

DEPARTMENT OF NATURAL RESOURCES STATE OF MICHIGAN TIMBER SALE PROSPECTUS #7195

SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on January 25, 2023. LOCATION: SHINGLETON MGMT UNIT, PO BOX 67, M 28 WEST, SHINGLETON, MI 49884.

<u>PROSPECTUS NOTE:</u> 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:

Hog Island (41-006-22) / T44N, R13W, SEC. 1, SWNW.

T44N, R13W, SEC. 13, SENW.

T44N, R13W, SEC. 2, SENW, S1/2NE.

T44N, R13W, SEC. 24, SWSE.

T44N, R13W, SEC. 25, NWNE.

Schoolcraft County, Advertised Price \$54,836.85, 97.7 Acres, Aspen, Hardwood.

SALE NOTE: The county must be contacted prior to crossing or harvesting in the county road R-O-W. See Sale Spec 4.3.2 for details.

Within Payment Unit(s) 1, 2, 4 and 5, harvesting is limited to frozen conditions, generally December 1 through March 31 due to wet soils.

County Road 447 is a snowmobile trail. 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.

Westshore Red Pine 2 (41-008-22) / T42N, R17W, SEC. 35, NWNW,S1/2NW,S1/2NE,E1/2SW,SE. Schoolcraft County, Advertised Price \$118,167.80, 173.5 Acres, Red Pine, Hardwood.

SALE NOTE: Payment Unit 1 shall be cut first, unless approved by the Unit Manager or his/her representative.

A snowmobile trail 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.

Old School Zoo (41-009-22) / T41N, R17W, SEC. 16, NWSW. T41N, R17W, SEC. 28, SW.

Schoolcraft County, Advertised Price \$7,853.45, 45.1 Acres, Aspen, White Pine.

SALE NOTE: No new roads will be permitted in Payment Unit 3.

The county must be contacted prior to crossing or harvesting in the county road R-O-W. See Sale Spec 4.3.2 for additional information.

Within Payment Unit(s) 2, harvesting is not permitted during the period of April 15 to July 15 because of bark slippage.

A snowmobile trail 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.

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

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 25, 2023. For further information concerning this sale, contact Robert Burnham at 906-420-1645 extension n/a.

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

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TIMBER SALE INFORMATION

Hog Island (41-006-22)

T44N, R13W, SEC. 1; T44N, R13W, SEC. 13; T44N, R13W, SEC. 2; T44N, R13W, SEC. 24; T44N, R13W, SEC. 25. Schoolcraft County (Advertised Price \$54,836.85)

SALE NOTE: The county must be contacted prior to crossing or harvesting in the county road R-O-W. See Sale Spec 4.3.2 for details.

Within Payment Unit(s) 1, 2, 4 and 5, harvesting is limited to frozen conditions, generally December 1 through March 31 due to wet soils.

County Road 447 is a snowmobile trail. 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.

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:

PRODUCTS & SPECIES	ESTIMATED UNITS*		<u>ADV</u>	ERTISED PRICE
Sawtimber				
Paper Birch	5.2	MBF	\$	101.00 / MBF
Red Maple	60.5	MBF	\$	93.00 / MBF
Sugar Maple	35.7	MBF	\$	291.00 / MBF
Pulpwood				
Balsam Fir	155	Cords	\$	8.15 / Cord
Mixed Aspen	1,323	Cords	\$	19.00 / Cord
Mixed Hardwood	716	Cords	\$	12.70 / Cord
N. White Cedar	90	Cords	\$	4.70 / Cord
Paper Birch	126	Cords	\$	14.30 / Cord
Tamarack	5	Cords	\$	2.05 / Cord
White Spruce	37	Cords	\$	15.35 / Cord

^{*} The total volume is statistically estimated within plus (+) or minus (-) 17.04 percent. There are an estimated 2,594 cords on this timber sale, plus or minus 442 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 \$2,742.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
- 2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
- 3. Total payment must be paid in advance or according to the following schedule:
 - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - (b) The 10% down payment will be credited towards the first unit cut.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	14.2%
02	24.1%
03	50.5%
04	0.9%
05	10.3%

- 4. If no cutting takes place, the 10% down payment will not be refunded.
- 5. Operations on the contract issued will terminate on 06/30/2026.

