



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7213**

SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on March 22, 2023.

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:

Sunken Lake Pine (41-002-22) / T47N, R14W, SEC. 16, E1/2NE.
T47N, R14W, SEC. 21, S1/2NW,S1/2NE,NWSW,S1/2SW,SE.
T47N, R14W, SEC. 28, NW,SWNE,N1/2SW,SESW.
T47N, R14W, SEC. 33, E1/2NW.

Schoolcraft County, Advertised Price \$142,215.55, 391.5 Acres, White Pine, Red Pine.

SALE NOTE: Road work is required. See Sale Spec. 4.1.8.

Permission for access across private land to access Payment Units 1 - 3 is the responsibility of the Purchaser.

The Sunken Lake Road 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 private land.

Kinder Gentler Pine (41-020-22) / T46N, R14W, SEC. 1 , NW,NE,SWSW.
T46N, R14W, SEC. 11, NWNE.
T46N, R14W, SEC. 2 , NENE,S1/2NE,NWSW,S1/2SW,SE.
T46N, R14W, SEC. 3 , SE.

Schoolcraft County, Advertised Price \$136,586.55, 408.2 Acres, Red Pine, White Pine.

SALE NOTE: Roads may require the installation of culverts for cross drainage or at natural drainage-ways. See Sale Spec. 4.1.5 for details.

Road work is required. See Sale Spec. 4.1.8.

The Sunken Lake Road 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.

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 March 22, 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.

SHANNON LOTT, Acting
Director

TIMBER SALE INFORMATION

Sunken Lake Pine (41-002-22)

T47N, R14W, SEC. 16; T47N, R14W, SEC. 21; T47N, R14W, SEC. 28; T47N, R14W, SEC. 33.
Schoolcraft County (Advertised Price \$142,215.55)

SALE NOTE: Road work is required. See Sale Spec. 4.1.8.

Permission for access across private land to access Payment Units 1 - 3 is the responsibility of the Purchaser.

The Sunken Lake Road 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 private land.

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

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Black Cherry	14.0 MBF	\$ 108.00 / MBF
Red Maple	51.2 MBF	\$ 106.00 / MBF
Sugar Maple	22.0 MBF	\$ 344.00 / MBF
Pulpwood		
Balsam Fir	83 Cords	\$ 10.45 / Cord
Black Spruce	140 Cords	\$ 18.10 / Cord
Jack Pine	276 Cords	\$ 26.35 / Cord
Mixed Hardwood	529 Cords	\$ 14.90 / Cord
Paper Birch	7 Cords	\$ 16.80 / Cord
Quaking Aspen	50 Cords	\$ 24.25 / Cord
Red Pine	1,187 Cords	\$ 63.95 / Cord
White Pine	1,519 Cords	\$ 20.95 / Cord
White Spruce	5 Cords	\$ 18.10 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 11.02 percent. There are an estimated 3,943 cords on this timber sale, plus or minus 435 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 \$7,111.00 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	3.9%
02	5.4%
03	7.1%
04	22.3%
05	17.0%
06	3.8%
07	2.0%
08	3.8%
09	6.2%
10	4.4%
11	2.8%
12	7.2%
13	7.0%
14	5.1%
15	2.0%

4. If no cutting takes place, the 10% down payment will not be refunded.

5. Operations on the contract issued will terminate on 06/30/2026.

SALE STATISTICS

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

SALE VOLUMES

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

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
311,478	3,943	11.02%	3,508	4,377

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	109,689	1,388	15.88%	1,168	1,609
2	132,749	1,680	15.30%	1,423	1,938
3	69,039	874	13.57%	755	992
TOTAL:	311,478	3,943		3,347	4,539

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	223.9	6	19.0		
		7	10.2		
		8	19.3		
		9	31.5		
		10	22.0		
		11	14.3		
		12	36.5		
		13	35.0		
		14	25.9		
		15	10.2		
		2	87.5	4	49.4
				5	38.1
		3	80.1	1	19.0
				2	26.5
				3	34.6
TOTAL:	391.5		391.5		

