



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7168**

SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on January 9, 2023.

LOCATION: **GWINN MGMT UNIT, 410 WEST M 35, GWINN, MI 49841.**

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

Upland Lowland (32-011-22) / T44N, R26W, SEC. 4 , N1/2NW,NWNE.

T44N, R26W, SEC. 5 , NENE.

T45N, R26W, SEC. 28, SESE.

T45N, R26W, SEC. 32, E1/2SE.

T45N, R26W, SEC. 33, NW,NE,SW,SWSE.

T45N, R26W, SEC. 34, NWNW.

Marquette County, Advertised Price \$203,882.00, 440.0 Acres, Spruce/Fir/Tamarack, Red Pine.

SALE NOTE: Access is through state forest land.

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.

Crooked Oak (32-020-22) / T45N, R26W, SEC. 16, S1/2SW.

T45N, R26W, SEC. 17, SESE.

T45N, R26W, SEC. 21, N1/2NW,SENE,N1/2NE,E1/2SW,NWSE.

T45N, R26W, SEC. 22, N1/2NW,SENE,SWNE,NESW,NWSE.

T45N, R26W, SEC. 27, W1/2SW.

T45N, R26W, SEC. 28, NESW,N1/2SE,SESE.

Marquette County, Advertised Price \$127,391.05, 293.9 Acres, Aspen, Hardwood.

SALE NOTE: The Bass Lake Motorcycle Trail crosses through multiple Payment Units across the sale area . See specs 5.2.39 and 6.2.3 for special instructions regarding trail protection and safety. Fill material may need to be added on some forest access roads.

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, GWINN OFFICE, 410 WEST M 35, GWINN, MI 49841, no later than 2:00 p.m. (local time) on January 9, 2023. For further information concerning this sale, contact Kristen Matson at 906-346-9201 extension 103.

2. Bidder's Qualifications (10/22)

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

3. Preparation of Sealed Bids (5/16)

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

4. Submission of Sealed Bids (5/16)

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

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

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

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

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

6. Award of Contract (1/11)

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

7. Down Payment (1/11)

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

8. Performance Security (1/11)

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

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

9. Worker's Compensation (10/22)

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

10. Timber Sale Contract (10/22)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

DAN EICHINGER
Director

TIMBER SALE INFORMATION

Upland Lowland (32-011-22)

T44N, R26W, SEC. 4; T44N, R26W, SEC. 5; T45N, R26W, SEC. 28; T45N, R26W, SEC. 32; T45N, R26W, SEC. 33; T45N, R26W, SEC. 34.

SALE NOTE: Access is through state forest land.

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

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

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>		<u>ADVERTISED PRICE</u>
Sawtimber			
Red Maple	4.3	MBF	\$ 107.00 / MBF
Red Pine	51.2	MBF	\$ 107.00 / MBF
Sugar Maple	267.9	MBF	\$ 160.00 / MBF
Pulpwood			
Balsam Fir	199	Cords	\$ 9.20 / Cord
Balsam Poplar	76	Cords	\$ 19.50 / Cord
Black Cherry	36	Cords	\$ 11.30 / Cord
Mixed Aspen	333	Cords	\$ 19.50 / Cord
Mixed Spruce	2,113	Cords	\$ 10.40 / Cord
Paper Birch	180	Cords	\$ 12.55 / Cord
Red Maple	55	Cords	\$ 11.30 / Cord
Red Pine	2,166	Cords	\$ 43.00 / Cord
Sugar Maple	792	Cords	\$ 11.30 / Cord
Tamarack	1,622	Cords	\$ 11.05 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 8.91 percent. There are an estimated 8,053 cords on this timber sale, plus or minus 718 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 \$10,194.00 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	3.6%
02	3.6%
03	2.0%
04	4.3%
05	1.8%
06	4.8%
07	2.2%
08	1.3%
09	2.9%
10	7.1%
11	5.1%
12	6.3%
13	7.7%
14	9.1%
15	8.4%
16	5.8%
17	4.7%
18	3.6%
19	2.2%
20	2.7%
21	2.8%
22	2.2%
23	2.9%
24	2.9%

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

5. Operations on the contract issued will terminate on 08/31/2026.

SALE STATISTICS

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

SALE VOLUMES

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

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
636,150	8,053	8.91%	7,334	8,771

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	246,743	3,123	12.73%	2,726	3,521
2	80,547	1,020	18.07%	835	1,204
3	127,343	1,612	16.98%	1,338	1,886
4	181,517	2,298	13.79%	1,981	2,614
TOTAL:	636,150	8,053		6,880	9,225

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	125.9	17	32.6
		18	25.0
		19	15.5
		20	18.4
		21	19.4
		22	15.0
2	30.8	23	15.5
		24	15.3
3	181.7	1	24.9
		2	24.4
		3	14.0
		4	29.5
		5	12.6
		6	32.8
		7	14.8
		8	9.0
		9	19.7
4	101.6	10	14.6
		11	10.5
		12	13.0
		13	15.9
		14	18.4
		15	17.2
		16	12.0
		TOTAL:	440.0