SALE STATISTICS

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

SALE VOLUMES

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

VOL	UME		STATISTICAL RA	ANGE IN CORDS
TOTAL CUBIC FEET	EET TOTAL CORDS PERCENT E		MINIMUM	MAXIMUM
204,888	2,594	17.04%	2,151	3,036

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 II	N CORDS
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
1	29,946	379	27.74%	274	484
2	5,419	69	40.63%	41	96
3	35,632	451	26.34%	332	570
4	99,818	1,264	20.44%	1,005	1,522
5	5,467	69	104.71%	3	142
6	28,606	362	30.51%	252	473
TOTAL:	204,888	2,594		1,900	3,287

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.

TOTAL:	97.7		97.7
6	10.8	5	10.8
5	3.8	4	3.8
4	29.0	3	29.0
3	42.7	2	42.7
2	3.4	1	3.4
1	8.0	1	8.0
VDU	VDU ACRES	PU	PU ACRES

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Paper Birch	Sawtimber	5.2	MBF	11.4	\$7,771.10
	Red Maple		5.5	MBF		
	Balsam Fir	Pulpwood	26	Cords		
	Mixed Aspen		266	Cords		
	B. T. Aspen		264	Cords		
	Balsam Poplar		2	Cords		
	Mixed Hardwood		59	Cords		
	Black Ash		11	Cords		
	Red Maple		40	Cords		
	Yellow Birch		8	Cords		
	N. White Cedar		46	Cords		
	Paper Birch		18	Cords		
	White Spruce		16	Cords		
2	Red Maple	Sawtimber	55.0	MBF	42.7	\$13,232.30
	Sugar Maple		15.5	MBF		, ,, ,
	Mixed Hardwood	Pulpwood	284	Cords		
	Beech		55	Cords		
	Red Maple		138	Cords		
	Sugar Maple		89	Cords		
	Yellow Birch		2	Cords		
3	Sugar Maple	Sawtimber	20.2	MBF	29.0	\$27,663.65
٦	Balsam Fir	Pulpwood	29	Cords	29.0	Ψ21,003.03
	Mixed Aspen	i dipwood	845	Cords		
	B. T. Aspen		814	Cords		
	Quaking Aspen		31	Cords		
	Mixed Hardwood		311	Cords		
				Cords		
	Basswood Beech		15			
			10	Cords		
	Black Cherry		11	Cords		
	Red Maple		18	Cords		
	Sugar Maple		193	Cords		
	White Ash		64	Cords		
	Paper Birch	5	108	Cords	0.0	# 540.00
4	Balsam Fir	Pulpwood	17	Cords	3.8	\$512.90
	Mixed Hardwood		9	Cords		
	Black Ash		9	Cords		
	N. White Cedar		39	Cords		
	White Spruce		5	Cords		
5	Balsam Fir	Pulpwood	83	Cords	10.8	\$5,656.90
	Mixed Aspen		212	Cords		
	B. T. Aspen		212	Cords		
	Mixed Hardwood		53	Cords		
	Red Maple		11	Cords		
	Sugar Maple		42	Cords		
	N. White Cedar		5	Cords		
	Tamarack		5	Cords		
	White Spruce		16	Cords		
		TOTAL:	101.4	MBF		

Sale Specific Conditions & Requirements

Sale Name: Hog Island Sale Number: 41-006-22 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, 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, 3 & 5, cut all aspen and hardwood trees that are two (2) inches or more at DBH. In addition, cut all other trees that meet minimum piece specifications in 2.2 Utilization.

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

Within Payment Unit(s) 4, cut all trees which meet minimum piece specifications in 2.2 Utilization.

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

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

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 within 30 days of completion of hauling. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing double earthen berms at strategic locations. These roads must be rendered impassable to cars and trucks. Contact the sale administrator for specific details of

design and placement.

4.3 - Public Right-of-Way

4.3.2 - County R-O-W (12/06)

The county must be contacted prior to crossing or harvesting in the county road R-O-W. This applies to Payment Units 1-5 and County Roads 447, Burns Road, and Zellar Road.

5 - Operations

5.1 - Notification

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

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the power line R.O.W. for operations. This applies to Payment Units 2 & 3.