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black Cherry	Sawtimber	3.3	MBF	19.0	\$5,532.95
	Red Maple		11.5	MBF		
	Sugar Maple		5.2	MBF		
	Balsam Fir	Pulpwood	19	Cords		
	Black Spruce		29	Cords		
	Mixed Hardwood		97	Cords		
	<i>Beech</i>		1	<i>Cords</i>		
	<i>Black Cherry</i>		9	<i>Cords</i>		
	<i>Red Maple</i>		64	<i>Cords</i>		
	<i>Sugar Maple</i>		23	<i>Cords</i>		
2	Black Cherry	Sawtimber	4.6	MBF	26.5	\$7,714.40
	Red Maple		16.0	MBF		
	Sugar Maple		7.3	MBF		
	Balsam Fir	Pulpwood	26	Cords		
	Black Spruce		41	Cords		
	Mixed Hardwood		134	Cords		
	<i>Beech</i>		1	<i>Cords</i>		
	<i>Black Cherry</i>		12	<i>Cords</i>		
	<i>Red Maple</i>		89	<i>Cords</i>		
	<i>Sugar Maple</i>		32	<i>Cords</i>		
3	Black Cherry	Sawtimber	6.1	MBF	34.6	\$10,115.30
	Red Maple		21.1	MBF		
	Sugar Maple		9.5	MBF		
	Balsam Fir	Pulpwood	34	Cords		
	Black Spruce		53	Cords		
	Mixed Hardwood		177	Cords		
	<i>Beech</i>		1	<i>Cords</i>		
	<i>Black Cherry</i>		17	<i>Cords</i>		
	<i>Red Maple</i>		117	<i>Cords</i>		
	<i>Sugar Maple</i>		42	<i>Cords</i>		
4	Jack Pine	Pulpwood	2	Cords	49.4	\$31,507.65
	Mixed Hardwood		17	Cords		
	<i>Black Cherry</i>		3	<i>Cords</i>		
	<i>Red Maple</i>		14	<i>Cords</i>		
	Paper Birch		4	Cords		
	Quaking Aspen		23	Cords		
	Red Pine		246	Cords		
	White Pine		706	Cords		
	White Spruce		3	Cords		
	5	Jack Pine	Pulpwood	1		
Mixed Hardwood			13	Cords		
<i>Black Cherry</i>			3	<i>Cords</i>		
<i>Red Maple</i>			10	<i>Cords</i>		
Paper Birch			3	Cords		
Quaking Aspen			17	Cords		
Red Pine			190	Cords		
White Pine			543	Cords		
White Spruce			2	Cords		
6	Red Maple	Sawtimber	0.2	MBF	19.0	\$5,348.55
	Black Spruce	Pulpwood	1	Cords		
	Jack Pine		23	Cords		
	Mixed Hardwood		7	Cords		
	<i>Red Maple</i>		7	<i>Cords</i>		
	Quaking Aspen		1	Cords		
	Red Pine		64	Cords		
	White Pine		23	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
7	Red Maple	Sawtimber	0.1	MBF	10.2	\$2,830.20
	Black Spruce	Pulpwood	1	Cords		
	Jack Pine		12	Cords		
	Mixed Hardwood		4	Cords		
	<i>Red Maple</i>		4	<i>Cords</i>		
	Red Pine		34	Cords		
	White Pine		12	Cords		
8	Red Maple	Sawtimber	0.2	MBF	19.3	\$5,453.75
	Black Spruce	Pulpwood	1	Cords		
	Jack Pine		24	Cords		
	Mixed Hardwood		8	Cords		
	<i>Red Maple</i>		8	<i>Cords</i>		
	Quaking Aspen		1	Cords		
	Red Pine		65	Cords		
	White Pine		23	Cords		
9	Red Maple	Sawtimber	0.4	MBF	31.5	\$8,883.10
	Balsam Fir	Pulpwood	1	Cords		
	Black Spruce		2	Cords		
	Jack Pine		38	Cords		
	Mixed Hardwood		13	Cords		
	<i>Black Cherry</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		12	<i>Cords</i>		
	Quaking Aspen		1	Cords		
	Red Pine		106	Cords		
White Pine		38	Cords			
10	Red Maple	Sawtimber	0.3	MBF	22.0	\$6,235.75
	Black Spruce	Pulpwood	2	Cords		
	Jack Pine		27	Cords		
	Mixed Hardwood		9	Cords		
	<i>Red Maple</i>		9	<i>Cords</i>		
	Quaking Aspen		1	Cords		
	Red Pine		74	Cords		
	White Pine		27	Cords		
11	Red Maple	Sawtimber	0.2	MBF	14.3	\$4,026.65
	Black Spruce	Pulpwood	1	Cords		
	Jack Pine		17	Cords		
	Mixed Hardwood		6	Cords		
	<i>Red Maple</i>		6	<i>Cords</i>		
	Quaking Aspen		1	Cords		
	Red Pine		48	Cords		
	White Pine		17	Cords		
12	Red Maple	Sawtimber	0.4	MBF	36.5	\$10,288.60
	Balsam Fir	Pulpwood	1	Cords		
	Black Spruce		3	Cords		
	Jack Pine		45	Cords		
	Mixed Hardwood		15	Cords		
	<i>Black Cherry</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		14	<i>Cords</i>		
	Quaking Aspen		2	Cords		
	Red Pine		122	Cords		
	White Pine		44	Cords		
13	Red Maple	Sawtimber	0.4	MBF	35.0	\$9,895.20
	Balsam Fir	Pulpwood	1	Cords		
	Black Spruce		3	Cords		
	Jack Pine		43	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
13 con't	Mixed Hardwood	Pulpwood	15	Cords			
	<i>Black Cherry</i>		1	<i>Cords</i>			
	<i>Red Maple</i>		14	<i>Cords</i>			
	Quaking Aspen		2	Cords			
	Red Pine		117	Cords			
	White Pine		43	Cords			
14	Red Maple	Sawtimber	0.3	MBF	25.9	\$7,308.00	
	Balsam Fir	Pulpwood	1	Cords			
	Black Spruce		2	Cords			
	Jack Pine		32	Cords			
	Mixed Hardwood		10	Cords			
	<i>Red Maple</i>		10	<i>Cords</i>			
	Quaking Aspen		1	Cords			
	Red Pine		87	Cords			
	White Pine		31	Cords			
15	Red Maple		Sawtimber	0.1	MBF	10.2	\$2,830.20
	Black Spruce	Pulpwood	1	Cords			
	Jack Pine		12	Cords			
	Mixed Hardwood		4	Cords			
	<i>Red Maple</i>		4	<i>Cords</i>			
	Red Pine		34	Cords			
	White Pine		12	Cords			
	TOTAL:			87.2	MBF		
TOTAL:			3,796	Cords			