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Sawtimber	0.6	MBF	24.9	\$7,391.50
	Sugar Maple		36.7	MBF		
	Balsam Fir	Pulpwood	12	Cords		
	Mixed Aspen		3	Cords		
	<i>Quaking Aspen</i>		3	<i>Cords</i>		
	Mixed Spruce		2	Cords		
	<i>White Spruce</i>		2	<i>Cords</i>		
	Red Maple		3	Cords		
	Sugar Maple		109	Cords		
2	Red Maple	Sawtimber	0.6	MBF	24.4	\$7,245.60
	Sugar Maple		36.0	MBF		
	Balsam Fir	Pulpwood	12	Cords		
	Mixed Aspen		3	Cords		
	<i>Quaking Aspen</i>		3	<i>Cords</i>		
	Mixed Spruce		2	Cords		
	<i>White Spruce</i>		2	<i>Cords</i>		
	Red Maple		3	Cords		
	Sugar Maple		106	Cords		
3	Red Maple	Sawtimber	0.3	MBF	14.0	\$4,134.30
	Sugar Maple		20.6	MBF		
	Balsam Fir	Pulpwood	7	Cords		
	Mixed Aspen		1	Cords		
	<i>Quaking Aspen</i>		1	<i>Cords</i>		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	<i>Cords</i>		
	Red Maple		2	Cords		
	Sugar Maple		61	Cords		
4	Red Maple	Sawtimber	0.7	MBF	29.5	\$8,765.50
	Sugar Maple		43.5	MBF		
	Balsam Fir	Pulpwood	15	Cords		
	Mixed Aspen		3	Cords		
	<i>Quaking Aspen</i>		3	<i>Cords</i>		
	Mixed Spruce		3	Cords		
	<i>White Spruce</i>		3	<i>Cords</i>		
	Red Maple		4	Cords		
	Sugar Maple		129	Cords		
5	Red Maple	Sawtimber	0.3	MBF	12.6	\$3,737.30
	Sugar Maple		18.6	MBF		
	Balsam Fir	Pulpwood	6	Cords		
	Mixed Aspen		1	Cords		
	<i>Quaking Aspen</i>		1	<i>Cords</i>		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	<i>Cords</i>		
	Red Maple		2	Cords		
	Sugar Maple		55	Cords		
6	Red Maple	Sawtimber	0.7	MBF	32.8	\$9,726.40
	Sugar Maple		48.4	MBF		
	Balsam Fir	Pulpwood	16	Cords		
	Mixed Aspen		3	Cords		
	<i>Quaking Aspen</i>		3	<i>Cords</i>		
	Mixed Spruce		5	Cords		
	<i>White Spruce</i>		5	<i>Cords</i>		
	Red Maple		4	Cords		
	Sugar Maple		142	Cords		
7	Red Maple	Sawtimber	0.4	MBF	14.8	\$4,401.70

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
7 con't	Sugar Maple	Sawtimber	21.8	MBF			
	Balsam Fir	Pulpwood	7	Cords			
	Mixed Aspen		2	Cords			
	<i>Quaking Aspen</i>		2	<i>Cords</i>			
	Mixed Spruce		1	Cords			
	<i>White Spruce</i>		1	<i>Cords</i>			
	Red Maple		2	Cords			
	Sugar Maple		65	Cords			
8	Red Maple		Sawtimber	0.2	MBF	9.0	\$2,668.10
	Sugar Maple	Pulpwood	13.3	MBF			
	Balsam Fir		4	Cords			
	Mixed Aspen		1	Cords			
	<i>Quaking Aspen</i>		1	<i>Cords</i>			
	Mixed Spruce		1	Cords			
	<i>White Spruce</i>		1	<i>Cords</i>			
	Red Maple		1	Cords			
	Sugar Maple		39	Cords			
9	Red Maple		Sawtimber	0.5	MBF	19.7	\$5,839.70
	Sugar Maple	Pulpwood	29.0	MBF			
	Balsam Fir		10	Cords			
	Mixed Aspen		2	Cords			
	<i>Quaking Aspen</i>		2	<i>Cords</i>			
	Mixed Spruce		2	Cords			
	<i>White Spruce</i>		2	<i>Cords</i>			
	Red Maple		2	Cords			
	Sugar Maple		86	Cords			
10	Red Pine		Sawtimber	7.4	MBF	14.6	\$14,497.20
	Balsam Fir	Pulpwood	4	Cords			
	Black Cherry		2	Cords			
	Mixed Aspen		14	Cords			
	<i>B. T. Aspen</i>		2	<i>Cords</i>			
	<i>Quaking Aspen</i>		12	<i>Cords</i>			
	Red Pine		311	Cords			
	11		Red Pine	Sawtimber	5.3		
Balsam Fir			Pulpwood	3	Cords		
Black Cherry		2		Cords			
Mixed Aspen		10		Cords			
<i>B. T. Aspen</i>		1		<i>Cords</i>			
<i>Quaking Aspen</i>		9		<i>Cords</i>			
Red Pine		224		Cords			
12	Red Pine	Sawtimber		6.6	MBF	13.0	\$12,920.90
	Balsam Fir	Pulpwood	3	Cords			
	Black Cherry		2	Cords			
	Mixed Aspen		13	Cords			
	<i>B. T. Aspen</i>		2	<i>Cords</i>			
	<i>Quaking Aspen</i>		11	<i>Cords</i>			
	Red Pine		277	Cords			
	13		Red Pine	Sawtimber	8.0		
Balsam Fir			Pulpwood	4	Cords		
Black Cherry		3		Cords			
Mixed Aspen		15		Cords			
<i>B. T. Aspen</i>		2		<i>Cords</i>			
<i>Quaking Aspen</i>		13		<i>Cords</i>			
Red Pine		339		Cords			
14		Red Pine		Sawtimber	9.2	MBF	18.4