5.2 - Conduct of Operations

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

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

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1, 2, 4, and 5, unless changed by written agreement, cutting, skidding, and hauling are limited frozen conditions. This period is generally from (but not limited to) December 1 thru March 31. This restriction is due to wet soils.

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. No decking of forest products will be permitted in the powerline R.O.W.

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)

County Road 447 is a snowmobile trail. Do not cut or damage posts with orange trail markers or traffic control signs. 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.

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 nearby County Roads 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 County Road 447 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.

Section Name: Sale Specific Current as of 12/15/2022 8:43:55AM

D = Treed Bog	OF MATURAL P	Michigar	Department of Natural F	Resources - F	orest Resource	s Division	S	ale Numbe	r	Y	ear
This Information provided by authority of Part 5, 1944 PA 451, as amanded. County Shinale To Shinale	E DNE	TIMBER SALE MAP						سد			
Schoolcraft Compartment Number Compartment Number Cover Type Co	Forestition	This inform	nation provided by author	ity of Part 5,	1994 PA 451, at						369380
A - Apper Birch A - Paper Birch C - Coder C - Coder C - Coder C - Soder C - Soder C - Soder B - Savening Partwoods B - Source Paper M - Manie, Beech, Birch S - Black Sprice A - Paper Birch C - Structer M - Manie, Beech, Birch M - Source M - Source M - Manie, Beech, Birch M - Manie, Beech, Birc			1 1		7		P		, ., IF	Page	
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TIMBER SALE INFORMATION

Westshore Red Pine 2 (41-008-22) T42N, R17W, SEC. 35.

Schoolcraft County (Advertised Price \$118,167.80)

SALE NOTE: Payment Unit 1 shall be cut first, unless approved by the Unit Manager or his/her representative.

A snowmobile trail 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.

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:

PRODUCTS & SPECIES	ESTIMATED UNITS*		<u>ADV</u>	ERTISED PRICE
Sawtimber				
Black Cherry	4.2	MBF	\$	88.00 / MBF
Red Maple	6.0	MBF	\$	93.00 / MBF
Sugar Maple	23.2	MBF	\$	291.00 / MBF
Pulpwood				
Balsam Fir	33	Cords	\$	8.15 / Cord
Mixed Aspen	22	Cords	\$	19.00 / Cord
Mixed Hardwood	223	Cords	\$	12.70 / Cord
Red Pine	2,133	Cords	\$	50.15 / Cord

^{*} The total volume is statistically estimated within plus (+) or minus (-) 16.20 percent. There are an estimated 2,299 cords on this timber sale, plus or minus 373 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

- 1. A bond in the amount of \$5,908.00 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	44.3%
02	13.0%
03	21.0%
04	21.7%

- 4. If no cutting takes place, the 10% down payment will not be refunded.
- 5. Operations on the contract issued will terminate on 12/31/2025.

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			ANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	RDS PERCENT ERROR MINIMUM		MAXIMUM
181,591	2,299	16.20%	1,926	2,671

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 II	N CORDS
VDU	TOTAL CUBIC FEET TOTAL CORDS		PERCENT ERROR	MINIMUM	MAXIMUM
1	14,969	189	35.12%	123	256
2	63,728	807	18.75%	655	958
3	25,879	328	24.69%	247	408
4	77,015	975	16.40%	815	1,135
TOTAL:	.: 181,591 2,299			1,840	2,757

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	5.8	1	5.8
2	22.5	1	22.5
3	34.6	2	34.6
4	110.6	3	54.4
		4	56.2
TOTAL:	173.5		173.5

