	White Pine		27	Cords		
TOTAL:			28.5	MBF		
TOTAL:			647	Cords		

Sale Specific Conditions & Requirements

Sale Name: Deer Tick Circus

Sale Number: 41-010-21 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue, red, and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 6, cut all trees that are two (2) inches or more at DBH, except oak, hemlock, and cedar.

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

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

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within Payment Unit(s) 1, 2, 4, and 5 shall not exceed 12 inches for trees greater than 10 inches at DBH and 4 inches for trees smaller than 10 inches at DBH.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) with a value greater than \$20,000 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 oak and hemlock. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$100 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.

4.1.4 - Timber removed for construction (12/09)

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

4.1.6 - Road construction (1/09)

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

4.1.7 - Road closure (10/11)

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

4.2 - Maintenance

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning, and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

4.3 - Public Right-of-Way

4.3.1 - MDOT R-O-W (11/14)

The Michigan Department of Transportation (MDOT) must be contacted prior to harvesting timber within the MDOT right-of-way. Cut and remove all standing trees 4.6" DBH or greater within 33 feet of the center line of M-149 in the area north of Payment Unit 5. These trees will be decked separately if they are not included in the Payment Unit and they will be billed at the Contract Price.

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

5.1 - Notification

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

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the Enbridge Pipeline R.O.W. for operations.

5.2 - Conduct of Operations

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

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

5.2.3 - Operating Restrictions

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 3, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

5.2.3.6 - Bark beetle restriction (12/08)

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed

from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4 mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

5.2.32 - Decking/landing restoration (9/13)

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

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

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

5.2.41 - Snowmobile trail protection (9/11)

Trail 7 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 trail cannot be used between December 1 and March 31 unless approved by the Unit Manager. All stumps within 20 of the Trail need to be cut flush with the ground.

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

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

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

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from April 1 to July 30. Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on M-149 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
41-010	21

TIMBER SALE MAP

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

Forest Management Unit Shingleton	County Schoolcraft	Mapped By Irving	Date 6/3/2021	Page 1	of 1
Township 41N	Range 17W	Section(s) and Subdivision(s) S11 SENE, N1/2SE, SWSE S12 NWSW; S14 N1/2NE; S15 SESW, SWSE; S22 NENW	Scale 1:15,840		

