

# DEPARTMENT OF NATURAL RESOURCES STATE OF MICHIGAN

# TIMBER SALE PROSPECTUS #6880

<u>SCHEDULED SALE DATE AND TIME:</u> 4:00 p.m. (local time) on August 12, 2021. <u>LOCATION:</u> TRAVERSE CITY MGMT UNIT, 2122 M 37 SOUTH, TRAVERSE CITY, MI 49685.

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

<u>Flare Up Aspen</u> (61-013-21) / T26N, R10W, SEC. 28, SWNW,NWSW. T26N, R10W, SEC. 29, S1/2NW,SWSW,N1/2SE,SWSE. T26N, R10W, SEC. 30, S1/2SE. T26N, R10W, SEC. 31, N1/2NE. T26N, R10W, SEC. 32, NW,NE. Grand Traverse County, Advertised Price \$75,265.05, 142.4 Acres, Aspen, Hardwood.

<u>Seven Below Red Pine</u> (61-015-21) / T24N, R14W, SEC. 14, NWNW,S1/2NW. Manistee County, Advertised Price \$20,361.50, 32.8 Acres, Red Pine.

Resinosa Maximus (61-016-21) / T24N, R14W, SEC. 15, SESW. T24N, R14W, SEC. 22, NENW,SWNW,NWNE,NWSW. Manistee County, Advertised Price \$35,104.70, 49.8 Acres, Red Pine, Hardwood.

Lochness Aspen (61-017-21) / T24N, R14W, SEC. 14, W1/2NW. Manistee County, Advertised Price \$11,336.65, 17.3 Acres, Aspen, Hardwood.

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

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

Bids must be received by the Unit Manager, TRAVERSE CITY OFFICE, 2122 M 37 South, Traverse City, MI 49685, no later than 4:00 p.m. (local time) on August 12, 2021. For further information concerning this sale, contact David Lemmien at 231-922-6040.

## 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

#### Flare Up Aspen (61-013-21)

T26N, R10W, SEC. 28; T26N, R10W, SEC. 29; T26N, R10W, SEC. 30; T26N, R10W, SEC. 31; T26N, R10W, SEC. 32. Grand Traverse County (Advertised Price \$75,265.05)

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

PRODUCTS & SPECIES	ESTIMATED UNITS*		ADV	ERTISED PRICE
Sawtimber				
Mixed Aspen	314.5	MBF	\$	90.00 / MBF
Red Maple	55.9	MBF	\$	118.00 / MBF
Red Oak	9.2	MBF	\$	118.00 / MBF
Red Pine	35.5	MBF	\$	80.00 / MBF
Sugar Maple	1.3	MBF	\$	169.00 / MBF
White Pine	20.9	MBF	\$	37.00 / MBF
Pulpwood				
Balsam Fir	1	Cords	\$	7.75 / Cord
Mixed Aspen	1,929	Cords	\$	12.65 / Cord
Mixed Hardwood	506	Cords	\$	12.45 / Cord
Red Oak	23	Cords	\$	12.25 / Cord
Red Pine	76	Cords	\$	27.65 / Cord
White Pine	173	Cords	\$	13.60 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 4.49 percent. There are an estimated 3,679 cords on this timber sale, plus or minus 165 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

#### BOND AND PAYMENT SCHEDULE:

- 1. A bond in the amount of \$3,763.00 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	3.0%
02	11.5%
03	9.4%
04	18.3%
05	8.7%
06	8.1%
07	11.7%
08	29.3%

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

5. Operations on the contract issued will terminate on 09/30/2023.

#### SALE STATISTICS

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

#### SALE VOLUMES

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

VOLUME		VOLUME		ANGE IN CORDS
TOTAL CUBIC FEET	TOTAL CORDS PERCENT ERROR MIN		MINIMUM	MAXIMUM
290,632	3,679	4.49%	3,513	3,844