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black Cherry	Sawtimber	4.2	MBF	28.3	\$52,384.10
	Sugar Maple		18.7	MBF		
	Balsam Fir	Pulpwood	21	Cords		
	Mixed Aspen		8	Cords		
	B. T. Aspen		8	Cords		
	Mixed Hardwood		147	Cords		
	Beech		3	Cords		
	Black Cherry		27	Cords		
	Paper Birch		13	Cords		
	Red Maple		21	Cords		
	Sugar Maple		83	Cords		
	Red Pine		885	Cords		
2	Red Maple	Sawtimber	2.1	MBF	34.6	\$15,354.95
	Sugar Maple		3.6	MBF		
	Balsam Fir	Pulpwood	6	Cords		
	Mixed Hardwood		53	Cords		
	Beech		6	Cords		
	Black Cherry		3	Cords		
	Paper Birch		3	Cords		
	Red Maple		14	Cords		
	Sugar Maple		27	Cords		
	Red Pine		267	Cords		
3	Red Maple	Sawtimber	1.9	MBF	54.4	\$24,812.70
	Sugar Maple		0.4	MBF		
	Balsam Fir	Pulpwood	3	Cords		
	Mixed Aspen		7	Cords		
	B. T. Aspen		7	Cords		
	Mixed Hardwood		11	Cords		
	Red Maple		4	Cords		
	Sugar Maple		7	Cords		
	Red Pine		483	Cords		
4	Red Maple	Sawtimber	2.0	MBF	56.2	\$25,616.05
	Sugar Maple		0.5	MBF		, ,
	Balsam Fir	Pulpwood	3	Cords		
	Mixed Aspen		7	Cords		
	B. T. Aspen		7	Cords		
	Mixed Hardwood		12	Cords		
	Red Maple		4	Cords		
	Sugar Maple		8	Cords		
	Red Pine		498	Cords		
		TOTAL:	33.4	MBF		
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Sale Specific Conditions & Requirements

Sale Name: Westshore Red Pine 2 Sale Number: 41-008-22 Seg#: 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. 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 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

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

Within Payment Unit(s) 2-4, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.1.4 - Designated timber unit(s) (6/17)

Within Payment Unit(s) 1, all trees greater than 15 feet tall, both live and dead, are designated for cutting regardless of merchantability.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches DBH. 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) 2-4 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.

3.6 - Payment Unit Cutting Schedule

3.6.1 - Order of cutting (1/09)

Payment Unit 1 shall be cut first, unless approved by the Unit Manager or his/her representative.

4 - Transportation

4.1 - Construction

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)

Road construction 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 Stumps shall be set upright, not left on edge, and be moved at least 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 bull dozer 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, Payment Unit(s) 1 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.

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)

The snowmobile trail 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. The snowmobile trail may not be used for any timber sale operations from December 1 to March 31. All stumps within 20 feet of the snowmobile trail must be cut at ground level.

5.8 - Protection of Endangered Species

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

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

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

management activity from 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.

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.

Section Name: Sale Specific Current as of 12/15/2022 11:31:03AM

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TIMBER SALE INFORMATION

Old School Zoo (41-009-22)
T41N, R17W, SEC. 16; T41N, R17W, SEC. 28.
Schoolcraft County (Advertised Price \$7,853.45)

SALE NOTE: No new roads will be permitted in Payment Unit 3.

The county must be contacted prior to crossing or harvesting in the county road R-O-W. See Sale Spec 4.3.2 for additional information.

Within Payment Unit(s) 2, harvesting is not permitted during the period of April 15 to July 15 because of bark slippage.

A snowmobile trail 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.

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:

PRODUCTS & SPECIES	ESTIMATE	D UNITS*	ADVERTISED PRIC	
Sawtimber				
Red Maple	7.1	MBF	\$	93.00 / MBF
Sugar Maple	2.6	MBF	\$	291.00 / MBF
White Pine	4.7	MBF	\$	62.00 / MBF
Pulpwood				
Balsam Fir	11	Cords	\$	8.15 / Cord
Mixed Aspen	99	Cords	\$	19.00 / Cord
Mixed Hardwood	69	Cords	\$	12.70 / Cord
Paper Birch	10	Cords	\$	14.30 / Cord
Red Pine	33	Cords	\$	50.15 / Cord
White Pine	85	Cords	\$	17.65 / Cord

^{*} The total volume is statistically estimated within plus (+) or minus (-) 20.35 percent. There are an estimated 339 cords on this timber sale, plus or minus 69 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 \$393.00 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	21.0%
02	61.4%
03	8.2%
04	9.4%

- 4. If no cutting takes place, the 10% down payment will not be refunded.
- 5. Operations on the contract issued will terminate on 12/31/2025.