Sale Specific Conditions & Requirements

Sale Name: Sunken Lake Pine

Sale Number: 41-002-22 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

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

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1 - 3 and 6, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within Payment Units 1 - 3, cut all spruce and fir.

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

Within Payment Unit(s) 7 - 15, all trees are designated for cutting, except do not cut red pine and oak. In addition, red pine marked with orange paint are designated for cutting.

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

Within Payment Unit(s) 4 and 5, all trees which meet minimum piece specifications in 2.2 Utilization are designated for cutting, except do not cut white pine less than 8 inches at DBH, or any trees marked with green paint above and below stump height.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within Unit(s) 6 - 15 shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches DBH.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) with a value over \$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

3.4.1 - Damaged timber (7/16)

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

Within the sale area, if more than 25% of the tree seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the sale area are damaged, liquidated damages will be assessed at \$1000 per acre for all acreage within that specified portion of the sale area that was damaged.

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.

4.1.8 - Road work (1) (8/07)

The following road work is required: 500 cubic yards of breaker run gravel (3" minus) must be purchased, hauled and spread on the Sunken Lake Road between M-77 and the Sale area. All work is at the Purchaser's expense. Exact locations will be determined at the Pre-Sale meeting and all work must be complete before hauling begins.

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.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land to access Payment Units 1 - 3 is the responsibility of the Purchaser.

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

5.2.3.6 - 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)

The Sunken Lake Road 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. It must be maintained and restored to a condition equal to or better than before the sale. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1st. If the trail is used during the snowmobile season a snow covered base must be left on the trail. 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.

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

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the Sunken Lake Road 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.