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
14 con't	Balsam Fir Black Cherry Mixed Aspen <i>B. T. Aspen</i> <i>Quaking Aspen</i> Red Pine	Pulpwood	5 3 17 2 15 392	Cords Cords Cords <i>Cords</i> <i>Cords</i> Cords		
15	Red Pine Balsam Fir Black Cherry Mixed Aspen <i>B. T. Aspen</i> <i>Quaking Aspen</i> Red Pine	Sawtimber Pulpwood	8.7 5 3 16 2 14 367	MBF Cords Cords Cords <i>Cords</i> <i>Cords</i> Cords	17.2	\$17,103.80
16	Red Pine Balsam Fir Black Cherry Mixed Aspen <i>B. T. Aspen</i> <i>Quaking Aspen</i> Red Pine	Sawtimber Pulpwood	6.0 3 2 11 1 10 256	MBF Cords Cords Cords <i>Cords</i> <i>Cords</i> Cords	12.0	\$11,914.70
17	Balsam Fir Balsam Poplar Black Cherry Mixed Aspen <i>Quaking Aspen</i> Mixed Spruce <i>Black Spruce</i> Paper Birch Red Maple Tamarack	Pulpwood	22 19 5 56 56 462 462 47 8 223	Cords Cords Cords Cords <i>Cords</i> Cords <i>Cords</i> Cords Cords Cords	32.6	\$9,670.60
18	Balsam Fir Balsam Poplar Black Cherry Mixed Aspen <i>Quaking Aspen</i> Mixed Spruce <i>Black Spruce</i> Paper Birch Red Maple Tamarack	Pulpwood	16 14 4 43 43 353 353 36 6 171	Cords Cords Cords Cords <i>Cords</i> Cords <i>Cords</i> Cords Cords Cords	25.0	\$7,384.25
19	Balsam Fir Balsam Poplar Black Cherry Mixed Aspen <i>Quaking Aspen</i> Mixed Spruce <i>Black Spruce</i> Paper Birch Red Maple Tamarack	Pulpwood	10 9 2 27 27 219 219 22 4 106	Cords Cords Cords Cords <i>Cords</i> Cords <i>Cords</i> Cords Cords Cords	15.5	\$4,586.80
20	Balsam Fir Balsam Poplar Black Cherry Mixed Aspen <i>Quaking Aspen</i>	Pulpwood	12 10 3 32 32	Cords Cords Cords Cords <i>Cords</i>	18.4	\$5,442.40

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
20 con't	Mixed Spruce	Pulpwood	260	Cords		
	<i>Black Spruce</i>		260	<i>Cords</i>		
	Paper Birch		26	Cords		
	Red Maple		5	Cords		
	Tamarack		126	Cords		
21	Balsam Fir	Pulpwood	13	Cords	19.4	\$5,758.15
	Balsam Poplar		11	Cords		
	Black Cherry		3	Cords		
	Mixed Aspen		34	Cords		
	<i>Quaking Aspen</i>		34	<i>Cords</i>		
	Mixed Spruce		274	Cords		
	<i>Black Spruce</i>		274	<i>Cords</i>		
	Paper Birch		28	Cords		
	Red Maple		5	Cords		
	Tamarack		133	Cords		
22	Balsam Fir	Pulpwood	10	Cords	15.0	\$4,429.30
	Balsam Poplar		8	Cords		
	Black Cherry		2	Cords		
	Mixed Aspen		26	Cords		
	<i>Quaking Aspen</i>		26	<i>Cords</i>		
	Mixed Spruce		212	Cords		
	<i>Black Spruce</i>		212	<i>Cords</i>		
	Paper Birch		21	Cords		
	Red Maple		4	Cords		
	Tamarack		103	Cords		
23	Balsam Poplar	Pulpwood	3	Cords	15.5	\$5,933.20
	Mixed Spruce		159	Cords		
	<i>Black Spruce</i>		159	<i>Cords</i>		
	Tamarack		382	Cords		
24	Balsam Poplar	Pulpwood	2	Cords	15.3	\$5,838.30
	Mixed Spruce		156	Cords		
	<i>Black Spruce</i>		156	<i>Cords</i>		
	Tamarack		378	Cords		
TOTAL:			323.4	MBF		
TOTAL:			7,572	Cords		

Sale Specific Conditions & Requirements

Sale Name: Upland Lowland

Sale Number: 32-011-22 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 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) 17 - 24, cut all trees that are two (2) inches or more at DBH, except do not cut cedar and pine. In addition, within Payment Units 23 and 24, do not cut any elm or paper birch.

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

Within Payment Unit(s) 1-16, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within Payment Units 1-9, all merchantable spruce/fir are designated for cutting.

2.2 - Utilization

2.2.4 - Skidding length (2/14)

Skidding of unlimbed tops or lengths over 17 feet is not permissible within Payment Units 1 - 16 unless approved by the Unit Manager or his/her representative.

3 - Payments

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings within Payment Units 1 - 9.

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

4 - Transportation

4.1 - Construction

4.1.4 - 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. Contact the sale administrator for specific details of design and placement.

