

DEPARTMENT OF NATURAL RESOURCES STATE OF MICHIGAN

TIMBER SALE PROSPECTUS #6738

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on November 10, 2020. LOCATION: ROSCOMMON MGMT UNIT, PO BOX 218, ROSCOMMON, MI 48653.

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

MFL Border (71-001-20) / T21N, R03W, SEC. 12, SENE,E1/2SE. T21N, R03W, SEC. 13, E1/2NE,NESE. Roscommon County, Advertised Price \$34,449.00, 56.1 Acres, Hardwood, Aspen.

<u>Washtenaw Harvest</u> (71-002-20) / T21N, R03W, SEC. 11, S1/2NE,NESW,SE. T21N, R03W, SEC. 14, NWNE. Roscommon County, Advertised Price \$27,830.85, 60.6 Acres, Hardwood, White Pine.

SALE NOTE: Please Note: The snowmobile trail may not be used for any timber sale operations from December 1 to March 31. This is to avoid conflict between snowmobiles and logging trucks on this heavily used snowmobile trail.

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.

<u>Mud Lake Aspen</u> (71-009-20) / T22N, R02W, SEC. 5 , W1/2NW,N1/2SW. T22N, R02W, SEC. 6 , NESE. Roscommon County, Advertised Price \$35,218.35, 44.6 Acres, Aspen, Hardwood.

SALE NOTE: To promote vigorous aspen regeneration adjacent to the Backus Creek SGA, harvesting on this sale is limited to the period of September 1st through March 31st.

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

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

Bids must be received by the Unit Manager, ROSCOMMON OFFICE, PO BOX 218, ROSCOMMON, MI 48653, no later than 9:00 a.m. (local time) on November 10, 2020. For further information concerning this sale, contact Patrick Mohney at 989-275-4622 extension 2740.

2. Bidder's Qualifications (5/16)

Purchaser shall obtain workers compensation insurance to cover claims under Michigan's Worker's Disability Compensation Act of 1969 or similar employee benefit act of any other state applicable to an employee. If all or part of a timber sale was prepared by a private contractor, the contractor and that contractor's company are not permitted to bid on the timber sale contract. Bids will not be accepted from individuals or companies appearing on the DNR/FRD No-Bid List. This list contains the names of purchasers who previously failed to execute a contract within 21-days or who have a history of poor performance.

3. Preparation of Sealed Bids (5/16)

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

4. Submission of Sealed Bids (5/16)

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

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

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

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

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

6. Award of Contract (1/11)

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

7. Down Payment (1/11)

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

8. Performance Security (1/11)

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

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

9. Timber Sale Contract (7/18)

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

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

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

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

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

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

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

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

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

GNA contracts on US Forest Service land will not be awarded to purchasers on the Federal list of excluded parties. The System for Award Management (SAM) will be checked for active excluded parties prior to award of contract. In addition, the Bidder to whom award is made must complete an Assurance Regarding Felony Conviction or Tax Delinquent Status for Corporate Applicants (AD-3031).

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

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

a. That the Bidder and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntary excluded from timber sales (covered transactions) by any Federal department or agency.

b. That the Bidder and its principals have not within a 3-year period preceding this bid been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.

c. That the Bidder and its principals are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph b of this certification.

d. That the Bidder and its principals have not within a 3-year period preceding this bid had one or more public transactions (Federal, State, or local) terminated for breach or default of a timber or forest product contract.

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

DAN EICHINGER Director

TIMBER SALE INFORMATION

MFL Border (71-001-20) T21N, R03W, SEC. 12; T21N, R03W, SEC. 13. Roscommon County (Advertised Price \$34,449.00)

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 T-Sale computer program and our traditional volume equations. Bids must be at or above the following advertised price for each product and species:

PRODUCTS & SPECIES	ESTIMATE	ED UNITS*	<u>ADVI</u>	ERTISED PRICE
Sawtimber				
B. T. Aspen	68.4	MBF	\$	53.00 / MBF
BI/R/Hybrid Oak	64.1	MBF	\$	87.00 / MBF
Red Oak	91.4	MBF	\$	121.00 / MBF
White Oak	5.3	MBF	\$	61.00 / MBF
Pulpwood				
B. T. Aspen	71	Cords	\$	21.45 / Cord
Jack Pine	3	Cords	\$	11.60 / Cord
Mixed Oak	336	Cords	\$	15.15 / Cord
Red Maple	106	Cords	\$	15.15 / Cord
Red Pine	37	Cords	\$	37.55 / Cord
White Pine	201	Cords	\$	21.00 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 13.70 percent. There are an estimated 1, 211 cords on this timber sale, plus or minus 166 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

- 1. A bond in the amount of \$1,722.00 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

T NUMBER	PERCENT OF TOTAL SALE VALUE
01	28.2%
02	52.2%
03	19.6%

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

5. Operations on the contract issued will terminate on 12/31/2022.

SALE STATISTICS

SALE VOLUMES

VOLUME		VOLUME		STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET TOTAL CORDS		PERCENT ERROR MINIMUM		MAXIMUM	
95,705	1,211	13.70%	1,045	1,377	

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.

	VOLUME			RANGE I	N CORDS
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
7	43,766	554	17.24%	458	650
83	30,146	382	17.81%	314	450
167	6,960	88	55.35%	39	137
169	4,163	53	52.50%	25	80
171	10,689	135	65.45%	47	224
TOTAL:	95,724	1,212		883	1,540

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
7	11.3	2	11.3
83	22.4	1	22.4
167	10.8	3	10.8
169	3.8	3	3.8
171	7.8	3	7.8
TOTAL:	56.1		56.1