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		VOLUME			STATISTICAL RA	ANGE IN CORDS
TOTAL CUBIC FEET TOTAL CORDS		PERCENT ERROR	MINIMUM MAXIMUM			
26,793	339	20.35%	270	408		

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 II	N CORDS
VDU	TOTAL CUBIC FEET TOTAL CORDS		PERCENT ERROR	MINIMUM	MAXIMUM
1	4,509	57	78.74%	12	102
2	17,539	222	19.85%	178	266
3	2,173	28	277.44%	49	104
4	2,572	33	45.46%	18	47
TOTAL:	TOTAL: 26,793 339			159	519

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.

TOTAL:	45.1		45.1
4	4.9	4	4.9
3	4.1	3	4.1
2	30.4	2	30.4
1	5.7	1	5.7
VDU	VDU ACRES	PU	PU ACRES

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Sawtimber	7.1	MBF	5.7	\$1,646.75
	Sugar Maple		1.3	MBF		
	Mixed Aspen	Pulpwood	16	Cords		
	B. T. Aspen		16	Cords		
	Mixed Hardwood		17	Cords		
	Red Maple		9	Cords		
	Sugar Maple		8	Cords		
	White Pine		5	Cords		
2	White Pine	Sawtimber	4.7	MBF	30.4	\$4,820.55
	Balsam Fir	Pulpwood	11	Cords		
	Mixed Aspen	·	72	Cords		
	B. T. Aspen		63	Cords		
	Quaking Aspen		9	Cords		
	Mixed Hardwood		28	Cords		
	Red Maple		26	Cords		
	Sugar Maple		2	Cords		
	Red Pine		26	Cords		
	Red Pine	Sawtimber	6.3	MBF		
	Red Pine	Pulpwood	13	Cords		
	White Pine		80	Cords		
3	Mixed Aspen	Pulpwood	4	Cords	4.1	\$646.25
	B. T. Aspen	·	4	Cords		
	Mixed Hardwood		6	Cords		
	Red Maple		6	Cords		
	Paper Birch		10	Cords		
	Red Pine		7	Cords		
	Red Pine		7	Cords		
4	Sugar Maple	Sawtimber	1.3	MBF	4.9	\$739.90
	Mixed Aspen	Pulpwood	7	Cords		
	B. T. Aspen		7	Cords		
	Mixed Hardwood		18	Cords		
	Basswood		10	Cords		
	Red Maple		4	Cords		
	Sugar Maple		4	Cords		
		TOTAL:	14.4	MBF		
		TOTAL:	307	Cords		

Sale Specific Conditions & Requirements

Sale Name: Old School Zoo Sale Number: 41-009-22 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. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. The painted boundary line trees are not Included Timber and are to be protected 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) 4, cut all trees that are two (2) inches or more at DBH, except do not cut oak and hemlock.

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

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

2.1.7 - Leave tree marked unit(s) (6/14)

Within Payment Unit(s) 2 and 3, all trees which meet minimum piece specifications in 2.2 Utilization are designated for cutting, except do not cut oak, hemlock, and trees marked with green paint above and below stump height.

3 - Payments

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 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.

4.1.6 - Road construction (1/09)

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

4.1.7 - Road closure (10/11)

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

4.1.12 - No new roads (1/12)

No new roads will be permitted in Payment Unit 3. All operations are limited to existing roads. Skid trails only will be allowed.

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 bull dozer 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

4.3.2 - County R-O-W (12/06)

The county must be contacted prior to crossing or harvesting in the county road R-O-W. This applies to Payment Unit 4 and the Cooks School Road.

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

5.2.32 - 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)

The snowmobile trail is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. If the trail road is to be used for hauling during the snowmobile season, then a snow covered base must be left on the trail. Maintain a 20 foot wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 20 feet of the snowmobile trail must be cut at ground level.