4.2 - Maintenance

4.2.2 - Fill material (4/07)

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

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or 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.

4.2.5 - Two wheel drive condition (2/04)

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

4.3 - 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, 10, and 11, and Crooked Lake Road.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference between the Purchaser and sale administrator is required prior to beginning any operations. The Unit Manager or his/her representative must be contacted at least 3 business days in advance to schedule the conference.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation, Payment Units 17 - 24 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

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1 - 16, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

5.2.3.6 - Bark beetle restriction (12/08)

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4

mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 17 - 24, cutting and skidding occur during dry summer or frozen winter conditions. The reason for the recommendation is due to areas of saturated lowland ground.

5.2.32 - Decking/landing restoration (9/13)

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

5.2.37 - No decking areas (12/08)

No decking is allowed within 50 feet of the County Road (Crooked Lake Road).

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

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

5.2.40 - Pathway protection (10/10)

The Bass Lake Motorcycle Trail is a single track bike trail and is shown on the Timber Sale Map. Do not cut trees or damage posts with painted markers / pathway markers. Maintain a 20-foot wide slash, debris, and rut free zone daily, using the pathway as the centerline. Do not run equipment down the pathway.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length within Payment Units 1-16.

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 24 inches or greater in depth and 100 feet in length within Payment Units 17-24.

The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

5.4.2 - Skid trails (2/04)

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

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

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

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Crooked Lake Road and Section 32 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.

6.2.3 - Recreational trail posting (10/20)

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

7 - Other Conditions

7.5 - Loss

7.5.1 - Deteriorating timber (7/09)

The sale area has received damage from spruce budworm to balsam fir and white spruce species. The Purchaser should harvest the wood as soon as possible. The Department of Natural Resources is held free of responsibility of any further damage or deterioration due to delay in harvesting.



Sale Number	Year
32-011	22

TIMBER SALE MAP

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

Forest Management Unit	County	Mapped By	Date	Page	of
Gwinn Management Unit	Marquette	Brolin	07/29/2022	1	1
Township	Range	Section(s) and Subdivision(s)	Scale		
44N, 45N	26W	44N - Sections 4 and 5 / 45N - Sections 28, 32, and 33	1:15,840		

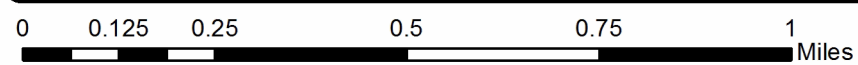
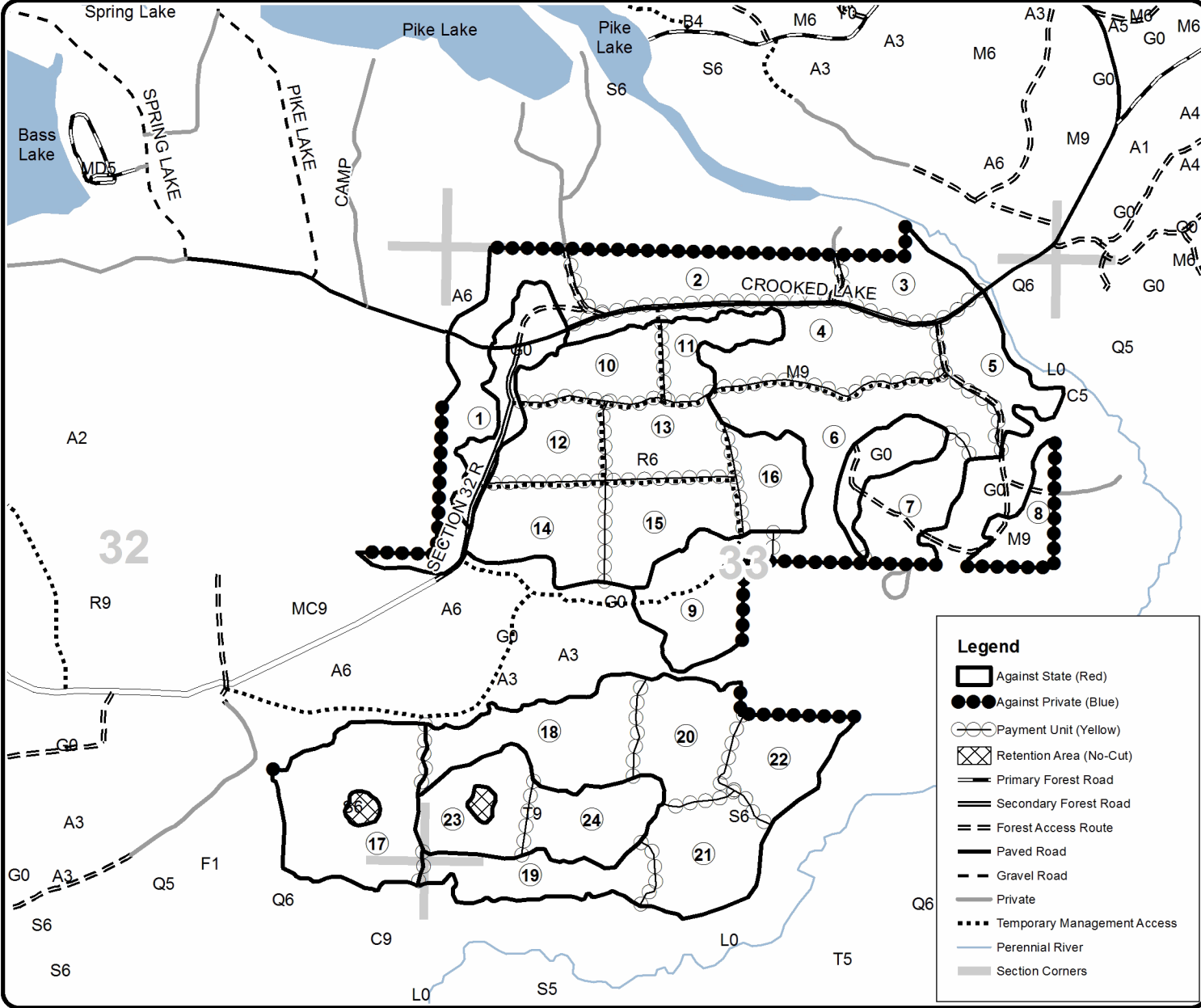
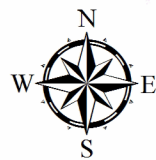
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium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