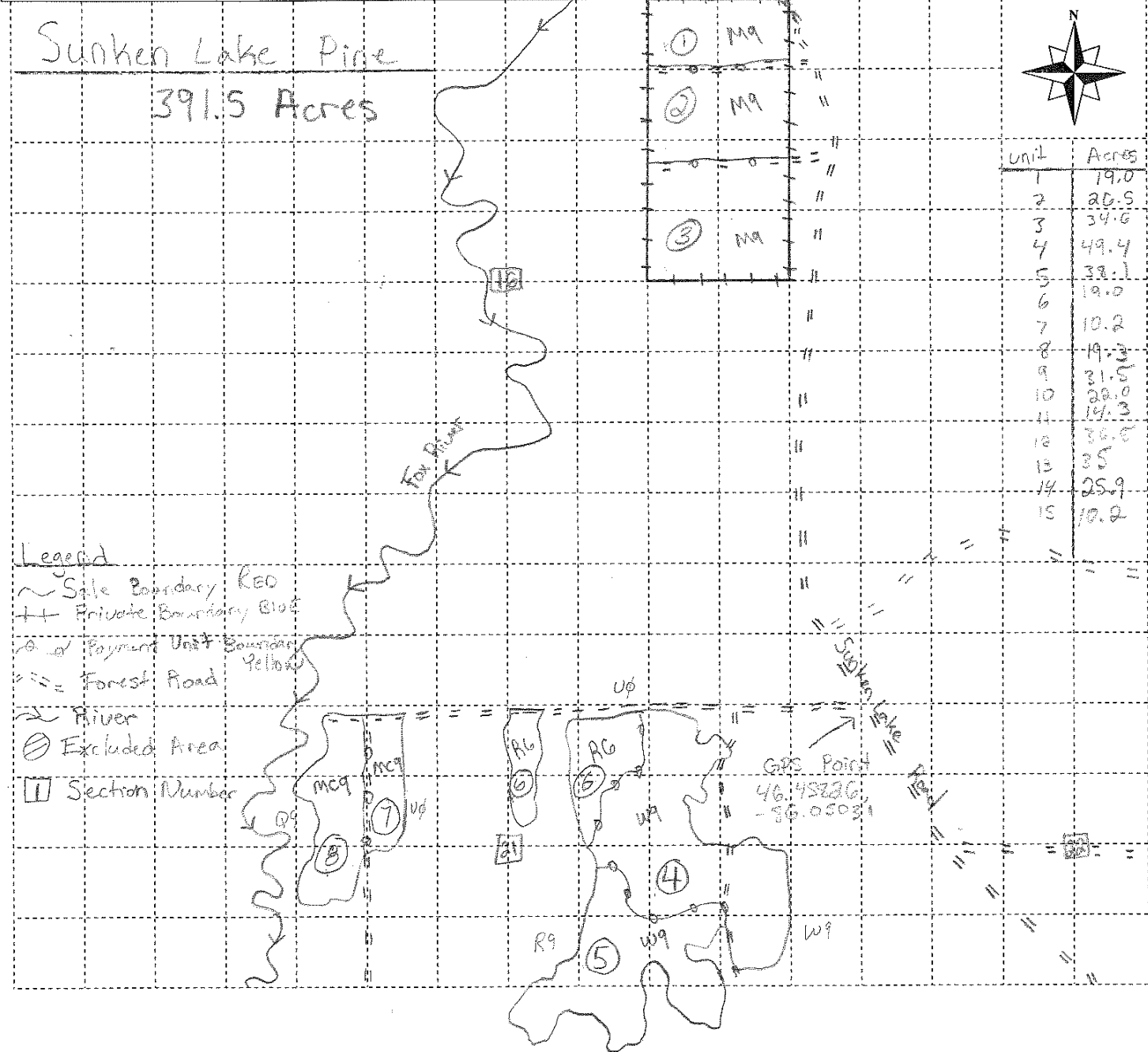
TIMBER SALE MAP

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

Sale Number	Year
41-002-22	2022

Forest Management Unit Shingleton	County Schoolcraft	Mapped By Kyle Gould	Date 8/29/2022	Page 1	of 2
Compartment Number 41128	Township 47N	Range 14W	Section(s) and Subdivision(s) 16 E1/2NE 21 - S1/2NW,S1/2NE,NWSW,S1/2SW,SE 28 - NW,SWNE N1/2SW,SESW 33 - E1/2NW	Scale: = 1 mile	

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





TIMBER SALE MAP

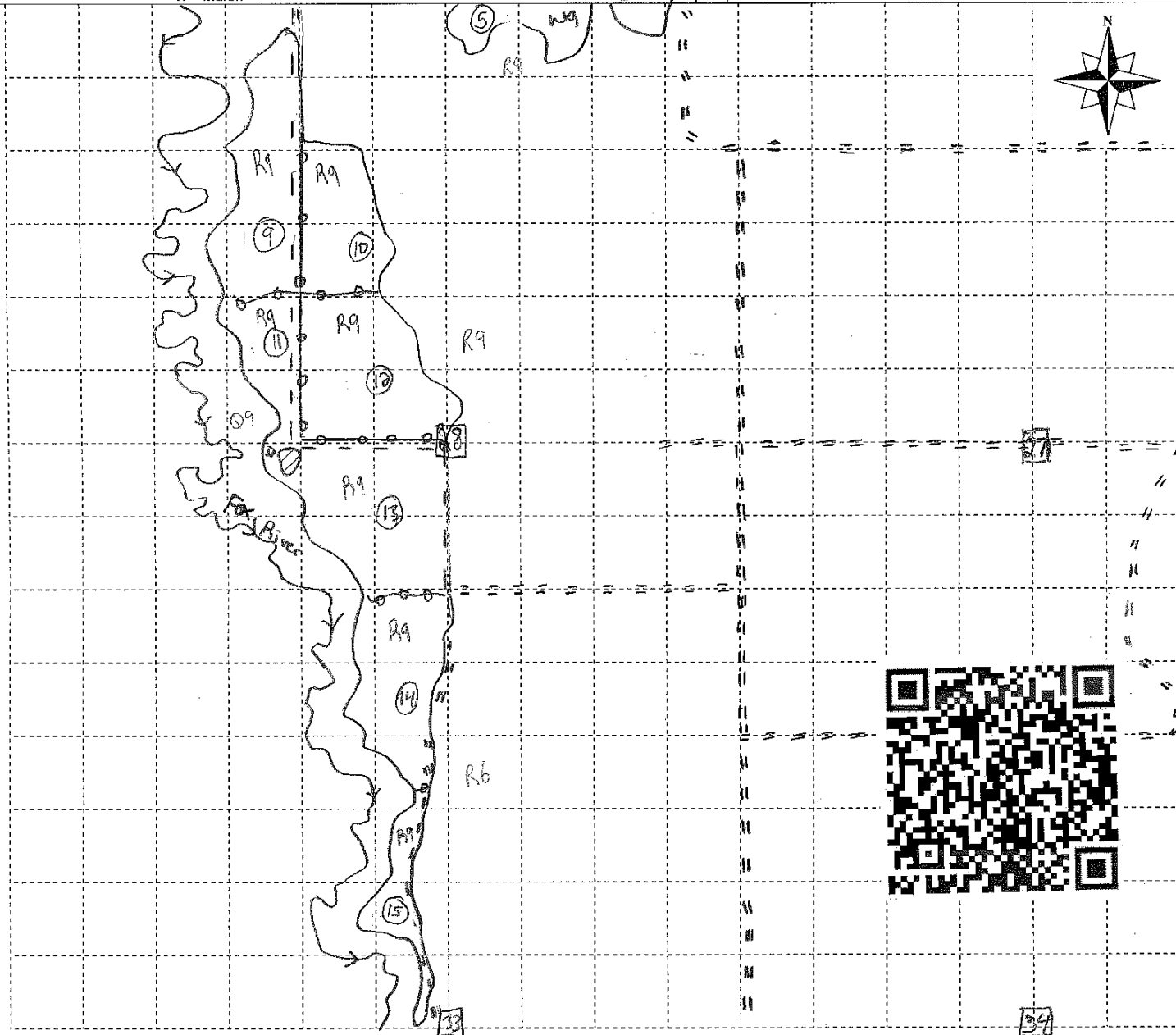
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Sale Number	Year
41-002-22	2022