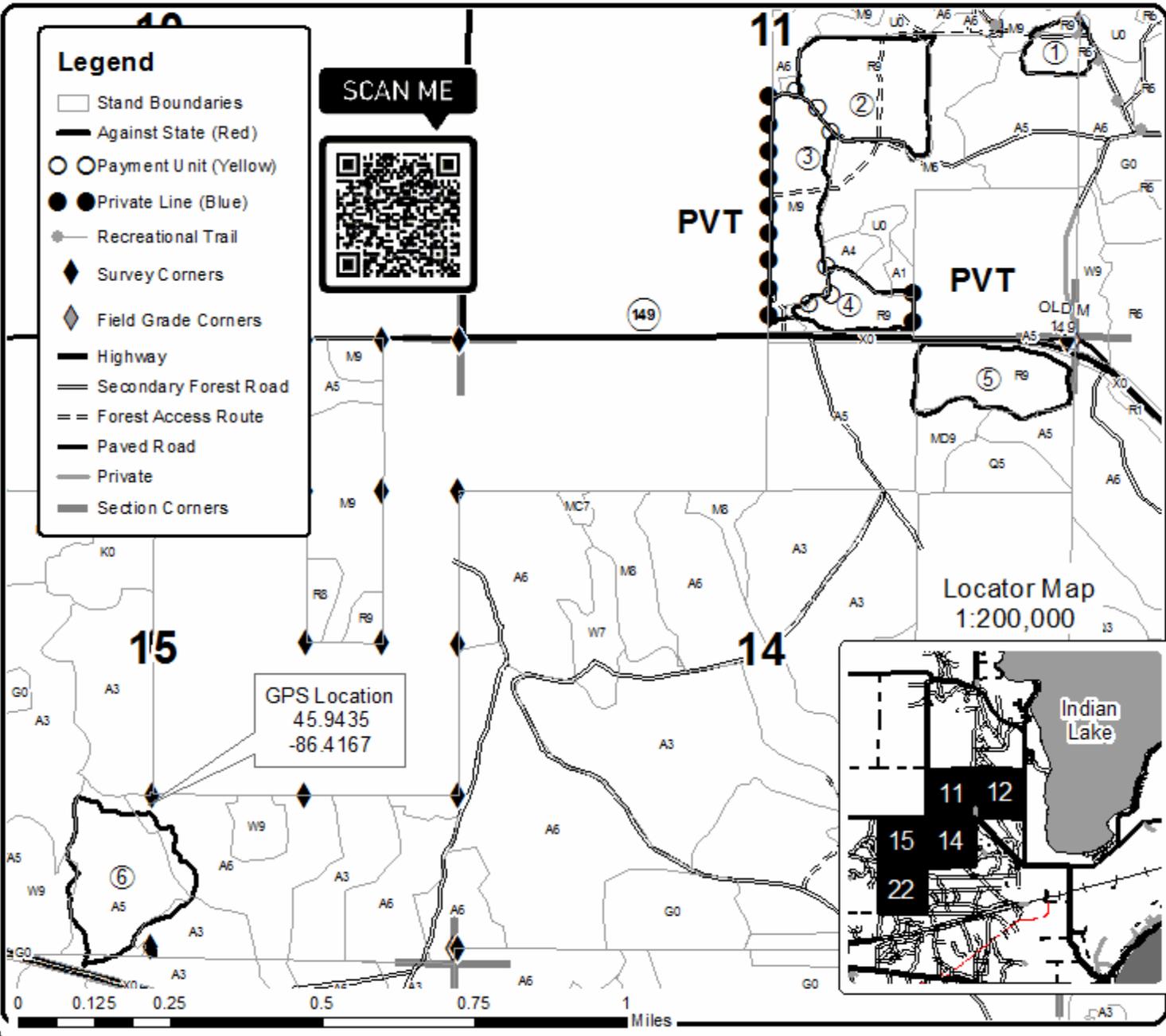
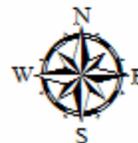
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
D = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	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. Dec. Decid	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	5.4	4	8.2
2	21.6	5	15.9
3	19.7	6	24.1

Deer Tick Circus

Compartment 82

94.9 Acres

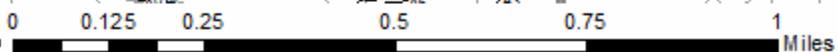
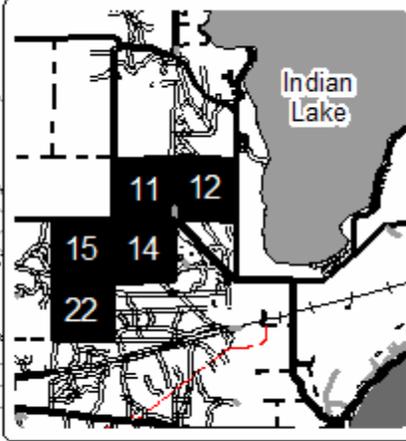


Legend

- Stand Boundaries
- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Recreational Trail
- ◆ Survey Corners
- ◇ Field Grade Corners
- Highway
- Secondary Forest Road
- Forest Access Route
- Paved Road
- Private
- Section Corners

SCAN ME

Locator Map
1:200,000



TIMBER SALE INFORMATION

Too Many Spider Webs (41-019-21)
 T43N, R16W, SEC. 9.
 Schoolcraft County (Advertised Price \$77,240.85)

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

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

Within Payment Unit(s) 3, 4, and 5, harvesting is not permitted during the period of April 15 to July 15 because of bark slippage.