PU Acres	PU Acres	PU Acres
1	24.9	9
2	24.4	10
3	14.0	11
4	29.5	12
5	12.6	13
6	32.8	14
7	14.8	15
8	9.0	16
	19.7	17
	14.6	18
	10.5	19
	13.0	20
	15.9	21
	18.4	22
	21	23
	15.5	24
	15.3	

Upland Lowland Compartments 37 and 38 439.9 Acres



QR code for PDF Maps app



TIMBER SALE INFORMATION

Crooked Oak (32-020-22)

T45N, R26W, SEC. 16; T45N, R26W, SEC. 17; T45N, R26W, SEC. 21; T45N, R26W, SEC. 22; T45N, R26W, SEC. 27; T45N, R26W, SEC. 28.

SALE NOTE: The Bass Lake Motorcycle Trail crosses through multiple Payment Units across the sale area. See specs 5.2.39 and 6.2.3 for special instructions regarding trail protection and safety. Fill material may need to be added on some forest access roads.

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

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

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Paper Birch	16.0 MBF	\$ 46.00 / MBF
Red Maple	31.9 MBF	\$ 107.00 / MBF
Red Oak	309.3 MBF	\$ 127.00 / MBF
Sugar Maple	58.6 MBF	\$ 160.00 / MBF
White Spruce	6.7 MBF	\$ 21.00 / MBF
Pulpwood		
Balsam Fir	297 Cords	\$ 9.20 / Cord
Jack Pine	54 Cords	\$ 33.80 / Cord
Mixed Aspen	2,326 Cords	\$ 19.50 / Cord
Mixed Hardwood	1,894 Cords	\$ 11.30 / Cord
Mixed Spruce	238 Cords	\$ 10.40 / Cord
Tamarack	59 Cords	\$ 11.05 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 7.86 percent. There are an estimated 5,735 cords on this timber sale, plus or minus 451 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 \$6,370.00 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	5.6%
02	6.8%
03	6.7%
04	7.7%
05	7.7%
06	2.6%
07	2.4%
08	9.1%
09	4.1%
10	10.4%
11	7.2%
12	8.5%
13	6.3%
14	5.5%
15	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 08/31/2026.

SALE STATISTICS

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

SALE VOLUMES

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

VOLUME		PERCENT ERROR	STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
453,052	5,735	7.86%	5,284	6,186

VDU VOLUMES

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

VDU	VOLUME		PERCENT ERROR	RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
1	15,047	190	35.50%	123	258
2	21,590	273	24.57%	206	340
3	53,253	674	19.46%	543	805
4	22,145	280	46.44%	150	411
5	79,869	1,011	16.08%	848	1,174
6	160,335	2,030	11.92%	1,788	2,272
7	40,352	511	25.55%	380	641
8	60,459	765	25.63%	569	961
TOTAL:	453,052	5,735		4,608	6,862

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	21.6	7	21.6
2	19.7	9	19.7
3	26.6	8	26.6
4	8.6	6	8.6
5	43.8	4	21.9
		5	21.9
6	94.5	10	20.9
		11	14.3
		12	17.0
		13	12.5
		14	11.0
		15	18.8
7	23.1	3	23.1
8	56.0	1	25.4
		2	30.6
TOTAL:	293.9		293.9