5.4 - Soil Protection

5.4.7 - Rutting restriction, Riparian Management Zone (RMZ) (1/09)

Within the Riparian Management Zone (RMZ), which is defined as all of Payment Unit 3, operations are to cease immediately if equipment and weather conditions result in rutting of roads and skid trails which is 6 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

5.8.3 - 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

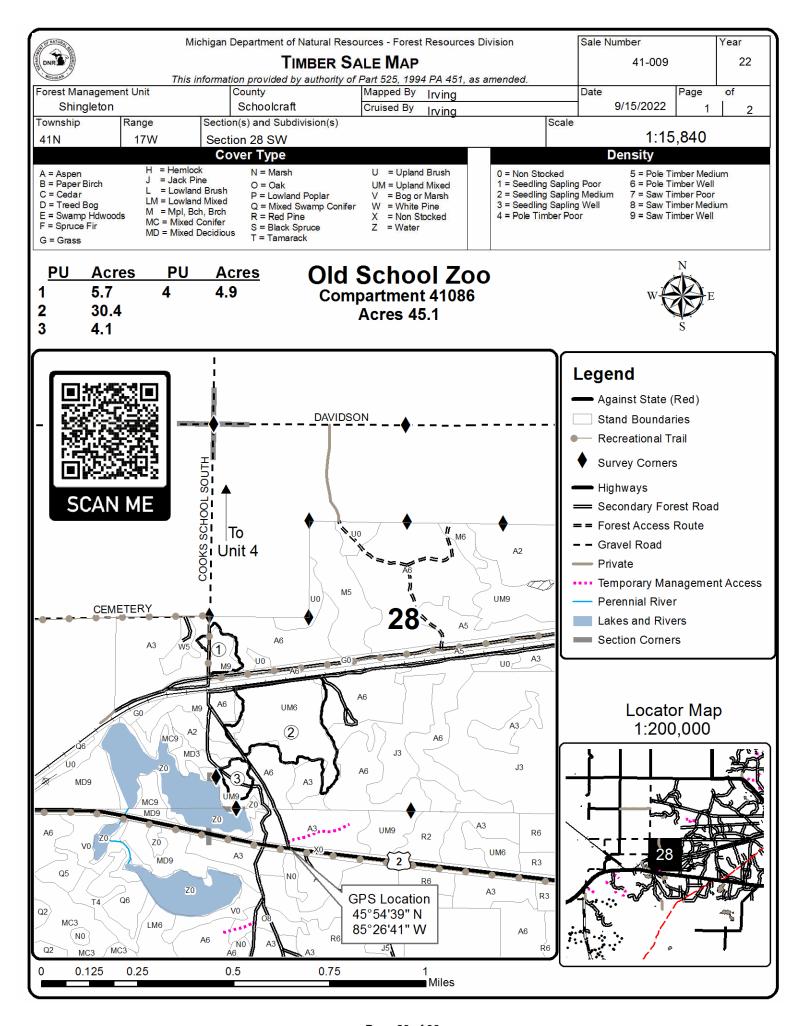
6.2.1 - Road posting (10/20)

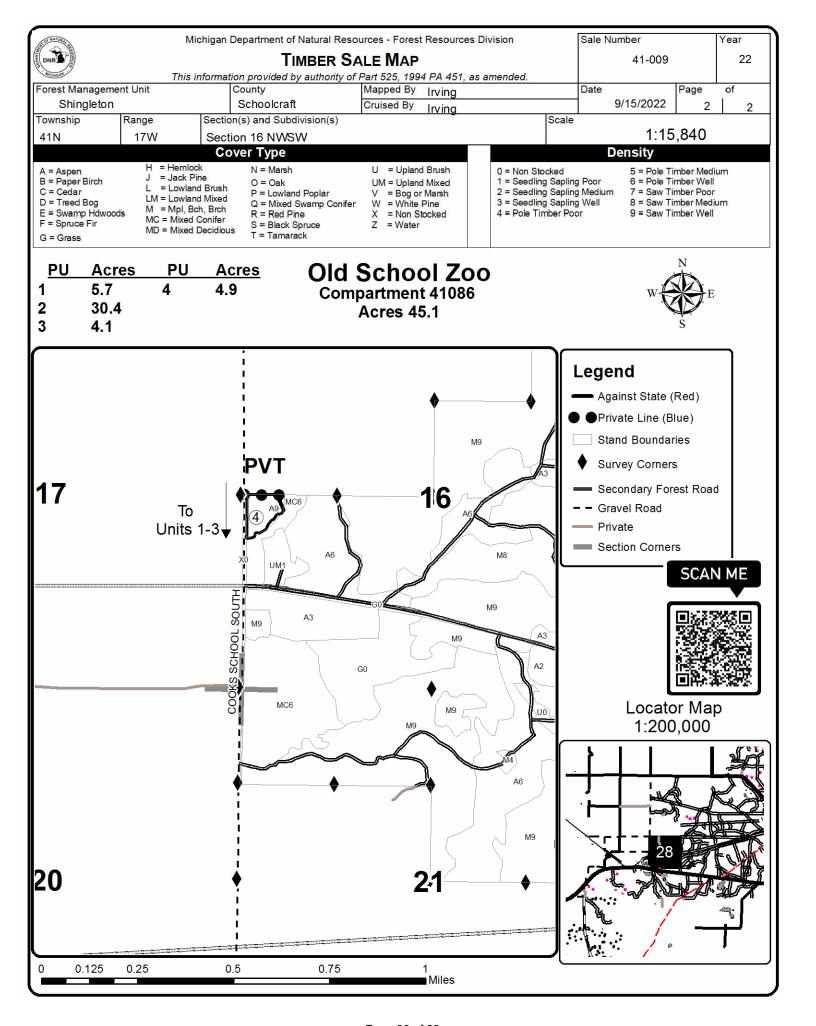
The Purchaser is responsible for posting and maintaining caution signs on Cooks School Road and US-2 prior to beginning operations. The road must be posted at appropriate distances from the sale area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