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Cover Type				Density	
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
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G = Grass	MC = Mixed Conifer		Z = Water		
H = Hemlock	MD = Mixed Deciduous				
	N = Marsh				



TIMBER SALE INFORMATION

Kinder Gentler Pine (41-020-22)

T46N, R14W, SEC. 1; T46N, R14W, SEC. 11; T46N, R14W, SEC. 2; T46N, R14W, SEC. 3.
Schoolcraft County (Advertised Price \$136,586.55)

SALE NOTE: Roads may require the installation of culverts for cross drainage or at natural drainage-ways. See Sale Spec. 4.1.5 for details.

Road work is required. See Sale Spec. 4.1.8.

The Sunken Lake Road 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.

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>
Pulpwood		
Balsam Fir	12 Cords	\$ 10.45 / Cord
Black Spruce	539 Cords	\$ 18.10 / Cord
Jack Pine	531 Cords	\$ 26.35 / Cord
Paper Birch	20 Cords	\$ 16.80 / Cord
Quaking Aspen	154 Cords	\$ 24.25 / Cord
Red Maple	100 Cords	\$ 14.90 / Cord
Red Oak	7 Cords	\$ 25.30 / Cord
Red Pine	1,414 Cords	\$ 63.95 / Cord
White Pine	790 Cords	\$ 20.95 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 9.82 percent. There are an estimated 3,448 cords on this timber sale, plus or minus 339 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 \$6,829.00 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	9.3%
02	5.5%
03	6.8%
04	7.0%
05	7.3%
06	2.0%
07	1.3%
08	3.1%
09	2.6%
10	1.5%
11	8.5%
12	10.5%
13	26.3%
14	7.2%
15	1.1%

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.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
272,399	3,448	9.82%	3,109	3,787

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
3	13,805	175	37.40%	109	240
4	57,838	732	21.64%	574	891
24	40,539	513	22.29%	399	628
31	8,040	102	65.46%	35	168
41	8,779	111	61.12%	43	179
50	73,703	933	20.76%	739	1,127
69	23,987	304	25.32%	227	381
89	4,333	55	60.84%	21	88
98	15,152	192	36.76%	121	262
114	7,153	91	61.04%	35	146
117	19,069	241	31.47%	165	317
TOTAL:	272,399	3,448		2,470	4,426

VDU TO PAYMENT UNIT

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

VDU	VDU ACRES	PU	PU ACRES
3	14.2	14	14.2
4	74.9	13	74.9
24	34.9	11	15.6
		12	19.3
31	12.4	6	12.4
41	9.2	10	9.2
50	164.8	2	34.0
		3	42.2
		4	43.5
		5	45.1
69	35.7	1	35.7
89	22.5	15	22.5
98	13.7	9	13.7
114	8.8	7	8.8
117	17.1	8	17.1
TOTAL:	408.2		408.2

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Jack Pine Paper Birch Red Pine White Pine	Pulpwood	11 5 140 160	Cords Cords Cords Cords	35.7	\$12,678.85
2	Jack Pine Paper Birch Quaking Aspen Red Maple Red Pine White Pine	Pulpwood	84 1 31 1 66 14	Cords Cords Cords Cords Cords Cords	34.0	\$7,510.85
3	Jack Pine Paper Birch Quaking Aspen Red Maple Red Pine White Pine	Pulpwood	105 2 38 2 81 17	Cords Cords Cords Cords Cords Cords	42.2	\$9,287.75
4	Jack Pine Paper Birch Quaking Aspen Red Maple Red Pine White Pine	Pulpwood	108 2 39 2 84 18	Cords Cords Cords Cords Cords Cords	43.5	\$9,603.85
5	Jack Pine Paper Birch Quaking Aspen Red Maple Red Pine White Pine	Pulpwood	112 2 40 2 87 18	Cords Cords Cords Cords Cords Cords	45.1	\$9,925.35
6	Jack Pine Red Pine White Pine	Pulpwood	31 10 60	Cords Cords Cords	12.4	\$2,713.35
7	Black Spruce Paper Birch Red Maple White Pine	Pulpwood	74 1 6 17	Cords Cords Cords Cords	8.8	\$1,801.75
8	Balsam Fir Black Spruce Jack Pine Quaking Aspen Red Maple White Pine	Pulpwood	2 204 8 4 11 4	Cords Cords Cords Cords Cords Cords	17.1	\$4,268.80
9	Balsam Fir Black Spruce Paper Birch Red Maple White Pine	Pulpwood	9 129 5 40 24	Cords Cords Cords Cords Cords	13.7	\$3,611.75
10	Black Spruce	Pulpwood	111	Cords	9.2	\$2,009.10
11	Black Spruce Jack Pine Quaking Aspen Red Maple Red Pine White Pine	Pulpwood	3 2 1 3 150 89	Cords Cords Cords Cords Cords Cords	15.6	\$11,633.00
12	Black Spruce Jack Pine	Pulpwood	4 2	Cords Cords	19.3	\$14,372.30