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Jack Pine	Pulpwood	13	Cords	25.4	\$7,165.30
	Mixed Aspen		341	Cords		
	<i>B. T. Aspen</i>		18	<i>Cords</i>		
	<i>Quaking Aspen</i>		323	<i>Cords</i>		
	Mixed Hardwood		4	Cords		
	<i>Black Cherry</i>		4	<i>Cords</i>		
	Mixed Spruce		3	Cords		
	<i>White Spruce</i>		3	<i>Cords</i>		
2	Jack Pine	Pulpwood	15	Cords	30.6	\$8,627.80
	Mixed Aspen		412	Cords		
	<i>B. T. Aspen</i>		22	<i>Cords</i>		
	<i>Quaking Aspen</i>		390	<i>Cords</i>		
	Mixed Hardwood		4	Cords		
	<i>Black Cherry</i>		4	<i>Cords</i>		
	Mixed Spruce		4	Cords		
	<i>White Spruce</i>		4	<i>Cords</i>		
3	Paper Birch	Sawtimber	13.8	MBF	23.1	\$8,480.80
	Red Maple	Pulpwood	8.4	MBF		
	Jack Pine		20	Cords		
	Mixed Aspen		186	Cords		
	<i>Quaking Aspen</i>		186	<i>Cords</i>		
	Mixed Hardwood		234	Cords		
	<i>Paper Birch</i>		62	<i>Cords</i>		
	<i>Red Maple</i>		172	<i>Cords</i>		
4	White Spruce		Sawtimber	3.4	MBF	21.9
	Balsam Fir	Pulpwood	27	Cords		
	Mixed Aspen		444	Cords		
	<i>Quaking Aspen</i>		444	<i>Cords</i>		
	Mixed Hardwood		43	Cords		
	<i>Paper Birch</i>		3	<i>Cords</i>		
	<i>Red Maple</i>		40	<i>Cords</i>		
	Mixed Spruce		29	Cords		
	<i>Black Spruce</i>		5	<i>Cords</i>		
	<i>White Spruce</i>		24	<i>Cords</i>		
5	White Spruce		Sawtimber	3.3	MBF	21.9
	Balsam Fir	Pulpwood	27	Cords		
	Mixed Aspen		444	Cords		
	<i>Quaking Aspen</i>		444	<i>Cords</i>		
	Mixed Hardwood		43	Cords		
	<i>Paper Birch</i>		3	<i>Cords</i>		
	<i>Red Maple</i>		40	<i>Cords</i>		
	Mixed Spruce		29	Cords		
	<i>Black Spruce</i>		5	<i>Cords</i>		
	<i>White Spruce</i>		24	<i>Cords</i>		
6	Balsam Fir		Pulpwood	12	Cords	8.6
	Jack Pine	6		Cords		
	Mixed Aspen	34		Cords		
	<i>Quaking Aspen</i>	34		<i>Cords</i>		
	Mixed Spruce	166		Cords		
	<i>Black Spruce</i>	166		<i>Cords</i>		
	Tamarack	59		Cords		
7	Red Maple	Sawtimber	9.7	MBF	21.6	\$3,096.60
	Sugar Maple	Pulpwood	2.8	MBF		
	Balsam Fir		55	Cords		
	Mixed Hardwood		95	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
7 con't	<i>Red Maple</i> <i>Sugar Maple</i> Mixed Spruce <i>White Spruce</i>	<i>Pulpwood</i>	50 45 3 3	<i>Cords</i> <i>Cords</i> Cords <i>Cords</i>		
8	Red Maple Balsam Fir Mixed Aspen <i>B. T. Aspen</i> <i>Quaking Aspen</i> Mixed Hardwood <i>Red Maple</i> <i>Sugar Maple</i>	Sawtimber Pulpwood	6.0 120 457 8 449 87 41 46	MBF Cords Cords <i>Cords</i> <i>Cords</i> Cords <i>Cords</i> <i>Cords</i>	26.6	\$11,640.60
9	Paper Birch Red Maple Sugar Maple Balsam Fir Mixed Aspen <i>Quaking Aspen</i> Mixed Hardwood <i>Paper Birch</i> <i>Red Maple</i> <i>Sugar Maple</i> Mixed Spruce <i>White Spruce</i>	Sawtimber Pulpwood	2.2 4.3 16.4 56 8 8 116 1 54 61 4 4	MBF MBF MBF Cords Cords <i>Cords</i> Cords <i>Cords</i> <i>Cords</i> <i>Cords</i> Cords <i>Cords</i>	19.7	\$5,208.90
10	Red Maple Red Oak Sugar Maple Mixed Hardwood <i>Red Maple</i> <i>Red Oak</i> <i>Sugar Maple</i>	Sawtimber Pulpwood	0.8 68.5 8.7 281 31 148 102	MBF MBF MBF Cords <i>Cords</i> <i>Cords</i> <i>Cords</i>	20.9	\$13,352.40
11	Red Maple Red Oak Sugar Maple Mixed Hardwood <i>Red Maple</i> <i>Red Oak</i> <i>Sugar Maple</i>	Sawtimber Pulpwood	0.5 46.8 6.0 192 21 102 69	MBF MBF MBF Cords <i>Cords</i> <i>Cords</i> <i>Cords</i>	14.3	\$9,126.70
12	Red Maple Red Oak Sugar Maple Mixed Hardwood <i>Red Maple</i> <i>Red Oak</i> <i>Sugar Maple</i>	Sawtimber Pulpwood	0.6 55.6 7.1 229 25 121 83	MBF MBF MBF Cords <i>Cords</i> <i>Cords</i> <i>Cords</i>	17.0	\$10,849.10
13	Red Maple Red Oak Sugar Maple Mixed Hardwood <i>Red Maple</i> <i>Red Oak</i> <i>Sugar Maple</i>	Sawtimber Pulpwood	0.5 40.9 5.2 168 18 89 61	MBF MBF MBF Cords <i>Cords</i> <i>Cords</i> <i>Cords</i>	12.5	\$7,978.20
14	Red Maple Red Oak Sugar Maple	Sawtimber	0.4 36.0 4.6	MBF MBF MBF	11.0	\$7,011.90