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
1	B. T. Aspen	Sawtimber	28.1	MBF	22.4	\$9,707.35	
I	-	Sawtimber		MBF	22.4	φ9,707.33	
	BI/R/Hybrid Oak		5.5				
	Red Oak		19.0	MBF			
	White Oak		2.2	MBF			
	B. T. Aspen	Pulpwood	38	Cords			
	Jack Pine		2	Cords			
	Mixed Oak		84	Cords			
	BI/R/Hybrid Oak		15	Cords			
	Red Oak		60	Cords			
	White Oak		9	Cords			
	Red Maple		19	Cords			
	Red Maple		19	Cords			
	Red Pine		12	Cords			
	Red Pine	Sawtimber	3.5	MBF			
	Red Pine	Pulpwood	5	Cords			
	White Pine	.,	117	Cords			
	White Pine	Sawtimber	11.3	MBF			
	White Pine	Pulpwood	94	Cords			
2			35.1	MBF	11.3	\$17,944.75	
2	B. T. Aspen	Sawtimber			11.3	¢۱/,944./5	
	Bl/R/Hybrid Oak		29.7	MBF			
	Red Oak		72.4	MBF			
	White Oak		2.7	MBF			
	B. T. Aspen	Pulpwood	18	Cords			
	Mixed Oak		188	Cords			
	Bl/R/Hybrid Oak		69	Cords			
	Red Oak		111	Cords			
	White Oak		8	Cords			
	Red Maple		39	Cords			
	Red Maple	Sawtimber	1.9	MBF			
	Red Maple	Pulpwood	35	Cords			
	Red Pine	.,	6	Cords			
	Red Pine	Sawtimber	2.0	MBF			
	Red Pine	Pulpwood	2	Cords			
	White Pine	, apriced	25	Cords			
	White Pine	Sawtimber	2.8	MBF			
	White Pine		19	Cords			
0		- 1			00.4	¢0.705.00	
3	B. T. Aspen	Sawtimber	5.2	MBF	22.4	\$6,765.20	
	Bl/R/Hybrid Oak		28.9	MBF			
	White Oak		0.4	MBF			
	B. T. Aspen	Pulpwood	15	Cords			
	Jack Pine		1	Cords			
	Mixed Oak		64	Cords			
	BI/R/Hybrid Oak		59	Cords			
	White Oak		5	Cords			
	Red Maple		47	Cords			
	Red Maple	Sawtimber	3.1	MBF			
	Red Maple	Pulpwood	41	Cords			
	, Red Pine		18	Cords			
	Red Pine	Sawtimber	1.7	MBF			
	Red Pine	Pulpwood	15	Cords			
	White Pine		60	Cords			
	White Pine	Sawtimber	8.4	MBF			
			8.4 43				
	White Pine		_	Cords			
	TOTAL: 229.2 MBF						
		TOTAL:	753	Cords			

Sale Specific Conditions & Requirements

Sale Name: MFL Border

Sale Number: 71-001-20 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by red and yellow paint. 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) 2, cut all trees that are two (2) inches or more at DBH, except do not cut any green marked tree.

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

Within Payment Unit(s) 1 and 3, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition cut all aspen, red maple and jack pine regardless of merchantability.

2.2 - Utilization

2.2.6 - Roundwood operation required (5/07)

The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Units 1 and 3. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

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

Within Payment Unit(s) 1 and 3, chipping of limbs or tops is not permitted. Limbs and the remaining top must be left on site and scattered.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

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

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 and 3, 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 \$300 per acre for all acreage within that specified portion of the sale area that was damaged.

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.

3.6 - Payment Unit Cutting Schedule

3.6.2 - One active unit (12/08)

Each Payment Unit must be completed to the satisfaction of the Unit Manager or his/her representative before the next unit may be opened.

4 - Transportation

4.1 - Construction

4.1.6 - Road construction (1/09)

Construction of new spur 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, not left in windrows and kept a minimum of ten (10) feet back from the road edge or chipped, utilized for any needed road closures, or otherwise removed from the sale. Stumps shall be set upright, not left on edge, and be moved at least ten (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. These roads must be rendered impassable to cars and trucks. 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. Contact the sale administrator for details of design and placement.

4.1.12 - No new roads (1/12)

No new roads will be permitted in any Payment Unit. All operations are limited to existing open or overgrown roads.

4.2 - Maintenance

4.2.3 - Road maintenance (8/13)

The following road maintenance may be needed: Within 60 days of completion of hauling, or if no hauling occurs for 60 days, the road must be maintained and graded. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. Damages will be assessed if grading/repair does not occur.

5 - Operations

5.1 - Notification

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

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the power line / pipe line (Roscommon Road) R.O.W. for operations.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed twenty four (24) inches in height.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

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

5.2.3 - Operating Restrictions

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1 and 3, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

5.2.3.4 - Oak wilt restriction, no exceptions (1/18)

Within Payment Unit(s) 1 and 3, 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. No exceptions will be granted. Also the brushing of access roads to Payment Unit 2, is not permitted during this period. This is necessary to reduce the spread of oak wilt.

5.2.4 - Dead and Down Creation

5.2.4.2 - Dead and down creation, hare and grouse (1/14)

To improve habitat for snowshoe hare, grouse, and other species, the Purchaser is to leave two nine (9) inch diameter or larger log size pieces on the ground for every two acres, within Payment Unit 2. These pieces should be scattered throughout the Payment Unit or positioned per the sale administrators instruction. If possible, logs or trees should be felled so they overlap. Note: these pieces should have a minimum length of five (5) feet. Pieces may be composed of any species and may be an un-merchantable piece of a full tree.

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

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

5.2.29 - Shrub protection (1/20)

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

5.2.32 - Decking/landing restoration (9/13)

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

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

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

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is twelve (12) inches or greater in depth and fifty (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.