#### **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
112	26,303	333	14.91%	283	383
123	6,864	87	7.59%	80	93
127	21,584	273	8.62%	250	297
136	32,661	413	16.04%	347	480
144	127,993	1,620	8.27%	1,486	1,754
146	52,820	669	9.36%	606	731
156	78,739	997	10.09%	896	1,097
TOTAL:	346,965	4,392		3,949	4,835

## VDU TO PAYMENT UNIT

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

TOTAL:	142.4		142.4
156	25.7	8	25.7
146	22.2	4	22.2
		7	25.2
144	42.7	6	17.5
136	15.3	2	15.3
127	19.9	3	19.9
123	3.8	1	3.8
112	12.8	5	12.8
VDU	VDU ACRES	PU	PU ACRES

# DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	3.9	MBF	3.8	\$2,252.65
	B. T. Aspen		3.9	MBF		
	Red Maple		9.7	MBF		
	White Pine		1.2	MBF		
	Balsam Fir	Pulpwood	1	Cords		
	Mixed Aspen		4	Cords		
	B. T. Aspen		4	Cords		
	Mixed Hardwood		46	Cords		
	Paper Birch		3	Cords		
	Red Maple		43	Cords		
	White Pine		6	Cords		
2	Mixed Aspen	Sawtimber	36.2	MBF	15.3	\$8,632.45
	B. T. Aspen		36.2	MBF		¥ - )
	Red Maple		11.9	MBF		
	Mixed Aspen	Pulpwood	118	Cords		
	B. T. Aspen		118	Cords		
	Mixed Hardwood		199	Cords		
	Beech		133	Cords		
	Black Cherry		7	Cords		
	Red Maple		, 174	Cords		
	Sugar Maple		6	Cords		
3	Mixed Aspen	Sawtimber	7.1	MBF	19.9	\$7,048.15
3	-	Sawumber	7.1		19.9	¢7,040.15
	B. T. Aspen			MBF		
	Red Pine		35.5	MBF		
	White Pine	Deducerad	2.5	MBF		
	Mixed Aspen	Pulpwood	90	Cords		
	B. T. Aspen		90	Cords		
	Mixed Hardwood		7	Cords		
	Red Maple		7	Cords		
	Red Pine		76	Cords		
	White Pine		11	Cords		
4	Mixed Aspen	Sawtimber	66.9	MBF	22.2	\$13,787.05
	B. T. Aspen		66.9	MBF		
	Red Maple		7.4	MBF		
	Sugar Maple		1.3	MBF		
	White Pine		8.4	MBF		
	Mixed Aspen	Pulpwood	336	Cords		
	B. T. Aspen		289	Cords		
	Quaking Aspen		47	Cords		
	Mixed Hardwood		103	Cords		
	Beech		17	Cords		
	Black Cherry		28	Cords		
	Red Maple		53	Cords		
	Sugar Maple		5	Cords		
	White Pine		61	Cords		
5	Mixed Aspen	Sawtimber	20.4	MBF	12.8	\$6,516.80
	B. T. Aspen		20.4	MBF		
	Red Oak		9.2	MBF		
	White Pine		8.8	MBF		
	Mixed Aspen	Pulpwood	183	Cords		
	B. T. Aspen		183	Cords		
	Mixed Hardwood		18	Cords		
	Red Maple		18	Cords		
	Red Oak		23	Cords		
	White Pine		33	Cords		
6	Mixed Aspen	Sawtimber	26.1	MBF	17.5	\$6,129.45
U			20.1			<b>Φ</b> 0, 129.45