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
14 con't	Mixed Hardwood	Pulpwood	147	Cords		
	<i>Red Maple</i>		16	<i>Cords</i>		
	<i>Red Oak</i>		78	<i>Cords</i>		
	<i>Sugar Maple</i>		53	<i>Cords</i>		
15	Red Maple	Sawtimber	0.7	MBF	18.8	\$11,969.70
	Red Oak		61.5	MBF		
	Sugar Maple		7.8	MBF		
	Mixed Hardwood	Pulpwood	251	Cords		
	<i>Red Maple</i>		27	<i>Cords</i>		
	<i>Red Oak</i>		133	<i>Cords</i>		
	<i>Sugar Maple</i>		91	<i>Cords</i>		
TOTAL:			422.5	MBF		
TOTAL:			4,868	Cords		

Sale Specific Conditions & Requirements

Sale Name: Crooked Oak

Sale Number: 32-020-22 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 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 yellow 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 - 6 and 8, cut all trees that are two (2) inches or more at DBH, except do not cut red pine, white pine, and oak. In addition, within Payment Unit 6, do not cut cedar. Also, within Payment Unit 8, do not cut white spruce.

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

Within Payment Unit(s) 7 & 9-15, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within Payment Units 7 & 9, all merchantable spruce/fir are designated for cutting.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within Payment Unit(s) 1 and 2, 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.

2.2.4 - Skidding length (2/14)

Within Payment Unit(s) 7 & 9 - 15, skidding of unlimbed tops or lengths over 17 feet is not permissible.

3 - Payments

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings within Payment Unit(s) 7 & 9 - 15.

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

4 - Transportation

4.1 - Construction

4.1.3 - Slash and earthen piles (8/04)

Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road maintenance or construction, including stumps, shall be 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. Contact the sale administrator for specific details of design and placement.

4.2 - Maintenance

4.2.2 - Fill material (4/07)

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

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or 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 Crooked Lake Road.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference between the Purchaser and sale administrator is required prior to beginning any operations. The Unit Manager or his/her representative must be contacted at least 3 business days in advance to schedule the conference.

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 - 6 and 8 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

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 7 & 9 - 15, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 7 & 9-15, unless changed by written agreement, cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. Operations may be allowed if specific steps are taken to prevent damaging uncut oak during the high risk period. Those steps may include completing

all road brushing before April 15th and clearing a tree-length buffer along uncut oak cover before April 15th. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 6, cutting and skidding occur during dry summer or frozen winter conditions. The reason for the recommendation is due to areas of saturated ground.

5.2.32 - Decking/landing restoration (9/13)

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

5.2.37 - No decking areas (12/08)

No decking is allowed within 50 feet of County roads (Crooked Lake Road).

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

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

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

The Bass Lake Motorcycle Trail is a single track ORV trail and is shown on the Timber Sale Map. Trees with ORV markers shall be cut off above the markers and at least 5 feet above ground. All stumps within 5 feet of the trail must be cut flush with the ground. Maintain a 20 foot wide slash, debris, and rut free zone daily using the ORV trail as the centerline. Do not run equipment down the ORV trail. Skidding across the trail may only occur in locations approved by the sale administrator.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

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

5.4.2 - Skid trails (2/04)

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

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

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

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Crooked Lake Road and any other forest access 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.

6.2.3 - Recreational trail posting (10/20)

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



TIMBER SALE MAP

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

Forest Management Unit	County	Mapped By	Date	Page	of
Gwinn Management Unit	Marquette	Brolin	05/16/2022	1	1
Township	Range	Section(s) and Subdivision(s)	Scale		
45N	26W	Sections 16, 17, 21, 22, 27, and 28	1:31,680		