5.4.3 - Erosion control (12/08)

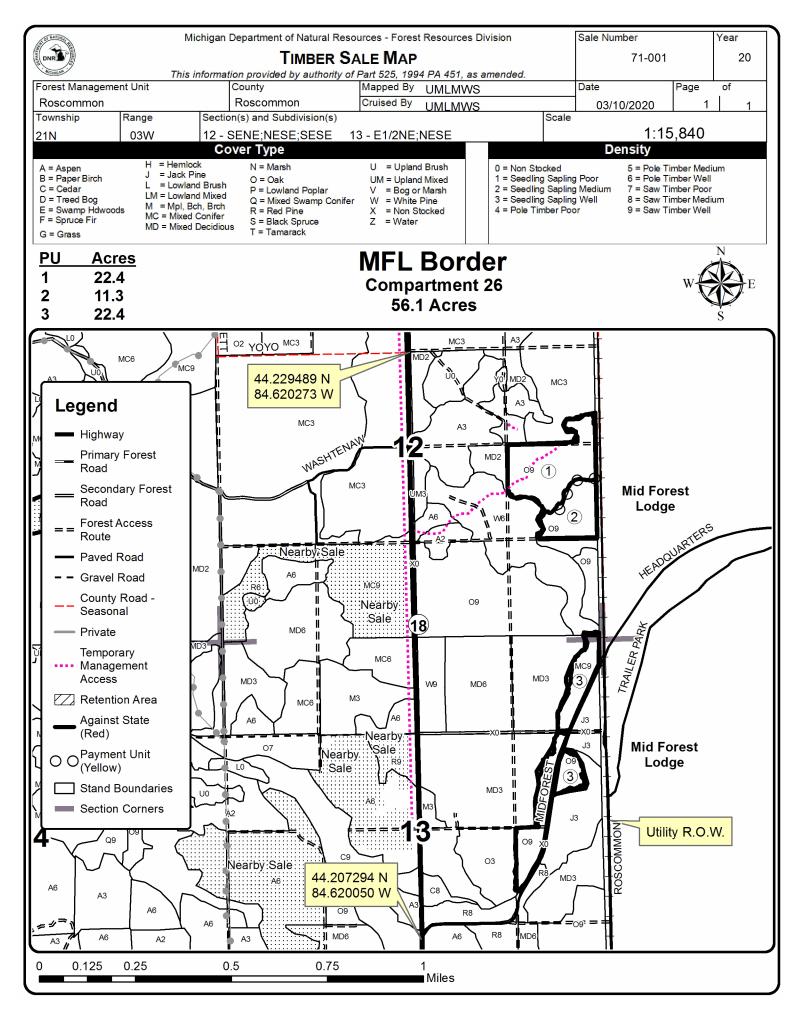
Skid trails or haul roads may require erosion control structures or berms per direction of the Unit Manager or his/her representative.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (9/09)

The Purchaser is responsible for posting and maintaining caution signs on Mid Forest Road and M-18 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 shall provide these road signs.



TIMBER SALE INFORMATION

<u>Washtenaw Harvest (71-002-20)</u> T21N, R03W, SEC. 11; T21N, R03W, SEC. 14. Roscommon County (Advertised Price \$27,830.85)

SALE NOTE: Please Note: The snowmobile trail may not be used for any timber sale operations from December 1 to March 31. This is to avoid conflict between snowmobiles and logging trucks on this heavily used snowmobile trail.

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 T-Sale computer program and our traditional volume equations. Bids must be at or above the following advertised price for each product and species:

PRODUCTS & SPECIES	<u>ESTIMATE</u>	D UNITS*	ADVE	RTISED PRICE
Sawtimber				
Bl/R/Hybrid Oak	64.8	MBF	\$	87.00 / MBF
Mixed Aspen	15.6	MBF	\$	53.00 / MBF
Red Maple	29.3	MBF	\$	57.00 / MBF
Red Pine	28.5	MBF	\$	90.00 / MBF
White Oak	24.9	MBF	\$	61.00 / MBF
Pulpwood				
Balsam Fir	8	Cords	\$	21.60 / Cord
BI/R/Hybrid Oak	166	Cords	\$	15.15 / Cord
Jack Pine	73	Cords	\$	11.60 / Cord
Mixed Aspen	37	Cords	\$	21.45 / Cord
Mixed Hardwood	24	Cords	\$	15.15 / Cord
Red Maple	138	Cords	\$	15.15 / Cord
Red Pine	23	Cords	\$	37.55 / Cord
White Oak	49	Cords	\$	15.15 / Cord
White Pine	344	Cords	\$	21.00 / Cord

* The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$1,392.00 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	25.2%
02	52.4%
03	22.4%

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

5. Operations on the contract issued will terminate on 12/31/2022.

SALE STATISTICS

SALE VOLUMES

VOLUME		VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET TOTAL CORDS		PERCENT ERROR	MINIMUM	MAXIMUM		
93,619	1,185	13.79%	1,022	1,348		

VDU VOLUMES

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

	VOLUME			RANGE II	N CORDS
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
6	45,773	579	19.29%	468	691
56	25,699	325	29.28%	230	421
61	22,175	281	25.76%	208	353
TOTAL:	93,647	1,185		906	1,465

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
6	21.7	2	21.7
56	26.3	1	26.3
61	12.6	3	12.6
TOTAL:	60.6		60.6

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

БШ						
PU	MARKET GROUP	PRODUCT	QUANTITY		ACRES	ADVERTISE PRICE
1	Bl/R/Hybrid Oak	Sawtimber	15.7	MBF	26.3	\$7,017.60
	Mixed Aspen		13.0	MBF		
	B. T. Aspen		5.5	MBF		
	Quaking Aspen		7.5	MBF		
	Red Maple		23.2	MBF		
	White Oak		3.1	MBF		
	Balsam Fir	Pulpwood	5	Cords		
	Balsam Fir		5	Cords		
	Bl/R/Hybrid Oak		45	Cords		
	Jack Pine		18	Cords		
	Jack Pine	Sawtimber	6.6	MBF		
	Jack Pine	Pulpwood	5	Cords		
	Mixed Aspen		31	Cords		
	B. T. Aspen		7	Cords		
	Quaking Aspen		24	Cords		
	Mixed Hardwood		8	Cords		
	Paper Birch	Sawtimber	1.5	MBF		
	Black Cherry	Pulpwood	2	Cords		
	Paper Birch		3	Cords		
	Red Maple		101	Cords		
	White Oak		9	Cords	047	<u> </u>
2	Bl/R/Hybrid Oak	Sawtimber	40.7	MBF	21.7	\$14,588.85
	Red Maple		3.6	MBF		
	Red Pine		25.8	MBF		
	White Oak		7.5	MBF		
	Bl/R/Hybrid Oak	Pulpwood	93	Cords		
	Jack Pine		48	Cords		
	Jack Pine	Sawtimber	7.4	MBF		
	Jack Pine	Pulpwood	33	Cords		
	Mixed Aspen		3	Cords		
	B. T. Aspen		3	Cords		
	Mixed Hardwood		13	Cords		
	Paper Birch	Sawtimber	1.8	MBF		
	Paper Birch	Pulpwood	9	Cords		
	Red Maple		18	Cords		
	Red Pine		21	Cords		
	White Oak		13	Cords		
	White Pine		218	Cords		
	White Pine	Sawtimber	47.8	MBF		
	White Pine	Pulpwood	122	Cords	40.0	#0.004.40
3	BI/R/Hybrid Oak	Sawtimber	8.4	MBF	12.6	\$6,224.40
	Mixed Aspen		2.6	MBF		
	B. T. Aspen		2.6	MBF		
	Red Maple		2.5	MBF		
	Red Pine		2.7	MBF		
	White Oak	Dulpwood	14.3	MBF		
	Balsam Fir	Pulpwood	3	Cords		
	Balsam Fir Balaam Eir		0.8	MBF		
	Balsam Fir	Pulpwood	1	Cords		
	BI/R/Hybrid Oak		28	Cords		
	Jack Pine	Coudination	7	Cords		
	Jack Pine	Sawtimber	0.5	MBF		
	Jack Pine	Pulpwood	6	Cords		
	Mixed Aspen		3	Cords		
	B. T. Aspen		3	Cords		
	Mixed Hardwood		3	Cords		