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		
Black Cherry	1.3 MBF	\$ 80.00 / MBF
Paper Birch	4.7 MBF	\$ 31.00 / MBF
Red Maple	41.4 MBF	\$ 94.00 / MBF
Sugar Maple	133.9 MBF	\$ 318.00 / MBF
Yellow Birch	5.3 MBF	\$ 37.00 / MBF
Pulpwood		
Balsam Fir	17 Cords	\$ 9.25 / Cord
Beech	283 Cords	\$ 13.45 / Cord
Mixed Aspen	839 Cords	\$ 22.85 / Cord
Mixed Hardwood	484 Cords	\$ 13.45 / Cord
Paper Birch	32 Cords	\$ 11.75 / Cord
White Pine	18 Cords	\$ 12.30 / Cord
White Spruce	6 Cords	\$ 13.55 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 4.96 percent. There are an estimated 2,102 cords on this timber sale, plus or minus 104 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 \$3,862.00 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	13.1%
02	13.5%
03	32.3%
04	27.4%
05	13.7%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2024.

SALE STATISTICS

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

SALE VOLUMES

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

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
166,092	2,102	4.96%	1,998	2,207

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	75,392	954	8.50%	873	1,035
2	86,612	1,096	5.87%	1,032	1,161
TOTAL:	162,004	2,051		1,905	2,196

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	34.7	1	17.1
		2	17.6
2	73.7	3	32.4
		4	27.5
		5	13.8
TOTAL:	108.4		108.4

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Balsam Fir	Pulpwood	6	Cords	17.1	\$10,144.40
	Mixed Aspen		411	Cords		
	<i>B. T. Aspen</i>		411	<i>Cords</i>		
	Mixed Hardwood		31	Cords		
	<i>Red Maple</i>		31	<i>Cords</i>		
	Paper Birch		11	Cords		
	White Pine		9	Cords		
	White Spruce		3	Cords		
2	Balsam Fir	Pulpwood	6	Cords	17.6	\$10,430.35
	Mixed Aspen		423	Cords		
	<i>B. T. Aspen</i>		423	<i>Cords</i>		
	Mixed Hardwood		31	Cords		
	<i>Red Maple</i>		31	<i>Cords</i>		
	Paper Birch		12	Cords		
	White Pine		9	Cords		
	White Spruce		3	Cords		
3	Black Cherry	Sawtimber	0.6	MBF	32.4	\$24,885.00
	Paper Birch	Pulpwood	2.0	MBF		
	Red Maple		18.2	MBF		
	Sugar Maple		58.8	MBF		
	Yellow Birch		2.3	MBF		
	Balsam Fir		2	Cords		
	Beech		124	Cords		
	Mixed Aspen		2	Cords		
	<i>B. T. Aspen</i>		2	<i>Cords</i>		
	Mixed Hardwood		186	Cords		
	<i>Black Cherry</i>		6	<i>Cords</i>		
	<i>Red Maple</i>		65	<i>Cords</i>		
	<i>Sugar Maple</i>		107	<i>Cords</i>		
	<i>Yellow Birch</i>		8	<i>Cords</i>		
	Paper Birch		4	Cords		
4	Black Cherry		Sawtimber	0.5	MBF	27.5
	Paper Birch	Pulpwood	1.8	MBF		
	Red Maple		15.4	MBF		
	Sugar Maple		50.0	MBF		
	Yellow Birch		2.0	MBF		
	Balsam Fir		2	Cords		
	Beech		106	Cords		
	Mixed Aspen		2	Cords		
	<i>B. T. Aspen</i>		2	<i>Cords</i>		
	Mixed Hardwood		158	Cords		
	<i>Black Cherry</i>		5	<i>Cords</i>		
	<i>Red Maple</i>		56	<i>Cords</i>		
	<i>Sugar Maple</i>		90	<i>Cords</i>		
	<i>Yellow Birch</i>		7	<i>Cords</i>		
	Paper Birch		3	Cords		
5	Black Cherry		Sawtimber	0.2	MBF	13.8
	Paper Birch	Pulpwood	0.9	MBF		
	Red Maple		7.8	MBF		
	Sugar Maple		25.1	MBF		
	Yellow Birch		1.0	MBF		
	Balsam Fir		1	Cords		
	Beech		53	Cords		
	Mixed Aspen		1	Cords		
	<i>B. T. Aspen</i>		1	<i>Cords</i>		
	Mixed Hardwood		78	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	<i>Black Cherry</i>	<i>Pulpwood</i>	2	<i>Cords</i>		
	<i>Red Maple</i>		28	<i>Cords</i>		
	<i>Sugar Maple</i>		45	<i>Cords</i>		
	<i>Yellow Birch</i>		3	<i>Cords</i>		
	Paper Birch		2	Cords		
TOTAL:			186.6	MBF		
TOTAL:			1,679	Cords		

Sale Specific Conditions & Requirements

Sale Name: Too Many Spider Webs

Sale Number: 41-019-21 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue, red, and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

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

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

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

Within Payment Unit(s) 3-5, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, all beech trees may be cut unless marked with green paint above and below stump height.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) with a value greater than \$20,000 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 oak and hemlock. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$100.00 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.