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
6 con't	B. T. Aspen	Sawtimber	26.1	MBF		
	Red Maple		2.5	MBF		
	Mixed Aspen	Pulpwood	227	Cords		
	B. T. Aspen		207	Cords		
	Quaking Aspen		20	Cords		
	Mixed Hardwood		22	Cords		
	Black Cherry		11	Cords		
	Red Maple		11	Cords		
	White Pine		25	Cords		
7	Mixed Aspen	Sawtimber	37.5	MBF	25.2	\$8,837.75
	B. T. Aspen		37.5	MBF		
	Red Maple		3.6	MBF		
	Mixed Aspen	Pulpwood	326	Cords		
	B. T. Aspen		298	Cords		
	Quaking Aspen		28	Cords		
	Mixed Hardwood		33	Cords		
	Black Cherry		16	Cords		
	Red Maple		17	Cords		
	White Pine		37	Cords		
8	Mixed Aspen	Sawtimber	116.4	MBF	25.7	\$22,060.7
	B. T. Aspen		114.1	MBF		
	Quaking Aspen		2.3	MBF		
	Red Maple		20.8	MBF		
	Mixed Aspen	Pulpwood	645	Cords		
	B. T. Aspen		640	Cords		
	Quaking Aspen		5	Cords		
	Mixed Hardwood		78	Cords		
	Black Cherry		22	Cords		
	Red Maple		56	Cords		
		TOTAL:	437.3	MBF		
		TOTAL:	2,708	Cords		

#### Sale Specific Conditions & Requirements

Sale Number: 61-013-21 Seg#: 1

#### Sale Name: Flare Up Aspen

## 1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

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

#### 2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 2, and 4 - 8, cut all trees that are two (2) inches or more at DBH, with the following exceptions: Within Payment Units 2, 8: do not cut any oak, conifer, or yellow birch;

Within Payment Units 4, 6, 7: do not cut any white pine >18" at DBH, or any oak or red pine;

Within Payment Unit 5: do not cut any white pine >18" at DBH; any red oak >18" at DBH, or any white oak or red pine.

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

Within Payment Unit(s) 1, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut any yellow birch, oak, red pine, cedar, or any trees marked with green paint. Sapling trees may only be cut as necessary to facilitate harvest of Designated Timber.

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

Within Payment Unit(s) 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 >3" at DBH unless marked with green paint.

## 2.2 - Utilization

2.2.4 - Skidding length (2/14)

Within Payment Units 1 and 3, skidding of unlimbed tops or lengths over 17 feet is not permissible unless approved by the Unit Manager or his/her representative.

#### 3 - Payments

3.6 - Payment Unit Cutting Schedule

3.6.3 - Operating schedule (12/08)

Unless changed by written agreement, only 2 Payment Unit(s) may be operated at any one time. All contractual requirements on a Payment Unit shall be completed and accepted by the Unit Manager or his/her representative prior to the opening of an additional Payment Unit.

## 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.

4.1.7 - Road closure (10/11)

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

4.2.5 - 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.

## 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 pipeline R.O.W. for operations. Contact Karla Shawhan-Bonnee of DTE Energy at 231-590-0126. The Purchaser is also responsible for contacting MISS DIG for any necessary buried utility location.

## 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.

## 5.2.3 - Operating Restrictions

## 5.2.3.3 - Bark slippage restriction (3/09)

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

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

Within all Payment Units 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.

#### 5.2.3.6 - 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.

#### 5.2.4 - Dead and Down Creation

5.2.4.1 - Dead and down creation, marked trees (10/13)

All trees marked with an orange "X" must be felled and left on site for wildlife. Either cut these trees at 4 feet above ground level and place the cut trunk against the resulting high stump or cut at ground level and place the cut trunk against a small nearby tree retained for this purpose.

## 5.2.22 - Operating Caution

## 5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 1, 3 and 4, cutting and skidding occur during dry summer or frozen winter conditions. The reason for the recommendation is because these Payment Units are wetland areas and have some low ground that may sometimes have saturated soil. It is up to the operator to avoid operating in conditions or using methods that may result in excessive soil rutting or compaction.

#### 5.2.37 - No decking areas (12/08)

No decking is allowed within 50 feet of the pipeline corridor without permission of DTE Energy.