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

-						
PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
3 con't	Black Cherry	Pulpwood	3	Cords		
	Red Maple		19	Cords		
	Red Pine		2	Cords		
	White Oak		27	Cords		
	White Pine		126	Cords		
	White Pine	Sawtimber	30.6	MBF		
	White Pine	Pulpwood	65	Cords		
		TOTAL:	163.1	MBF		
		TOTAL:	862	Cords		

Sale Specific Conditions & Requirements

Sale Name: Washtenaw Harvest

Sale Number: 71-002-20 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by red and yellow paint. 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 harvest activities may occur within these areas. 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) 2 and 3, cut all trees that are two (2) inches or more at DBH, except do not cut any green marked tree.

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

Within Payment Unit(s) 1, cut all trees that are two (2) inches or more at DBH, except do not cut any red pine, white pine or green marked trees.

2.1.15 - Hazard trees near roads (7/13)

Cut and remove all standing dead trees within one hundred (100) feet of the cleared portion of the snowmobile trail/ORV route. These trees may either be utilized or scattered back into the sale area. Any product cut from these trees will be decked separately, scaled by the sale administrator and invoiced at a rate of \$10.00 per cord.

2.2 - Utilization

2.2.9 - No chipping permitted (12/08)

Within Payment Unit(s) 2 and 3, all wood must be removed by whole tree, tree segment or roundwood. No chipping of tops or slash is permitted.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

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

- 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 white pine and red pine tree seedlings and saplings in Payment Unit 1.

Within Payment Unit 1, if more than 10% of the white pine and red pine seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the sale area are damaged, liquidated damages will be assessed at \$300 per acre for all acreage within that specified portion of the sale area that was damaged.

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

3.6 - Payment Unit Cutting Schedule

3.6.2 - One active unit (12/08)

Each Payment Unit must be completed to the satisfaction of the Unit Manager or his/her representative before the next unit may be opened.

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 either dispersed throughout the sale, utilized to close roads, or chipped and otherwise removed from the sale.

4.1.7 - Road closure (10/11)

Re-opened roads into the sale must be blocked to vehicle traffic upon completion of the sale. These roads must be rendered impassable to cars and trucks. 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. Contact the sale administrator for details of design and placement.

4.1.12 - No new roads (1/12)

No new roads will be permitted in any Payment Unit. All operations are limited to existing or closed roads.

4.2 - Maintenance

4.2.1 - Hauling restriction (12/08)

Hauling may be restricted on forest roads by the Unit Manager or their representative. The restriction may occur during spring breakup or wet weather conditions.

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.

4.2.3 - Road maintenance (8/13)

The following road maintenance may be needed: Within 60 days of completion of hauling, or if no hauling occurs for 60 days, the road must be maintained and graded. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. Damages will be assessed if grading/repair does not occur.

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

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5.2.1.8 - Slash height (12/08)
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No slash or tree tops may exceed twenty four (24) inches in height.

5.2.1.11 - Slash for reforestation (5/07)

To facilitate reforestation, the sale area 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

5.2.3.4 - Oak wilt restriction, no exceptions (1/18)

Within Payment Unit(s) 1, 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. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

5.2.4 - Dead and Down Creation

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

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

5.2.29 - Shrub protection (1/20)

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

5.2.32 - Decking/landing restoration (9/13)

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

5.2.38 - 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)

An ORV trail is shown on the Timber Sale Map. Do not cut trees or damage posts with yellow ORV markers. All stumps within five (5) feet of the trail must be cut as flush with the ground as possible. Maintain a ten (10) foot wide slash, debris and rut free zone daily using the ORV trail or route as the center-line. Do not run equipment down the ORV trail or route. Skidding across the trail or route may only occur at locations approved by the sale administrator.

5.2.41 - Snowmobile trail protection (9/11)

The forest road on the north edge of Payment Unit 1 is used 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 for hauling, it must be graded to the satisfaction of the Unit Manager or their representative prior to December 1. The snowmobile trail may not be used for any timber sale operation from December 1 to March 31. Maintain a twenty (20) foot wide slash, debris and rut free zone daily using the snowmobile trail as the center-line. No decking of forest products will be permitted along the snowmobile trail. All stumps within twenty (20) feet of the snowmobile trail must be cut as low as possible.

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 twelve (12) inches or greater in depth and fifty (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.