4.1.4 - Timber removed for construction (12/09)

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

4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be 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. Contact the sale administrator for specific details of design and placement.

4.2 - Maintenance

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning, and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land is the responsibility of the Purchaser. Should the Purchaser desire to cross private land, a copy of the written permission from the private landowner may be required by the DNR.

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

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 3-5, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

5.2.32 - 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

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

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

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no

management activity from April 1 to July 30. Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.



Sale Number	Year
19	21

TIMBER SALE MAP

This information provided by authority of Part 5, 1994 PA 451, as amended.

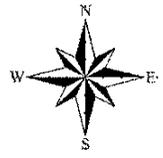
Forest Management Unit Shingleton	County Schoolcraft	Mapped By T. Burais	Date 9/17/21	Page 1	of 1
Compartment Number 37	Township 43N	Range 16W	Section(s) and Subdivision(s) 9 5 1/2 NW, N 1/2 SW, SWSW		

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

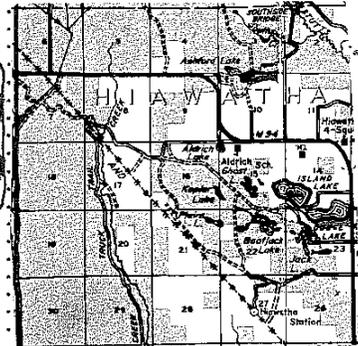
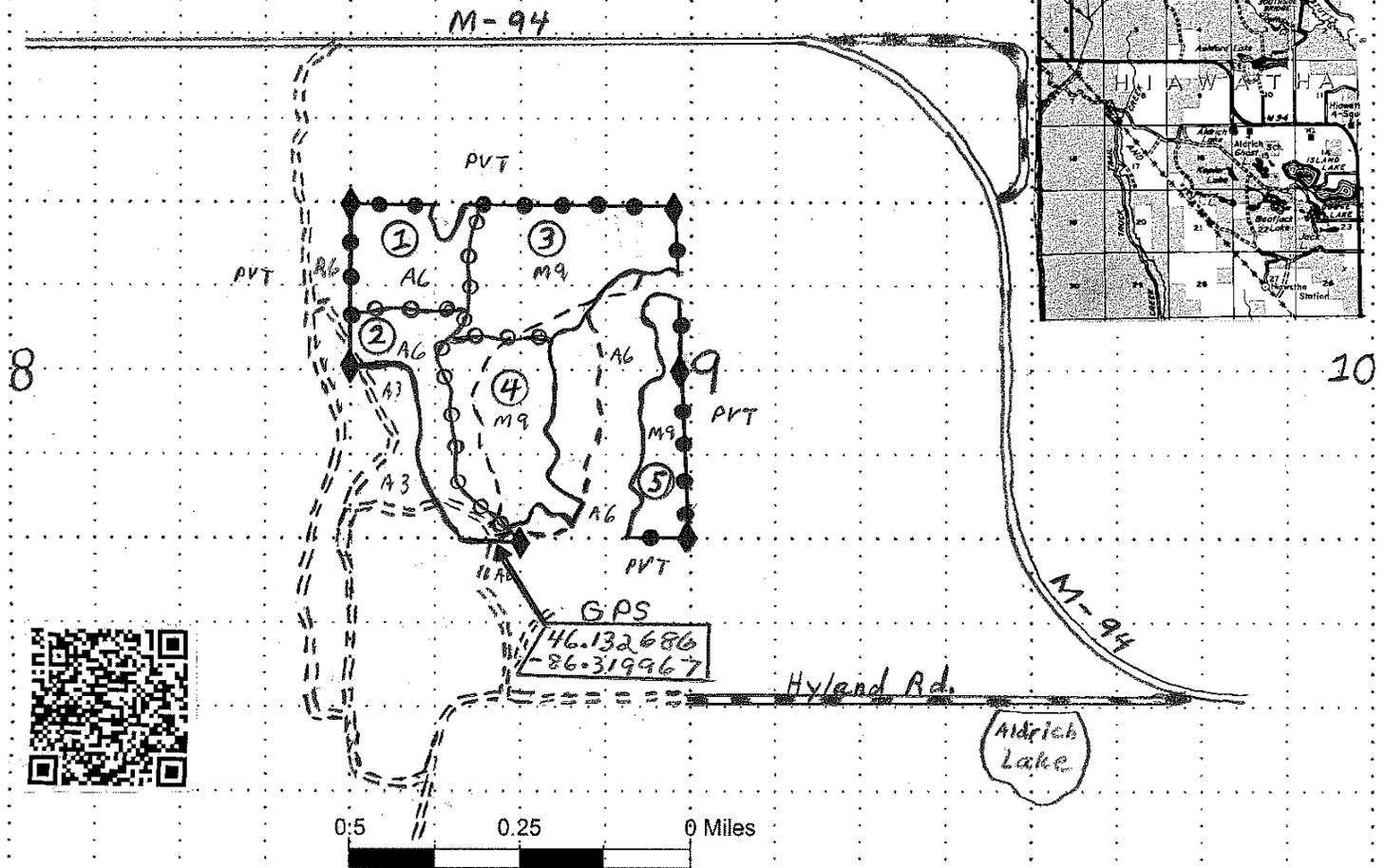
Legend