6.2.2 - Snowmobile trail posting (10/20)

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

Section Name: Sale Specific Current as of 12/15/2022 8:59:31AM





BID FORM

SHINGLETON MANAGEMENT UNIT SHINGLETON OFFICE

Hog Island (41-006-22)

T44N, R13W, SEC. 1; T44N, R13W, SEC. 13; T44N, R13W, SEC. 2; T44N, R13W,

In response to the notice of sale to be held 2:00 p.m. (local time) on January 25, 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.

PRODUCTS & SPECIES	ESTIMATED \	/OLUME*	ADVERTISED PRICE		BID PRICE/UNIT
Sawtimber					
Paper Birch	5.2	MBF	\$	101.00/MBF	\$
Red Maple	60.5	MBF	\$	93.00/MBF	\$
Sugar Maple	35.7	MBF	\$	291.00/MBF	\$
Pulpwood					
Balsam Fir	155	Cords	\$	8.15/Cord	\$
Mixed Aspen	1,323	Cords	\$	19.00/Cord	\$
Mixed Hardwood	716	Cords	\$	12.70/Cord	\$
N. White Cedar	90	Cords	\$	4.70/Cord	\$
Paper Birch	126	Cords	\$	14.30/Cord	\$
Tamarack	5	Cords	\$	2.05/Cord	\$
White Spruce	37	Cords	\$	15.35/Cord	\$

*The volumes are statistically estimated within plus (+) or minus (-) 17.04 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 SOC	CIAL SECURITY NUMBER	: <u></u>		
	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



Michigan Department of Natural Resources Forest Resources Division

TIMBER SALE **VERIFICATION OF WORKER'S DISABILITY** COMPENSATION ACT COMPLIANCE

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

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.			
Ple	lease Check Appropriate Categories:			
1.	 My business is organized as (you must check one of the A. ☐ Sole Proprietorship (individual) B. ☐ Partnership C. ☐ Corporation 	ne boxes below):		
2.	. You must check <u>one</u> of the boxes below:			
	A. I certify my business is a sole proprietorship and it has a Worker's Compensation Laws.	no employees but the sole proprietor. I am not subject to the		
	B. I certify my business has satisfied its o bligation to the V	Worker's Compensation Act through the use of an approved Notice of of the Notice of Exclusion within 21 days of the contract award. (For /orker's Compensation Bureau at 517-322-1195).		
	C. I certify my business has a Worker's Compensation Polone (21) days of the contract award.	licy. I will provide an original Certificate of Insurance within twenty-		
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		
Nam	ame of Business	Federal ID (or) Social Security No.		
Add	Idress	Telephone ()		
City	ty State	ZIP		
in fa _	factors affecting my coverage during any of my present ar	tt. I agree to notify the Michigan DNR of any changes that occur nd future operations.		
S	Signature of Owner or Authorized Representative			
T	Title	Date		

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

PR 4031-5 (Rev. 10/30/2012)

TIMBER SALE / SEALED BID STATE OF MICHIGAN / DNR

BID FORM

SHINGLETON MANAGEMENT UNIT SHINGLETON OFFICE

Westshore Red Pine 2 (41-008-22) T42N, R17W, SEC. 35; Schoolcraft COUNTY

In response to the notice of sale to be held 2:00 p.m. (local time) on January 25, 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.