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
12 con't	Quaking Aspen	Pulpwood	1	Cords		
	Red Maple		3	Cords		
	Red Pine		186	Cords		
	White Pine		109	Cords		
13	Black Spruce	Pulpwood	14	Cords	74.9	\$35,837.55
	Jack Pine		65	Cords		
	Paper Birch		2	Cords		
	Red Maple		15	Cords		
	Red Oak		7	Cords		
	Red Pine		458	Cords		
	White Pine		198	Cords		
14	Red Pine	Pulpwood	147	Cords	14.2	\$9,882.50
	White Pine		23	Cords		
15	Balsam Fir	Pulpwood	1	Cords	22.5	\$1,449.80
	Jack Pine		3	Cords		
	Red Maple		15	Cords		
	Red Pine		5	Cords		
	White Pine		39	Cords		
TOTAL:			3,567	Cords		

Sale Specific Conditions & Requirements

Sale Name: Kinder Gentler Pine

Sale Number: 41-020-22 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) 13 and 15, cut all trees that are two (2) inches or more at DBH.

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

Within Payment Unit(s) 7-10, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut hemlock and cedar. In addition, within Payment Unit 8, do not cut red pine. Also, within Payment Unit 10, do not cut white pine.

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

Within Payment Unit(s) 2-6 and 14, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within Payment Units 2-6, cut all jack pine and aspen.

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

Within Payment Unit(s) 1, 11, and 12, all trees which meet minimum piece specifications in 2.2 Utilization are designated for cutting, except do not cut oak, hemlock, cedar, and any trees marked with green paint above and below stump height. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within Payment Unit(s) 2 - 6 and 13 - 15 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) that are \$15,000 in value or greater 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 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.

4.1.5 - Culverts (5/14)

Roads may require the installation of culverts for cross drainage or at natural drainage-ways. If culverts are needed in these locations, their placement will be specified by the sale administrator and they shall be installed prior to hauling. The culverts shall be new, corrugated metal. Culverts will be a minimum of 18 inches in diameter and 24 feet in length. If culverts are removed, fill shall be removed from wetland soils as specified. Soils shall be maintained and left in a non-erodible condition, with water bars, seed, fertilizer, mulch, and slash installed as directed by the sale administrator and as specified in the BMP manual. Stream crossing permits, if needed, will be obtained by the DNR.

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.

4.1.8 - Road work (1) (8/07)

The following road work is required: 400 cubic yards of 3" minus or "breaker run" gravel must be purchased, hauled and spread on the Hudson Creek Road and the access road into Payment Unit 8. This work must be completed before any harvest work can be done on the sale. Contact the sale administrator for the exact placement and location of road work.

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.

4.4 - Access

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

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

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation, Payment Unit(s) 13 and 15 shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. Stumps shall be cut low to the ground. Processing sites shall not be left

with a compacted layer of slash; tops from these sites shall be hauled back into the cut area and scattered.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

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

5.2.3 - 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.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 7 - 12, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is the potential of 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.

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 Sunken Lake Road is a snowmobile trail and is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. If the trail 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.

5.8 - 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

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on snowmobile trail 440 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.

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.