- Blue Paint
- Yellow Paint
- Red Paint
- State Highway
- County Rd.
- == DIRT Rd.
- - - Closed Rd.
- ① ② Unit Number
- ◆◆ Survey corners

TOO MANY SPIDER WEBS!



UNIT	Acres
1	17.1
2	17.6
3	32.4
4	27.5
5	13.8
Total	108.4



TIMBER SALE INFORMATION

The Hyland Games (41-023-21)
 T43N, R16W, SEC. 16; T43N, R16W, SEC. 21.
 Schoolcraft County (Advertised Price \$27,778.70)

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

To maintain roads, fill material may be needed in areas where "holes" exist or may be expected to develop. See Sale Spec. 4.2.2 for additional information.

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

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

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Red Oak	2.7 MBF	\$ 115.00 / MBF
Pulpwood		
Jack Pine	9 Cords	\$ 16.25 / Cord
Misc. Species 1	2.4 Acres	\$ 3.00 / Acre
Mixed Aspen	383 Cords	\$ 22.85 / Cord
Paper Birch	5 Cords	\$ 11.75 / Cord
Red Maple	8 Cords	\$ 13.45 / Cord
Red Oak	16 Cords	\$ 16.45 / Cord
Red Pine	271 Cords	\$ 42.45 / Cord
White Pine	539 Cords	\$ 12.30 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 5.97 percent. There are an estimated 1,252 cords on this timber sale, plus or minus 75 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 \$1,389.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule :
 - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - (b) The 10% down payment will be credited towards the first unit cut.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	3.8%
02	0.0%
03	0.1%
04	1.2%
05	12.6%
06	11.8%
07	31.4%
08	3.2%
09	35.9%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/30/2025.

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
98,887	1,252	5.97%	1,177	1,327
2.40 acres are being sold by the acre and do not have cubic foot or cord volumes.				

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			RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
1	1,744	22	19.25%	18	26
33	33,839	428	9.14%	389	467
35	2,397	30	33.33%	20	40
36	52,842	669	8.95%	609	729
38	1,789	23	12.50%	20	25
56	4,849	61	21.32%	48	74
65	221	3	50.00%	1	4
88 *			N/A		
TOTAL:	97,680	1,236		1,106	1,367

* This VDU is being sold by the acre. There are no cruise statistics available.