5.4.3 - Erosion control (12/08)

Skid trails or haul roads may require erosion control structures or berms per direction of the Unit Manager or his/her representative.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.2 - Snowmobile trail posting (8/09)

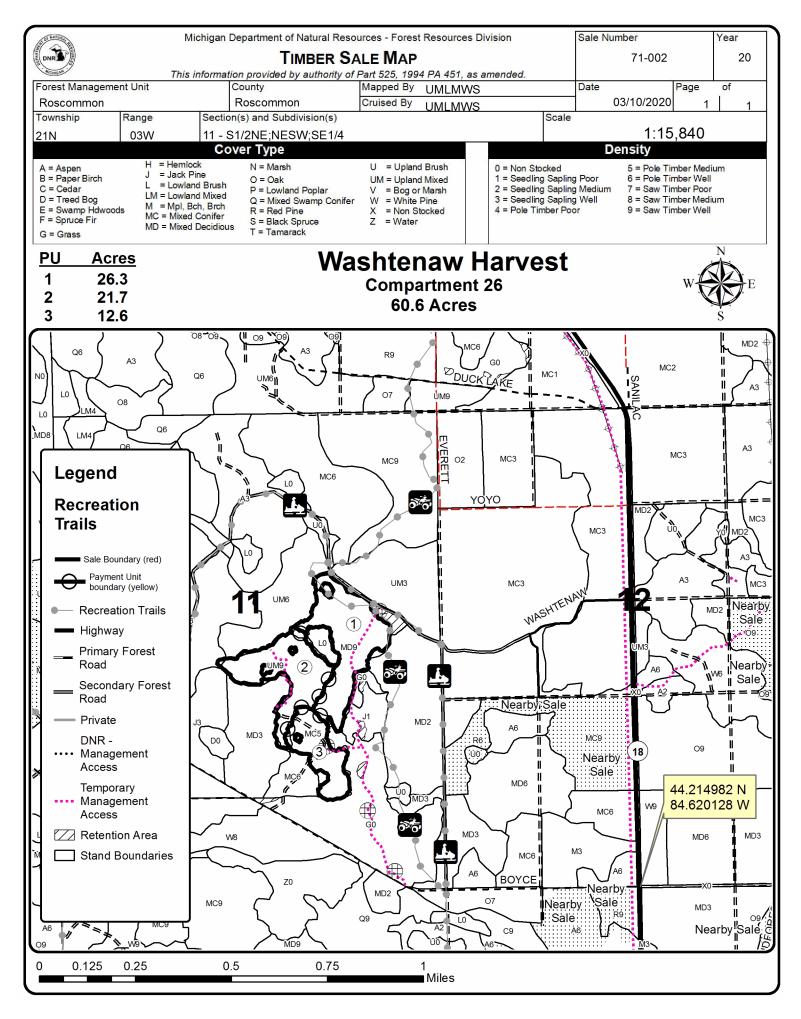
The Purchaser is responsible for posting and maintaining caution signs on the snowmobile trail prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail must be posted at appropriate distances from the sale area to warn of logging activity and truck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

6.2.3 - Recreational trail posting (2/10)

The Purchaser is responsible for posting and maintaining caution signs on the ORV 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.

Section Name: Sale Specific

Current as of 9/8/2020 1:44:17PM



TIMBER SALE INFORMATION

Mud Lake Aspen (71-009-20) T22N, R02W, SEC. 5; T22N, R02W, SEC. 6. Roscommon County (Advertised Price \$35,218.35)

SALE NOTE: To promote vigorous aspen regeneration adjacent to the Backus Creek SGA, harvesting on this sale is limited to the period of September 1st through March 31st.

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 T-Sale computer program and our traditional volume equations. Bids must be at or above the following advertised price for each product and species:

PRODUCTS & SPECIES ESTIMATED UNITS*		D UNITS*	ADVE	ERTISED PRICE
Sawtimber				
BI/R/Hybrid Oak	39.1	MBF	\$	87.00 / MBF
Mixed Aspen	153.9	MBF	\$	53.00 / MBF
Red Maple	79.0	MBF	\$	57.00 / MBF
Red Pine	11.5	MBF	\$	90.00 / MBF
White Pine	10.4	MBF	\$	44.00 / MBF
Pulpwood				
Balsam Fir	86	Cords	\$	21.60 / Cord
BI/R/Hybrid Oak	114	Cords	\$	15.15 / Cord
Mixed Aspen	445	Cords	\$	21.45 / Cord
Paper Birch	35	Cords	\$	9.30 / Cord
Red Maple	203	Cords	\$	15.15 / Cord
Red Pine	19	Cords	\$	37.55 / Cord
White Pine	20	Cords	\$	21.00 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.98 percent. There are an estimated 1,508 cords on this timber sale, plus or minus 196 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

- 1. A bond in the amount of \$1,761.00 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	38.7%			

01	30.770	
02	26.8%	
03	34.5%	

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

5. Operations on the contract issued will terminate on 03/31/2023.

SALE STATISTICS

SALE VOLUMES

VOLUME			STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM	
119,146	1,508	12.98%	1,312	1,704	

VDU VOLUMES

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

	VOLUME			RANGE II	N CORDS
VDU	TOTAL CUBIC FEET TOTAL CORDS		PERCENT ERROR	MINIMUM	MAXIMUM
162	45,954	582	26.07%	430	733
170	40,361	511	19.52%	411	611
270	8,809	112	8.72%	102	121
370	24,048	304	27.56%	221	388
TOTAL:	119,172	1,509		1,164	1,853

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
162	18.2	1	18.2
170	16.2	3	16.2
270	2.5	2	2.5
370	7.7	2	7.7
TOTAL:	44.6		44.6