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

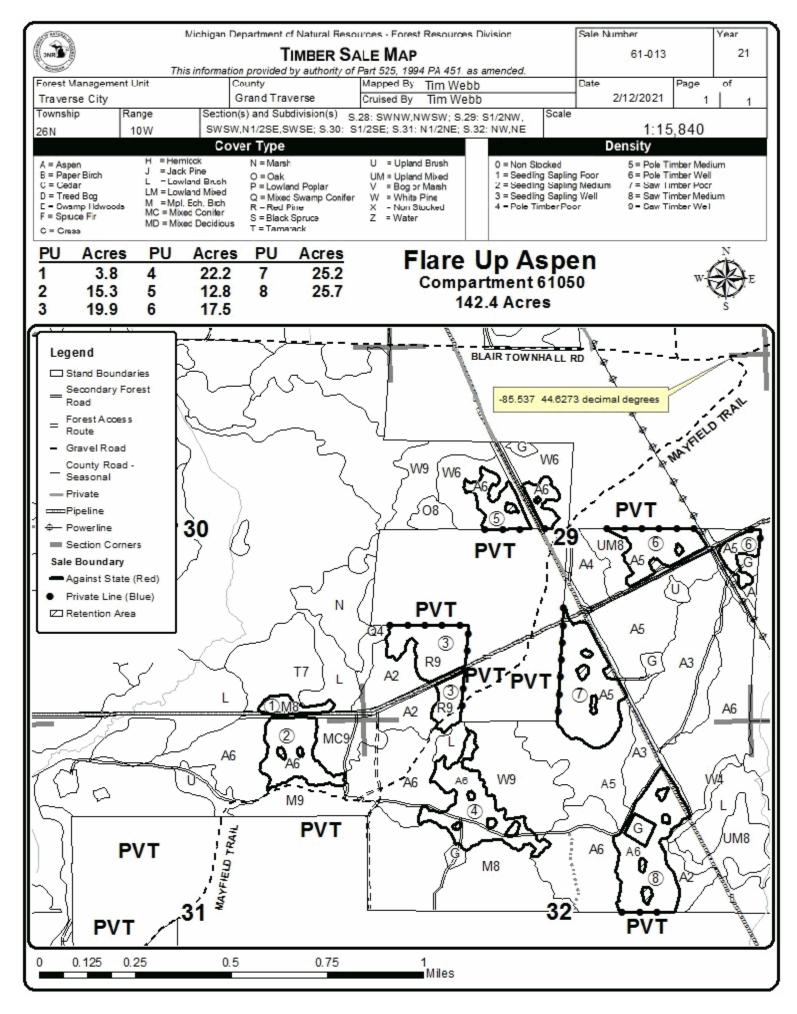
Cut products may not be decked against unmarked or designated leave trees.

#### **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 Mayfield Trail 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.



# TIMBER SALE INFORMATION

#### Seven Below Red Pine (61-015-21) T24N, R14W, SEC. 14. Manistee County (Advertised Price \$20,361.50)

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

PRODUCTS & SPECIES	ESTIMATED UNITS*		ESTIMATED UNITS* ADVERT		ERTISED PRICE
Sawtimber					
Red Pine	50.6 MBF	\$	80.00 / MBF		
Pulpwood					
Red Pine	590 Cords	\$	27.65 / Cord		

\* The total volume is statistically estimated within plus (+) or minus (-) 5.75 percent. There are an estimated 709 cords on this timber sale, plus or minus 41 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 \$1,018.00 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 remainder is due before cutting begins.

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(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

100.0%

- 4. If no cutting takes place, the 10% down payment will not be refunded.
- 5. Operations on the contract issued will terminate on 09/30/2023.

#### SALE STATISTICS

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

#### SALE VOLUMES

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

VOLUME		VOLUME STATISTIC		STATISTICAL RA	ANGE IN CORDS
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	R MINIMUM MAXIMU		
55,984	709	5.75%	668	749	

#### **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
24	54,619	691	5.75%	652	731
TOTAL:	54,619	691		652	731

#### 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
24	32.8	1	32.8
TOTAL:	32.8		32.8

# DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Sawtimber	50.6	MBF	32.8	\$20,361.50
	Red Pine	Pulpwood	590	Cords		
	TOTAL:		50.6	MBF		
		TOTAL:	590	Cords		

## Sale Name: Seven Below Red Pine

Sale Number: 61-015-21 Seq#: 1

## 1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue, red, and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. The small sub-unit boundary is marked with yellow paint. This is not a separate Payment Unit. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Yellow painted trees designating the sub-unit boundary are not designated for cutting and should be left.