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	2.4	8	2.4
33	35.9	9	35.9
35	2.5	9	2.5
36	64.2	5	14.4
		6	13.5
		7	36.3
38	3.6	4	3.6
56	10.5	1	10.5
65	3.7	3	3.7
88	2.4	2	2.4
TOTAL:	125.2		125.2

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE				
1	Jack Pine	Pulpwood	8	Cords	10.5	\$1,066.75				
	Mixed Aspen		27	Cords						
	<i>B. T. Aspen</i>		27	<i>Cords</i>						
	White Pine		26	Cords						
2	Misc. Species 1	Pulpwood	2.4	Acres	2.4	\$7.20				
3	Paper Birch	Pulpwood	1	Cords	3.7	\$36.35				
	White Pine		2	Cords						
4	Red Pine	Pulpwood	2	Cords	3.6	\$330.90				
	White Pine		20	Cords						
5	Red Oak	Sawtimber	0.6	MBF	14.4	\$3,498.40				
	Red Oak	Pulpwood	4	Cords						
	Red Pine		52	Cords						
	White Pine		94	Cords						
6	Red Oak	Sawtimber	0.6	MBF	13.5	\$3,280.80				
	Red Oak	Pulpwood	3	Cords						
	Red Pine		49	Cords						
	White Pine		88	Cords						
7	Red Oak	Sawtimber	1.5	MBF	36.3	\$8,729.55				
	Red Oak	Pulpwood	9	Cords						
	Red Pine		130	Cords						
	White Pine		235	Cords						
8	Jack Pine	Pulpwood	1	Cords	2.4	\$877.55				
	Red Pine		20	Cords						
	White Pine		1	Cords						
9	Mixed Aspen	Pulpwood	356	Cords	38.4	\$9,951.20				
	<i>B. T. Aspen</i>		310	<i>Cords</i>						
	<i>Quaking Aspen</i>		46	<i>Cords</i>						
	Paper Birch		4	Cords						
	Red Maple		8	Cords						
	Red Pine		18	Cords						
	White Pine		73	Cords						
	TOTAL:			2.7			MBF			
	TOTAL:			1,231			Cords			
TOTAL:			2.4	Acres						

Sale Specific Conditions & Requirements

Sale Name: The Hyland Games

Sale Number: 41-023-21 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue, red, and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1-7, and 9, cut all trees that are two (2) inches or more at DBH and/or 15' tall. Within Payment Units 2-4 and 9 do not cut any oak or hemlock.

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

Within Payment Unit(s) 8, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within Payment Units 5-8 shall not exceed 6 inches for all trees. This is to facilitate planting operations.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) with a value greater than \$20,000 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.

4 - Transportation

4.1 - Construction

4.1.3 - Slash and earthen piles (8/04)

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

4.1.4 - Timber removed for construction (12/09)

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

4.1.6 - Road construction (1/09)

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

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. Overgrown roads that are

reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Stumps and brush must be placed along the remainder of the trail. These roads must be rendered impassable to cars and trucks. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. These stumps must be scattered along the road system to prohibit vehicular movement. Contact the sale administrator for specific details of design and placement.

4.2 - 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.

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning, and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

5 - Operations

5.2 - 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 5-7 shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. Stumps shall be cut low to the ground. Processing sites shall not be left with a compacted layer of slash; tops from these sites shall be hauled back into the cut area and scattered.

5.2.3 - Operating Restrictions

5.2.3.6 - Bark beetle restriction (12/08)

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

5.2.32 - 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

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

In the event that an active red shoulder hawk or goshawk nest is found, the contract may be amended to protect the nest site

until the nest is determined to be inactive. The value of the trees in this excluded area will be refunded or credited to the Purchaser. The nest will be buffered with a five-chain radius (eight acre) protection area, centered on the nest tree, in which there will be no cutting or new roads constructed. Avoid human disturbance, including loading and skidding, in the protection area.

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from April 1 to July 30 (UP). Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.

7 - Other Conditions

7.3 - Contract Modifications

7.3.3 - Modification for reforestation (8/05)

When contractual work of Purchaser has been accepted for any Payment Unit identified on Sale Area Map, Payment Unit will be eliminated from the Sale Area on written notice so that reforestation operations can begin.