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	65.0	MBF	18.2	\$13,640.8
•	B. T. Aspen		37.2	MBF	10.2	φ10,010.00
	Quaking Aspen		27.8	MBF		
	Red Maple		38.5	MBF		
	Red Pine		9.0	MBF		
	White Pine		9.0 5.4	MBF		
		Dulmurand				
	Balsam Fir	Pulpwood	46	Cords		
	Balsam Fir		46	Cords		
	Mixed Aspen		176	Cords		
	B. T. Aspen		81	Cords		
	Quaking Aspen		95	Cords		
	Paper Birch		16	Cords		
	Paper Birch		2.0	MBF		
	Paper Birch	Pulpwood	12	Cords		
	Red Maple		80	Cords		
	Red Pine		13	Cords		
	Red Pine		13	Cords		
	White Pine		16	Cords		
2	BI/R/Hybrid Oak	Sawtimber	7.0	MBF	10.2	\$9,443.8
	Mixed Aspen		49.9	MBF		
	B. T. Aspen		49.9	MBF		
	Red Maple		11.7	MBF		
	White Pine		1.3	MBF		
	Balsam Fir	Pulpwood	32	Cords		
	Balsam Fir		22	Cords		
			10	Cords		
	Black Spruce					
	BI/R/Hybrid Oak		25	Cords		
	Mixed Aspen		173	Cords		
	B. T. Aspen		173	Cords		
	Paper Birch		4	Cords		
	Paper Birch		4	Cords		
	Red Maple		40	Cords		
	White Pine		2	Cords		
3	BI/R/Hybrid Oak	Sawtimber	32.1	MBF	16.2	\$12,133.7
	Mixed Aspen		39.0	MBF		
	B. T. Aspen		39.0	MBF		
	Red Maple		28.8	MBF		
	Red Pine		2.5	MBF		
	White Pine		3.7	MBF		
	Balsam Fir	Pulpwood	8	Cords		
	Balsam Fir		8	Cords		
	Bl/R/Hybrid Oak		89	Cords		
	Mixed Aspen		96	Cords		
	B. T. Aspen		96	Cords		
	Paper Birch		15	Cords		
	Paper Birch		15	Cords		
ļ						
i	Dod Manla		83	Cords		
	Red Maple		-			
	Red Pine		6	Cords		
	Red Pine Jack Pine		4	Cords		
	Red Pine Jack Pine Red Pine		4 2	Cords Cords		
	Red Pine Jack Pine		4	Cords		
	Red Pine Jack Pine Red Pine	TOTAL:	4 2	Cords Cords		

Sale Specific Conditions & Requirements

Sale Name: Mud Lake Aspen

Sale Number: 71-009-20 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by red and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1-3, cut all trees that are two (2) inches or more at DBH, except within Payment Unit 1, leave all oak. In addition, within Payment Units 2 and 3, leave white oak.

2.1.15 - Hazard trees near roads (7/13)

Cut and remove all standing dead trees within 100 feet of the cleared portion of Mud Lake Road. These trees must be scattered back into the sale area.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

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

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

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

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.

3.6 - Payment Unit Cutting Schedule

3.6.2 - One active unit (12/08)

Each Payment Unit must be completed to the satisfaction of the Unit Manager or his/her representative before the next unit may be opened.

4 - Transportation

4.1 - Construction

4.1.3 - Slash and earthen piles (8/04)

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

4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental

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

4.1.7 - Road closure (10/11)

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

4.2 - Maintenance

4.2.1 - Hauling restriction (12/08)

Hauling may be restricted on forest roads by the Unit Manager or his/her representative. The restriction may occur during spring breakup or during wet weather conditions.

4.2.3 - Road maintenance (8/13)

The following road maintenance may be needed: Within 60 days of completion of hauling, or if no hauling occurs for 60 days, the road must be maintained and graded. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. Damages will be assessed if grading/repair does not occur.

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 using woods equipment on the county road R-O-W.

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)No slash or tree tops may exceed 24 inches in height.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16) Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

5.2.3 - Operating Restrictions

5.2.3.4 - Oak wilt restriction, no exceptions (1/18)

Within Payment Unit(s) 1, 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. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

5.2.3.11 - Coppice regeneration protection (4/10)

To promote aspen regeneration, harvesting is limited to the period of September 1st through March 31st. Timber harvesting in any Payment Unit must be completed before significant aspen sprouting occurs in that Payment Unit so as to minimize damage to the new regeneration. Any post harvest operations, such as chipping, must be completed before sprouting of regeneration occurs. If it is anticipated that chipping will be delayed, then tops shall be carried to one central location or left unchipped. The Unit Manager or his/her representative may cease such operations if sprouting occurs before the operation is complete.

5.2.4 - Dead and Down Creation

5.2.4.2 - Dead and down creation, hare and grouse (1/14)

To improve habitat for snowshoe hare, grouse, and other species, the Purchaser is to leave one slash pile on the ground for every two acres. Piles shall consist of larger diameter pieces on the ground and smaller diameter pieces on the top to create cavities. They should be scattered along the swamp edges of the sale within 100 feet of the sale boundary. Pile materials can be of any tree species and can be an un-merchantable pieces of wood or full trees.

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

Except as provided for in General Condition and Requirement 5.2.2, no dead trees, standing or down, are to be cut, skidded, or processed. Exception: See Specification 2.1.15 Hazard trees near roads.

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

To encourage grouse and other wildlife, in Payment Unit(s) 1-3, leave one, 10" or larger diameter (or largest diameter trees within stand) whole tree on the ground for every 2 acres, preferably a hardwood species such as oak or maple or if no hardwoods are present, a pine species (white or red). These trees will be evenly scattered throughout the units, preferably at least two chains from any roads, two-tracks, or trails open to vehicles.

5.2.29 - Shrub protection (1/20)

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

5.2.32 - Decking/landing restoration (9/13)

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

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

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

5.4.3 - Erosion control (12/08)