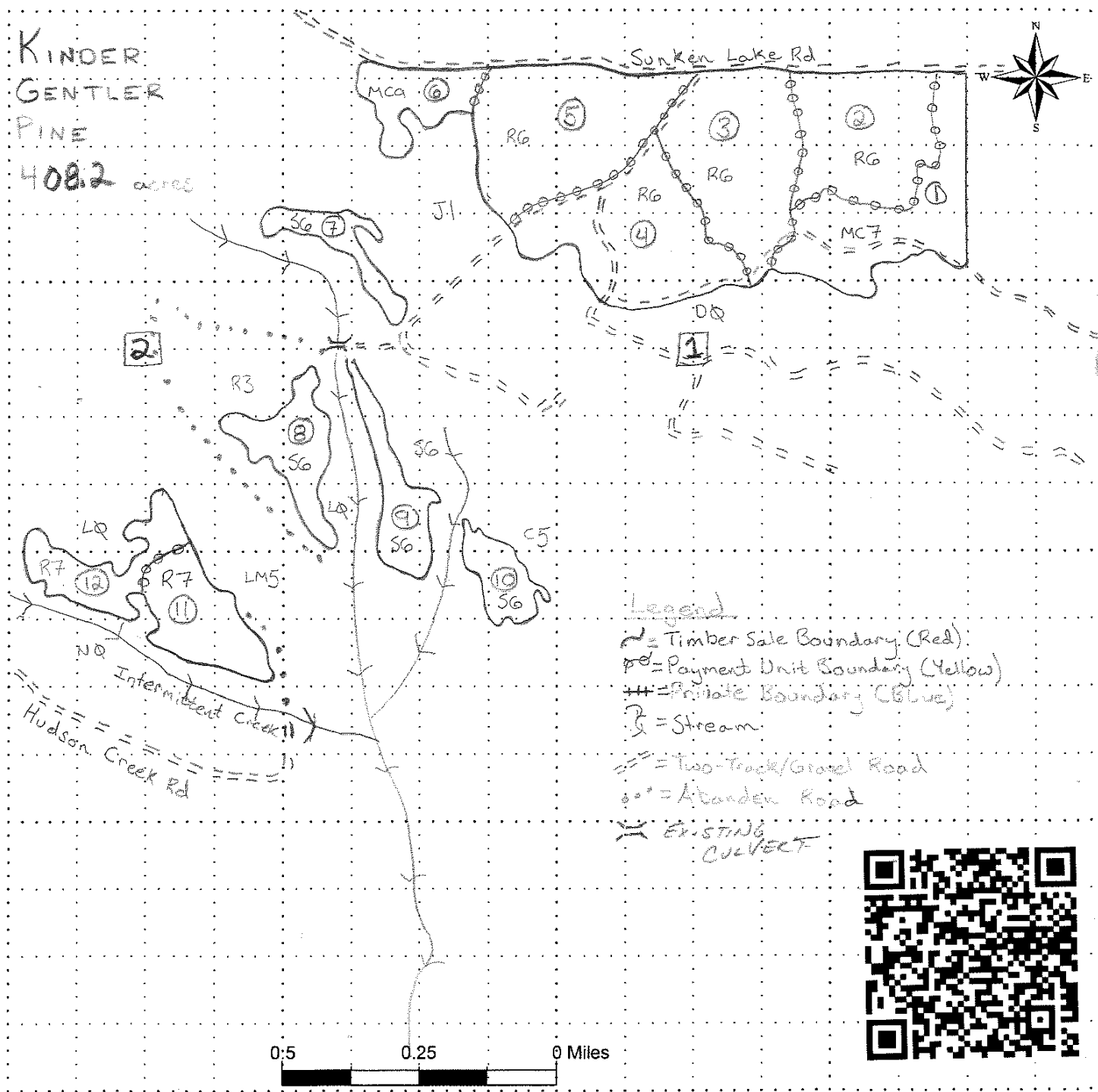
TIMBER SALE MAP

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

Sale Number	Year
41-020	22

Forest Management Unit Shingleton	County Schoolcraft	Mapped By Gould / Kentner	Date 9/21/22	Page 1	of 2
Compartment Number 124	Township 46N	Cruised By Shingleton Unit	Range 14W	Section(s) and Subdivision(s) 1,2,3,11	