TIMBER SALE MAP

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

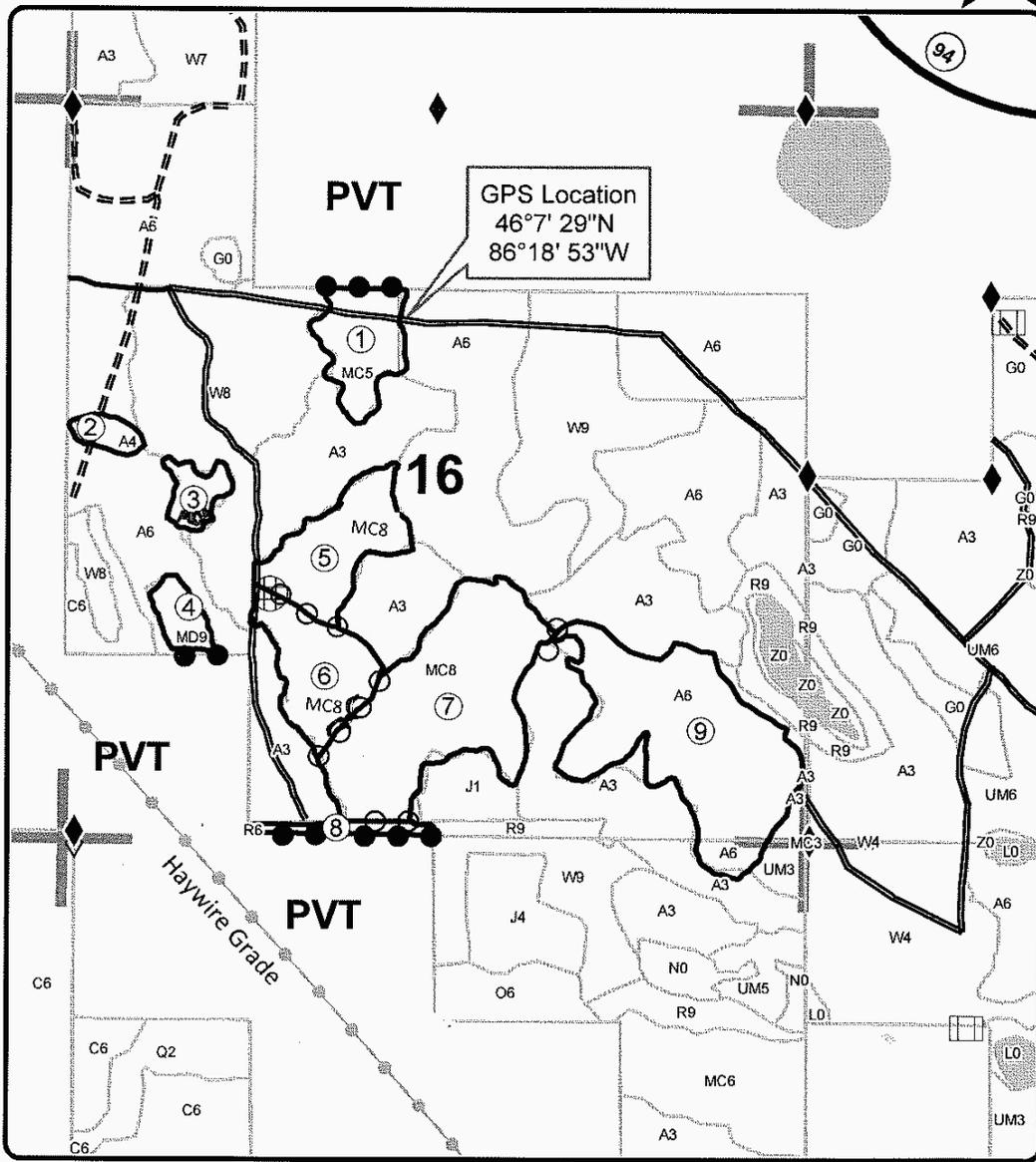
Sale Number	Year
41-023	21

Forest Management Unit Shingleton	County Schoolcraft	Mapped By Irving	Date 9/26/2021	Page 1	of 1
Township 43N	Range 16W	Section(s) and Subdivision(s) S16: S1/2NW, N1/2SW, SESW, SE S21: NENE	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 = Tread 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	10.5	6	13.5
2	2.4	7	36.3
3	3.7	8	2.4
4	3.6	9	38.4
5	14.4		