## 2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, all red pine within the small sub-unit delineated with yellow paint and identified on the Timber Sale Map are to be harvested.

## 2.2 - Utilization

## 2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 6 inches for all trees. This is to more easily facilitate potential future planting operations.

## 2.2.5 - Limbed tree skidding (1/09)

The skidding of whole trees or tree segments with limbs attached is prohibited unless approved by the Unit Manager or his/her representative.

#### 3 - Payments

#### 3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 1 may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. 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 10% 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

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4.1.11 - Permits (2/12)
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The Purchaser will secure any necessary permits that may be required.

## 4.1.12 - No new roads (1/12)

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

#### 4.4 - Access

#### 4.4.1 - Private property access (3/11)

Permission for access across private land is the responsibility of the Purchaser. Should the Purchaser desire to cross private land to the north using the 2-track to access Springdale Road, a copy of the written permission from the private land-owner may be required by the DNR. A copy of the written permission from the private landowner must be given to the Unit Manager within 30 days of the bid opening and prior to the beginning of operations.

#### 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

## 5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1, 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.

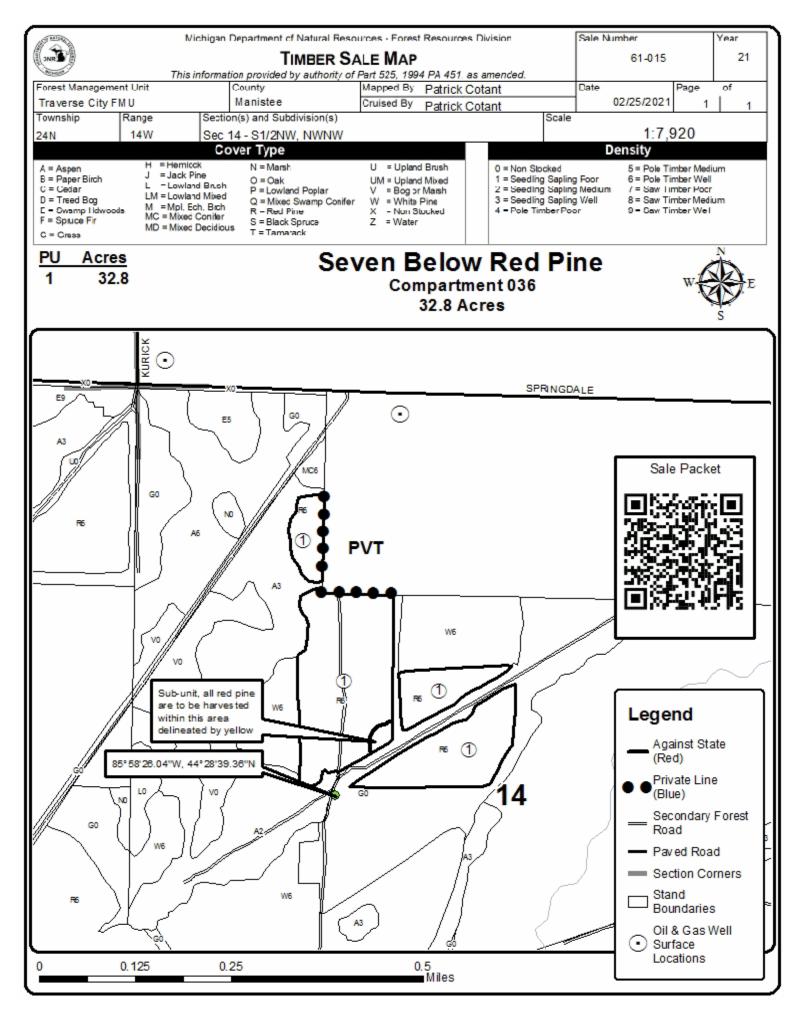
## 5.2.3.6 - Bark beetle restriction (12/08)

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.