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





TIMBER SALE MAP

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

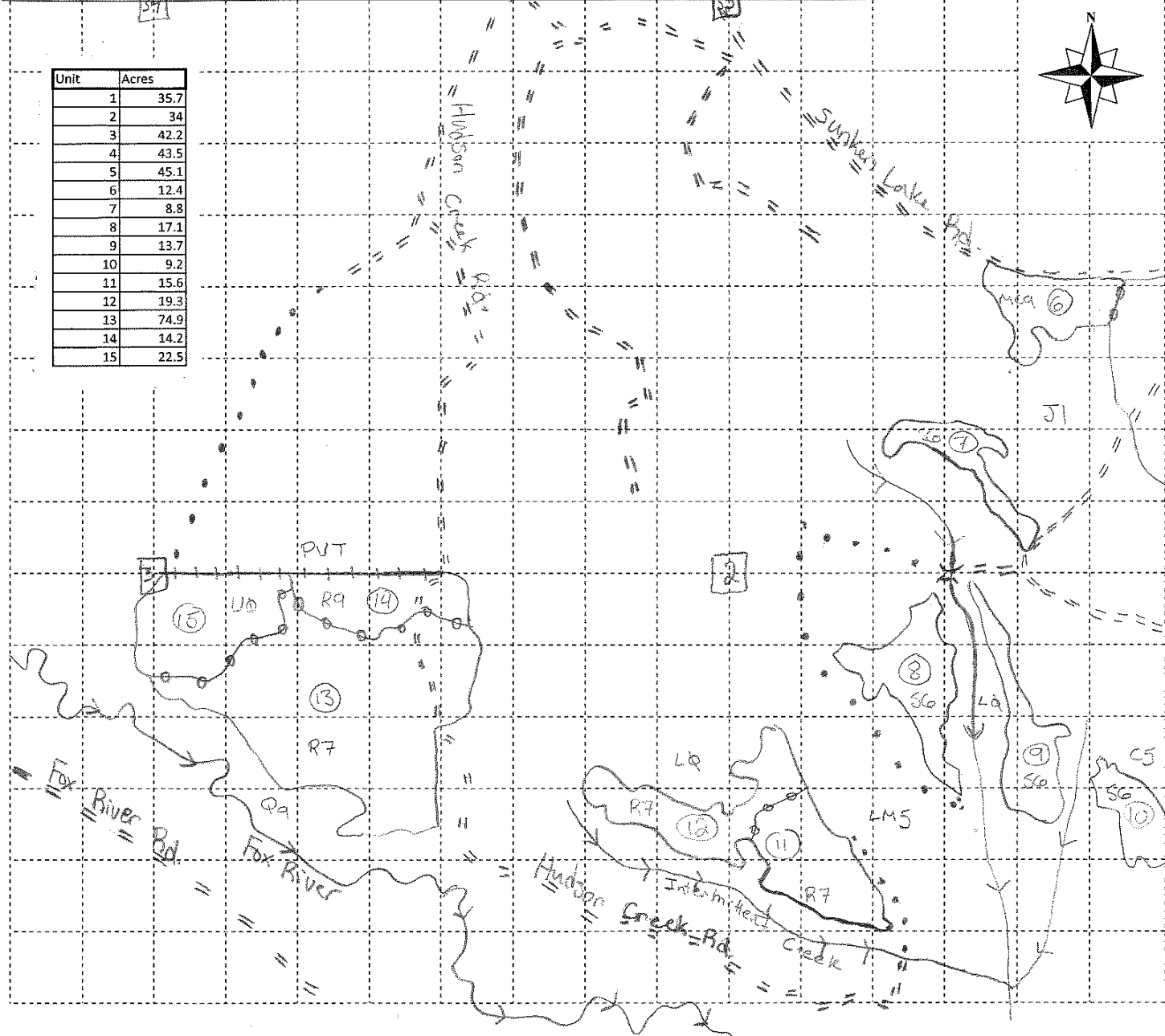
Sale Number	Year
41-020	22

Forest Management Unit <i>Shingleton</i>	County <i>Schoolcraft</i>	Mapped By <i>Gould/Kentner</i>	Date <i>9/21/22</i>	Page <i>2</i>	of <i>2</i>
Compartment Number <i>124</i>	Township <i>46N</i>	Range <i>14W</i>	Section(s) and Subdivision(s) <i>1, 2, 3, 11</i>	Scale: [... 200 ...] = 1 mile	

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

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

Unit	Acres
1	35.7
2	34
3	42.2
4	43.5
5	45.1
6	12.4
7	8.8
8	17.1
9	13.7
10	9.2
11	15.6
12	19.3
13	74.9
14	14.2
15	22.5



Sunken Lake Pine (41-002-22)
T47N, R14W, SEC. 16; T47N, R14W, SEC. 21; T47N, R14W, SEC. 28; T47N,

In response to the notice of sale to be held 2:00 p.m. (local time) on March 22, 2023, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Black Cherry	14.0 MBF	\$ 108.00/MBF	\$ _____
Red Maple	51.2 MBF	\$ 106.00/MBF	\$ _____
Sugar Maple	22.0 MBF	\$ 344.00/MBF	\$ _____
Pulpwood			
Balsam Fir	83 Cords	\$ 10.45/Cord	\$ _____
Black Spruce	140 Cords	\$ 18.10/Cord	\$ _____
Jack Pine	276 Cords	\$ 26.35/Cord	\$ _____
Mixed Hardwood	529 Cords	\$ 14.90/Cord	\$ _____
Paper Birch	7 Cords	\$ 16.80/Cord	\$ _____
Quaking Aspen	50 Cords	\$ 24.25/Cord	\$ _____
Red Pine	1,187 Cords	\$ 63.95/Cord	\$ _____
White Pine	1,519 Cords	\$ 20.95/Cord	\$ _____
White Spruce	5 Cords	\$ 18.10/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 11.02 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

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

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

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

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

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

Phone number : _____ Email (optional): _____

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



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

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

Please Check Appropriate Categories:

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

_____ Full-time Employees

_____ Part-time Employees

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

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

Signature of Owner or Authorized Representative

Title

Date

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

Kinder Gentler Pine (41-020-22)

T46N, R14W, SEC. 1; T46N, R14W, SEC. 11; T46N, R14W, SEC. 2; T46N, R14W,

In response to the notice of sale to be held 2:00 p.m. (local time) on March 22, 2023, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Pulpwood			
Balsam Fir	12 Cords	\$ 10.45/Cord	\$ _____
Black Spruce	539 Cords	\$ 18.10/Cord	\$ _____
Jack Pine	531 Cords	\$ 26.35/Cord	\$ _____
Paper Birch	20 Cords	\$ 16.80/Cord	\$ _____
Quaking Aspen	154 Cords	\$ 24.25/Cord	\$ _____
Red Maple	100 Cords	\$ 14.90/Cord	\$ _____
Red Oak	7 Cords	\$ 25.30/Cord	\$ _____
Red Pine	1,414 Cords	\$ 63.95/Cord	\$ _____
White Pine	790 Cords	\$ 20.95/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 9.82 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

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

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

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

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

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

Phone number : _____ Email (optional): _____

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



TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

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

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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

Please Check Appropriate Categories:

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

_____ Full-time Employees

_____ Part-time Employees

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

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

Signature of Owner or Authorized Representative

Title

Date

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