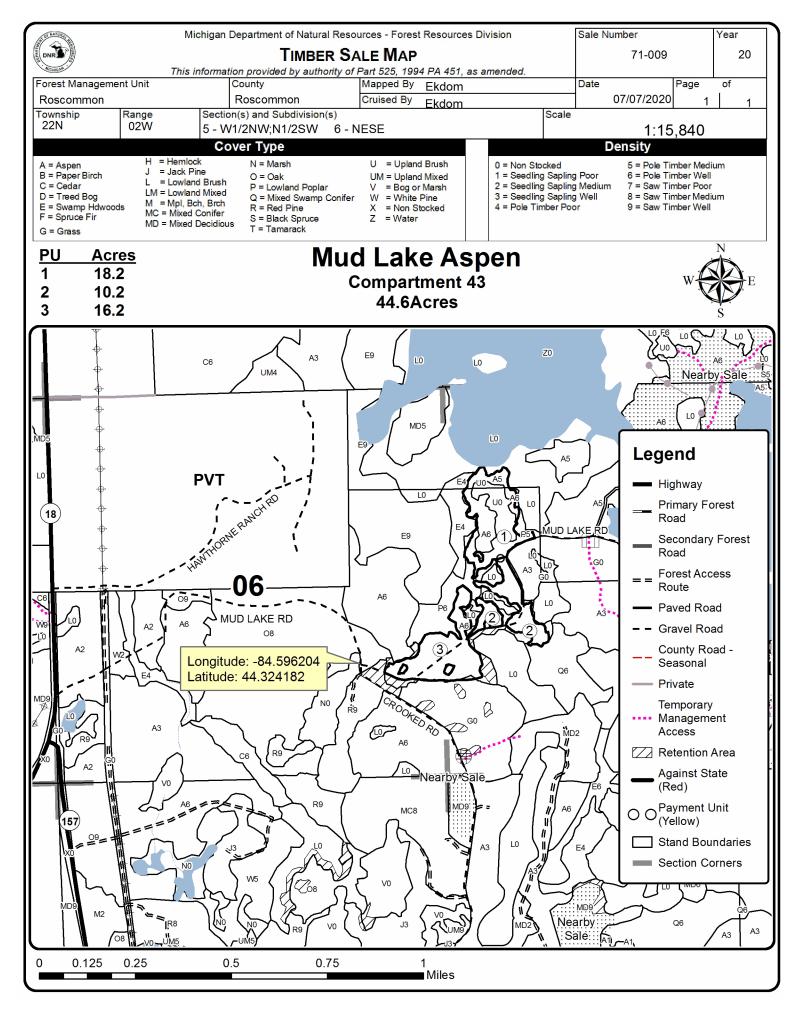
Skid trails or haul roads may require erosion control structures or berms per direction of the Unit Manager or his/her representative.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (9/09)

The Purchaser is responsible for posting and maintaining caution signs on Mud 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.



TIMBER SALE / SEALED BID STATE OF MICHIGAN / DNR

BID FORM

Mud Lake Aspen (71-009-20)

T22N, R02W, SEC. 5; T22N, R02W, SEC. 6; Roscommon COUNTY

In response to the notice of sale to be held 9:00 a.m. (local time) on November 10, 2020, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

PRODUCTS & SPECIES Sawtimber	<u>ESTIMATED</u>	VOLUME*	<u>AD\</u>	/ERTISED PRICE	BID PRICE/UNIT
BI/R/Hybrid Oak	39.1	MBF	\$	87.00/MBF	\$
Mixed Aspen	153.9	MBF	\$	53.00/MBF	\$
Red Maple	79.0	MBF	\$	57.00/MBF	\$
Red Pine	11.5	MBF	\$	90.00/MBF	\$
White Pine	10.4	MBF	\$	44.00/MBF	\$
Pulpwood					
Balsam Fir	86	Cords	\$	21.60/Cord	\$
Bl/R/Hybrid Oak	114	Cords	\$	15.15/Cord	\$
Mixed Aspen	445	Cords	\$	21.45/Cord	\$
Paper Birch	35	Cords	\$	9.30/Cord	\$
Red Maple	203	Cords	\$	15.15/Cord	\$
Red Pine	19	Cords	\$	37.55/Cord	\$
White Pine	20	Cords	\$	21.00/Cord	\$

*The volumes are statistically estimated within plus (+) or minus (-) 12.98 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

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

FEDERAL ID:	or SOCIAL SECU	URITY NUMBER:	<u> </u>
Company or individual bidding:			-
Company representative's name:			
Address:			_
City:	State:	Zip:	_

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

Individual or company representative's signature:

Phone number :

_____ Email (optional):____

Date:

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

TOF NATURAL BED	Michigan Department of Natur Forest Resources Div			FOR DEPARTMENT USE ONLY Sale Number (XX – XXX – XX – XX)			
adu Michigan - 57	TIMBER SAL	.E					
	VERIFICATION OF WORKE	R'S DISABII IT	Y	Forest Management Unit:			
	COMPENSATION ACT C			Forest Management Onit.			
		-	- d				
VEDIEL	As required by Act 317, P.A. 1969 (Work Part 5 of Act 451 of 1994, as	amended.					
	CATION OF WORKER'S DISABILIT						
sale	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:						
-	business is organized as (you must	check <u>one</u> of the	boxes below):	:			
	Sole Proprietorship (individual)						
	Partnership						
C. [Corporation						
2. You	u must check <u>one</u> of the boxes below	v:					
A. [I certify my business is a sole propriet Worker's Compensation Laws.	orship and it has no	employees but	the sole proprietor. I am not subject to the			
	Exclusion (BWC-337, Rev. 5/96). I w questions or a copy of the BWC-337,	ill provide a copy of please call the Wor	the Notice of Ex ker's Compensa	sation Act through the use of an approved Notice of xclusion within 21 days of the contract award. (For ation Bureau at 517-322-1195). an original Certificate of Insurance within twenty-			
	one (21) days of the contract award.						
	ou have checked item 2(A) or 2(B), n yourself, including family members			of both full-time and part-time employees, other ou must enter "0").			
	Full-time Er	nnlovees		Part-time Employees			
		npioyees					
Name of E	Business		Federal ID (or)	Social Security No.			
Address			Telephone				
Otto		Otata					
City		State	ZIP				
	certify that the above information is s affecting my coverage during any o			tify the Michigan DNR of any changes that occur ions.			
Signati	ure of Owner or Authorized Representative						
Title			Da	te			

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

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

TIMBER SALE / SEALED BID STATE OF MICHIGAN / DNR

BID FORM

MFL Border (71-001-20)

T21N, R03W, SEC. 12; T21N, R03W, SEC. 13; Roscommon COUNTY

In response to the notice of sale to be held 9:00 a.m. (local time) on November 10, 2020, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