BID PRICE/UNIT
\$
\$
\$
\$
\$
\$
\$

*The volumes are statistically estimated within plus (+) or minus (-) 16.20 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 SECU	IRITY 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



Michigan Department of Natural Resources Forest Resources Division

TIMBER SALE **VERIFICATION OF WORKER'S DISABILITY** COMPENSATION ACT COMPLIANCE

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

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.			
Ple	lease Check Appropriate Categories:			
1.	 My business is organized as (you must check one of the A. ☐ Sole Proprietorship (individual) B. ☐ Partnership C. ☐ Corporation 	ne boxes below):		
2.	. You must check <u>one</u> of the boxes below:			
	A. I certify my business is a sole proprietorship and it has a Worker's Compensation Laws.	no employees but the sole proprietor. I am not subject to the		
	B. I certify my business has satisfied its o bligation to the V	Worker's Compensation Act through the use of an approved Notice of of the Notice of Exclusion within 21 days of the contract award. (For /orker's Compensation Bureau at 517-322-1195).		
	C. I certify my business has a Worker's Compensation Polone (21) days of the contract award.	licy. I will provide an original Certificate of Insurance within twenty-		
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		
Nam	ame of Business	Federal ID (or) Social Security No.		
Add	Idress	Telephone ()		
City	ty State	ZIP		
in fa _	factors affecting my coverage during any of my present ar	tt. I agree to notify the Michigan DNR of any changes that occur nd future operations.		
S	Signature of Owner or Authorized Representative			
T	Title	Date		

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

PR 4031-5 (Rev. 10/30/2012)

FEDERAL ID:

BID FORM

SHINGLETON MANAGEMENT UNIT SHINGLETON OFFICE

Old School Zoo (41-009-22)

T41N, R17W, SEC. 16; T41N, R17W, SEC. 28; Schoolcraft COUNTY

In response to the notice of sale to be held 2:00 p.m. (local time) on January 25, 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.

PRODUCTS & SPECIES Sawtimber	ESTIMATED VOLUME*	ADVERTISED PRICE	BID PRICE/UNIT
Red Maple	7.1 MBF	\$ 93.00/MBF	\$
Sugar Maple	2.6 MBF	\$ 291.00/MBF	\$
White Pine	4.7 MBF	\$ 62.00/MBF	\$
Pulpwood			
Balsam Fir	11 Cords	\$ 8.15/Cord	\$
Mixed Aspen	99 Cords	\$ 19.00/Cord	\$
Mixed Hardwood	69 Cords	\$ 12.70/Cord	\$
Paper Birch	10 Cords	\$ 14.30/Cord	\$
Red Pine	33 Cords	\$ 50.15/Cord	\$
White Pine	85 Cords	\$ 17.65/Cord	\$

*The volumes are statistically estimated within plus (+) or minus (-) 20.35 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.

	Company or individual bidding:				
	Company representative's name:				
Address:					
	City:	State:	Zip:		
IF AVAILA	ABLE, PLEASE PLACE THE PERSO	NALIZED LABEL FRO	M YOUR PROSPECTUS IN T	HE ABOVE BOX.	
Individual	dividual or company representative's signature: Date:				
Phone nu	hone number : Email (optional):				

or SOCIAL SECURITY NUMBER:

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



Michigan Department of Natural Resources Forest Resources Division

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

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

Signature of Owner or Authorized Representative

Title

	Part 5 of Act 451 of 1994, as amended.				
VE	RIFICATION OF WORKER'S DISABILIT	Y COMPENSATION	ON 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 s	ignatures.		
Ple	ase 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 o bligation 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 En	nployees	Part-time Employees		
Name of Business F			Federal ID (or) Social Security No.		
Addr	ress		Telephone ()		
City		State	ZIP		
	reby certify that the above information is actors affecting my coverage during any c		I agree to notify the Michigan DNR of any changes that occur future operations.		

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

Date

PR 4031-5 (Rev. 10/30/2012)