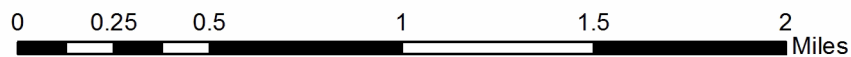
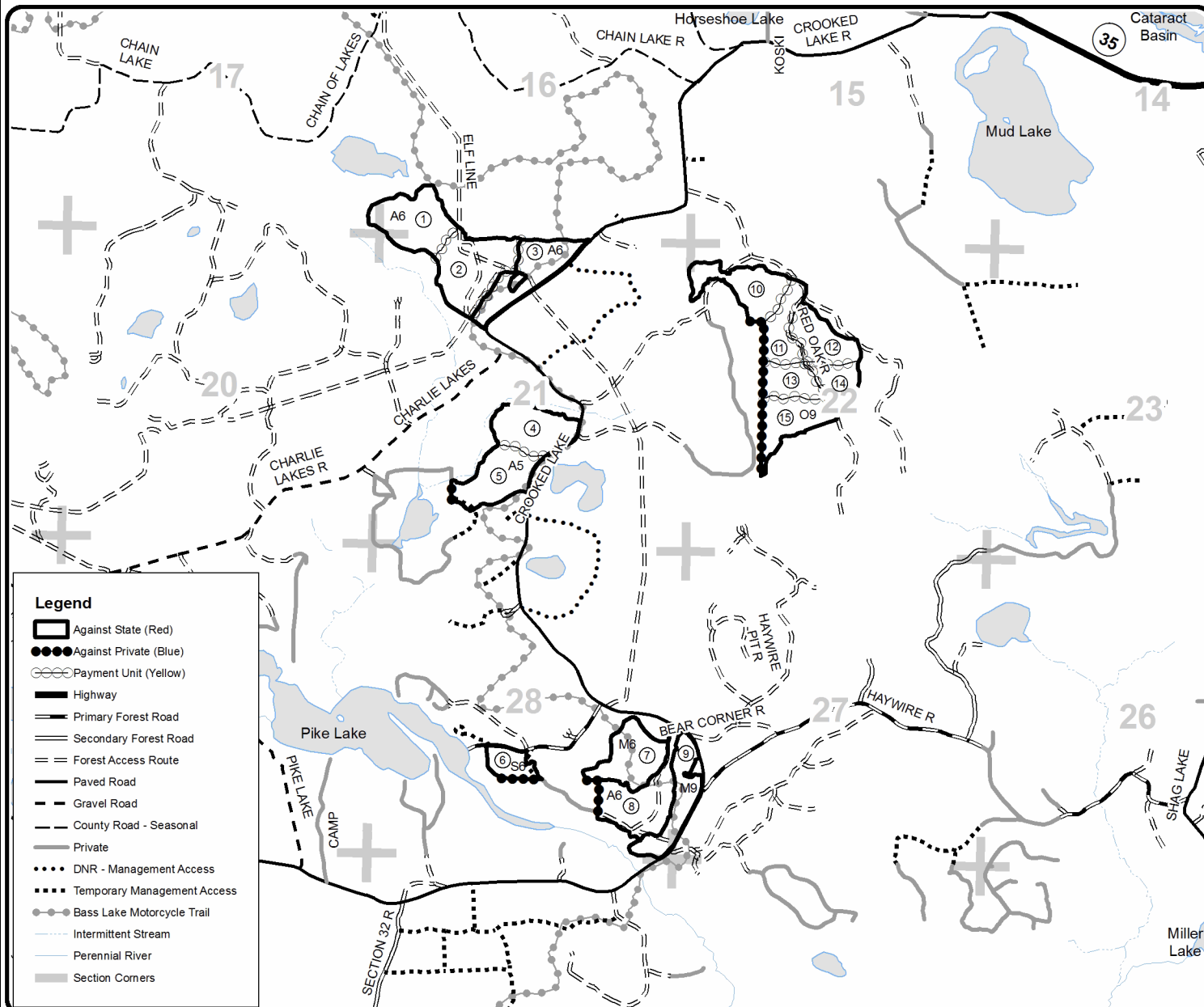
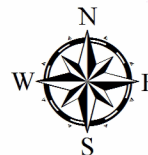
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium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

PU Acres	PU Acres	PU Acres
1 25.4	6 8.6	11 14.3
2 30.6	7 21.6	12 17.0
3 23.1	8 26.6	13 12.5
4 21.9	9 19.7	14 11.0
5 21.9	10 20.9	15 18.8

Crooked Oak Compartment 38 293.9 Acres



QR code for PDF Maps app



Crooked Oak (32-020-22)

T45N, R26W, SEC. 16; T45N, R26W, SEC. 17; T45N, R26W, SEC. 21; T45N,

In response to the notice of sale to be held 2:00 p.m. (local time) on January 9, 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			
Paper Birch	16.0 MBF	\$ 46.00/MBF	\$ _____
Red Maple	31.9 MBF	\$ 107.00/MBF	\$ _____
Red Oak	309.3 MBF	\$ 127.00/MBF	\$ _____
Sugar Maple	58.6 MBF	\$ 160.00/MBF	\$ _____
White Spruce	6.7 MBF	\$ 21.00/MBF	\$ _____
Pulpwood			
Balsam Fir	297 Cords	\$ 9.20/Cord	\$ _____
Jack Pine	54 Cords	\$ 33.80/Cord	\$ _____
Mixed Aspen	2,326 Cords	\$ 19.50/Cord	\$ _____
Mixed Hardwood	1,894 Cords	\$ 11.30/Cord	\$ _____
Mixed Spruce	238 Cords	\$ 10.40/Cord	\$ _____
Tamarack	59 Cords	\$ 11.05/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 7.86 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

Upland Lowland (32-011-22)

T44N, R26W, SEC. 4; T44N, R26W, SEC. 5; T45N, R26W, SEC. 28; T45N, R26W,

In response to the notice of sale to be held 2:00 p.m. (local time) on January 9, 2023, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Red Maple	4.3 MBF	\$ 107.00/MBF	\$ _____
Red Pine	51.2 MBF	\$ 107.00/MBF	\$ _____
Sugar Maple	267.9 MBF	\$ 160.00/MBF	\$ _____
Pulpwood			
Balsam Fir	199 Cords	\$ 9.20/Cord	\$ _____
Balsam Poplar	76 Cords	\$ 19.50/Cord	\$ _____
Black Cherry	36 Cords	\$ 11.30/Cord	\$ _____
Mixed Aspen	333 Cords	\$ 19.50/Cord	\$ _____
Mixed Spruce	2,113 Cords	\$ 10.40/Cord	\$ _____
Paper Birch	180 Cords	\$ 12.55/Cord	\$ _____
Red Maple	55 Cords	\$ 11.30/Cord	\$ _____
Red Pine	2,166 Cords	\$ 43.00/Cord	\$ _____
Sugar Maple	792 Cords	\$ 11.30/Cord	\$ _____
Tamarack	1,622 Cords	\$ 11.05/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 8.91 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

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 - B. Partnership
 - C. Corporation
2. You **must** check one of the boxes below:
 - A. I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.
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 - 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