PRODUCTS & SPECIES Sawtimber	<u>ESTIMATED</u>	VOLUME*	<u>A</u> [VERTISED PRICE	BID PRICE/UNIT
B. T. Aspen	68.4	MBF	\$	53.00/MBF	\$
Bl/R/Hybrid Oak	64.1	MBF	\$	87.00/MBF	\$
Red Oak	91.4	MBF	\$	121.00/MBF	\$
White Oak	5.3	MBF	\$	61.00/MBF	\$
Pulpwood					
B. T. Aspen	71	Cords	\$	21.45/Cord	\$
Jack Pine	3	Cords	\$	11.60/Cord	\$
Mixed Oak	336	Cords	\$	15.15/Cord	\$
Red Maple	106	Cords	\$	15.15/Cord	\$
Red Pine	37	Cords	\$	37.55/Cord	\$
White Pine	201	Cords	\$	21.00/Cord	\$

*The volumes are statistically estimated within plus (+) or minus (-) 13.70 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

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

FEDERAL ID:	or SOCIAL SECU	JRITY 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

NTOF NATURAL ACTION	Michigan Department of Natur Forest Resources Div			FOR DEPARTMENT USE ONLY Sale Number (XX – XXX – XX – XX)			
add Michigan - 67	TIMBER SAL	E					
	VERIFICATION OF WORKE	R'S DISABII IT	Y	Forest Management Unit:			
			•	Forest Management Onit.			
		-	- d				
	As required by Act 317, P.A. 1969 (Work Part 5 of Act 451 of 1994, as	amended.					
	ERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE						
sale	This verification must be completed and submitted within 21 days of contract award and prior to the issuance of the timber sale contract.						
	In addition, if boxes 2B or 2C are checked, then Notice of Exclusion or Certificate of Insurance must be submitted within twenty-one (21) days of the contract award and prior to the issuance of the timber sale contract.						
• All	Information must be typed or printed	except for written s	signatures.				
Please	Check Appropriate Categories:						
-	business is organized as (you must	check <u>one</u> of the	boxes below):				
	Sole Proprietorship (individual)						
	Partnership						
C. L	Corporation						
2. You	u must check <u>one</u> of the boxes below	v:					
A. [I certify my business is a sole propriet Worker's Compensation Laws.	orship and it has no	employees but	the sole proprietor. I am not subject to the			
	 B. I certify my business has satisfied its o bligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195). C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty- 						
	one (21) days of the contract award.						
	ou have checked item 2(A) or 2(B), n yourself, including family members			of both full-time and part-time employees, other u must enter "0").			
	Full-time Er	nnlovees		Part-time Employees			
		npioyees					
Name of E	Business		Federal ID (or)	Social Security No.			
Address			Telephone				
Otto		04-4-	()				
City		State	ZIP				
	v certify that the above information is rs affecting my coverage during any o			ify the Michigan DNR of any changes that occur ons.			
Signat	ure of Owner or Authorized Representative						
Title			Dat	e			
			Dat	-			

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

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

TIMBER SALE / SEALED BID STATE OF MICHIGAN / DNR

BID FORM

Washtenaw Harvest (71-002-20)

T21N, R03W, SEC. 11; T21N, R03W, SEC. 14; Roscommon COUNTY

In response to the notice of sale to be held 9:00 a.m. (local time) on November 10, 2020, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

PRODUCTS & SPECIES Sawtimber	<u>ESTIMATED</u>	VOLUME*	<u>AD\</u>	ERTISED PRICE	BID PRICE/UNIT
BI/R/Hybrid Oak	64.8	MBF	\$	87.00/MBF	\$
Mixed Aspen	15.6	MBF	\$	53.00/MBF	\$
Red Maple	29.3	MBF	\$	57.00/MBF	\$
Red Pine	28.5	MBF	\$	90.00/MBF	\$
White Oak	24.9	MBF	\$	61.00/MBF	\$
Pulpwood					
Balsam Fir	8	Cords	\$	21.60/Cord	\$
BI/R/Hybrid Oak	166	Cords	\$	15.15/Cord	\$
Jack Pine	73	Cords	\$	11.60/Cord	\$
Mixed Aspen	37	Cords	\$	21.45/Cord	\$
Mixed Hardwood	24	Cords	\$	15.15/Cord	\$
Red Maple	138	Cords	\$	15.15/Cord	\$
Red Pine	23	Cords	\$	37.55/Cord	\$
White Oak	49	Cords	\$	15.15/Cord	\$
White Pine	344	Cords	\$	21.00/Cord	\$

*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:	
	Email (antional):	

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

NOF NATURAL PESSOL	Michigan Department of Natur Forest Resources Div			FOR DEPARTMENT USE ONLY		
A DNR A	TIMBER SAL	E		Sale Number (XX – XXX – XX – XX)		
TCHIGH	VERIFICATION OF WORKE	" R'S DISABILIT	v			
	COMPENSATION ACT C		•	Forest Management Unit:		
	As required by Act 317, P.A. 1969 (Work Part 5 of Act 451 of 1994, as	er's Compensation) an	d			
VERIFIC	ATION OF WORKER'S DISABILIT		ON ACT COI	MPLIANCE		
	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 In	formation must be typed or printed	except for written s	ignatures.			
Please C	heck Appropriate Categories:					
1. Myb	usiness is organized as (you must	check <u>one</u> of the	boxes below)	:		
A. 🗆	Sole Proprietorship (individual)					
В. 🗆	Partnership					
C. 🗆	Corporation					
2. You	must check <u>one</u> of the boxes below	v:				
A. 🗆	I certify my business is a sole propriet Worker's Compensation Laws.	orship and it has no	employees but	t the sole proprietor. I am not subject to the		
В. 🗌	 B. I certify my business has satisfied its o bligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195). 					
C. 🗆	l certify my business has a Worker's C one (21) days of the contract award.	Compensation Policy	. I will provide	an original Certificate of Insurance within twenty-		
	u have checked item 2(A) or 2(B), yourself, including family members			r of both full-time and part-time employees, other ou must enter "0").		
	Full-time Er	nployees		Part-time Employees		
Name of Dec						
Name of Bu	Siriess		rederar ID (or)	Social Security No.		
Address			Telephone			
			()			
City		State	ZIP			
l hereby c	pertify that the above information is	true and correct	Lagree to po	tify the Michigan DNR of any changes that occur		
	affecting my coverage during any o					
Signatur	e of Owner or Authorized Representative					
Olgriatur	e of owner of Autionzed Representative					
Title			Da	ite		

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

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