The Hyland Games Compartment 37 125.2 Acres



Legend

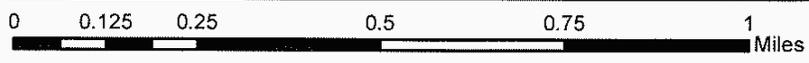
- Against State (Red)
- ○ Payment Unit (Yellow)
- ● Private Line (Blue)
- ◆ Survey Corners
- Primary Forest Road
- Secondary Forest Road
- === Forest Access Route
- Paved Road
- - - Gravel Road
- - - County Road - Seasonal
- Private
- Lakes and Rivers
- Stand Boundaries
- Section Corners
- Recreational Trail

Gates and Berms

Type

- Gate
- Berms

SCAN ME



Deer Tick Circus (41-010-21)
T41N, R17W, SEC. 11; T41N, R17W, SEC. 12; T41N, R17W, SEC. 14; T41N,

In response to the notice of sale to be held 2:00 p.m. (local time) on January 26, 2022, 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	2.3 MBF	\$ 49.00/MBF	\$ _____
Black Cherry	2.4 MBF	\$ 80.00/MBF	\$ _____
Red Maple	8.1 MBF	\$ 94.00/MBF	\$ _____
Sugar Maple	15.7 MBF	\$ 318.00/MBF	\$ _____
Pulpwood			
Jack Pine	38 Cords	\$ 16.25/Cord	\$ _____
Mixed Aspen	107 Cords	\$ 22.85/Cord	\$ _____
Mixed Hardwood	74 Cords	\$ 13.45/Cord	\$ _____
Red Pine	401 Cords	\$ 42.45/Cord	\$ _____
White Pine	27 Cords	\$ 12.30/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 8.18 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

Too Many Spider Webs (41-019-21)
T43N, R16W, SEC. 9; Schoolcraft COUNTY

In response to the notice of sale to be held 2:00 p.m. (local time) on January 26, 2022, 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			
Black Cherry	1.3 MBF	\$ 80.00/MBF	\$ _____
Paper Birch	4.7 MBF	\$ 31.00/MBF	\$ _____
Red Maple	41.4 MBF	\$ 94.00/MBF	\$ _____
Sugar Maple	133.9 MBF	\$ 318.00/MBF	\$ _____
Yellow Birch	5.3 MBF	\$ 37.00/MBF	\$ _____
Pulpwood			
Balsam Fir	17 Cords	\$ 9.25/Cord	\$ _____
Beech	283 Cords	\$ 13.45/Cord	\$ _____
Mixed Aspen	839 Cords	\$ 22.85/Cord	\$ _____
Mixed Hardwood	484 Cords	\$ 13.45/Cord	\$ _____
Paper Birch	32 Cords	\$ 11.75/Cord	\$ _____
White Pine	18 Cords	\$ 12.30/Cord	\$ _____
White Spruce	6 Cords	\$ 13.55/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 4.96 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

The Hyland Games (41-023-21)
T43N, R16W, SEC. 16; T43N, R16W, SEC. 21; Schoolcraft COUNTY

In response to the notice of sale to be held 2:00 p.m. (local time) on January 26, 2022, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Red Oak	2.7 MBF	\$ 115.00/MBF	\$ _____
Pulpwood			
Jack Pine	9 Cords	\$ 16.25/Cord	\$ _____
Misc. Species 1	2.4 Acres	\$ 3.00/Acres	\$ _____
Mixed Aspen	383 Cords	\$ 22.85/Cord	\$ _____
Paper Birch	5 Cords	\$ 11.75/Cord	\$ _____
Red Maple	8 Cords	\$ 13.45/Cord	\$ _____
Red Oak	16 Cords	\$ 16.45/Cord	\$ _____
Red Pine	271 Cords	\$ 42.45/Cord	\$ _____
White Pine	539 Cords	\$ 12.30/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 5.97 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