## 5.4 - 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.



# TIMBER SALE INFORMATION

#### Resinosa Maximus (61-016-21) T24N, R14W, SEC. 15; T24N, R14W, SEC. 22. Manistee County (Advertised Price \$35,104.70)

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

PRODUCTS & SPECIES	ESTIMATED UNITS*		ADVERTISED PRICE	
Sawtimber				
Red Pine	157.7	MBF	\$	80.00 / MBF
Pulpwood				
Jack Pine	25	Cords	\$	8.25 / Cord
Mixed Hardwood	48	Cords	\$	12.45 / Cord
Quaking Aspen	12	Cords	\$	12.65 / Cord
Red Oak	4	Cords	\$	12.25 / Cord
Red Pine	777	Cords	\$	27.65 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 5.86 percent. There are an estimated 1,210 cords on this timber sale, plus or minus 71 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 \$1,755.00 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	86.2%
02	13.8%

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

5. Operations on the contract issued will terminate on 09/30/2023.

#### 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 RA	ANGE IN CORDS
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
95,588	1,210	5.86%	1,139	1,281

#### **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	
9	50,439	638	6.87%	595	682
21	13,041	165	19.50%	133	197
47	14,712	186	21.38%	146	226
49	15,125	191	8.67%	175	208
TOTAL:	93,318	1,181		1,049	1,314

#### 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
9	26.8	1	26.8
21	6.6	1	6.6
47	8.9	2	8.9
49	7.5	1	7.5
TOTAL:	49.8		49.8

## DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PL	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Sawtimber	124.3	MBF	40.9	\$30,266.90
	Mixed Hardwood	Pulpwood	20	Cords		
	Black Cherry	Sawtimber	6.5	MBF		
	Black Cherry	Pulpwood	7	Cords		
	Red Pine		726	Cords		
2	Red Pine	Sawtimber	33.4	MBF	8.9	\$4,837.80
	Jack Pine	Pulpwood	25	Cords		
	Jack Pine	Sawtimber	1.1	MBF		
	Jack Pine	Pulpwood	23	Cords		
	Mixed Hardwood		28	Cords		
	Beech		3	Cords		
	Red Maple		25	Cords		
	Quaking Aspen		12	Cords		
	Red Oak		4	Cords		
	Red Oak	Sawtimber	1.7	MBF		
	Red Oak	Pulpwood	1	Cords		
	Red Pine		51	Cords		
		TOTAL:	157.7	MBF		
		TOTAL:	866	Cords		

#### Sale Specific Conditions & Requirements

#### Sale Name: Resinosa Maximus

Sale Number: 61-016-21 Seq#: 1

#### 1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue, red, and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries and sub-unit (see map) 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 (if marked with orange paint). Yellow painted trees delineating sub-unit boundaries are not to be harvested.

## 2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within sub-unit's 1A & 1B, all red pine is to be harvested and utilized, regardless of merchantability. This sub-units surround small bark beetle pockets where mortality has yet to set in but red pine are declining.

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

Within Payment Unit(s) 2, all trees greater than 5" at DBH are designated for cutting, except trees marked with green paint above and below stump height and all sugar maple. In addition, all aspen regardless of merchantability are to be harvested.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 6 inches for all trees. This is to facilitate future planting operations more efficiently.

#### 2.2.6 - Roundwood operation required (5/07)

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

#### 4 - Transportation

4.1 - Construction

4.1.11 - Permits (2/12)

The Purchaser will secure any necessary permits that may be required.

4.1.12 - No new roads (1/12)

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

#### 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.

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## 5.2.3 - Operating Restrictions

#### 5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1 & 2, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

## 5.2.3.6 - 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.

## 5.2.29 - Shrub protection (1/20)

Do not cut or damage hawthorn, witch-hazel, or juneberry within Payment Unit 2. These woody-shrub plants are highly beneficial to various wildlife species.

## 5.4 - Soil Protection

## 5.4.1 - Rutting restriction, general (7/16)

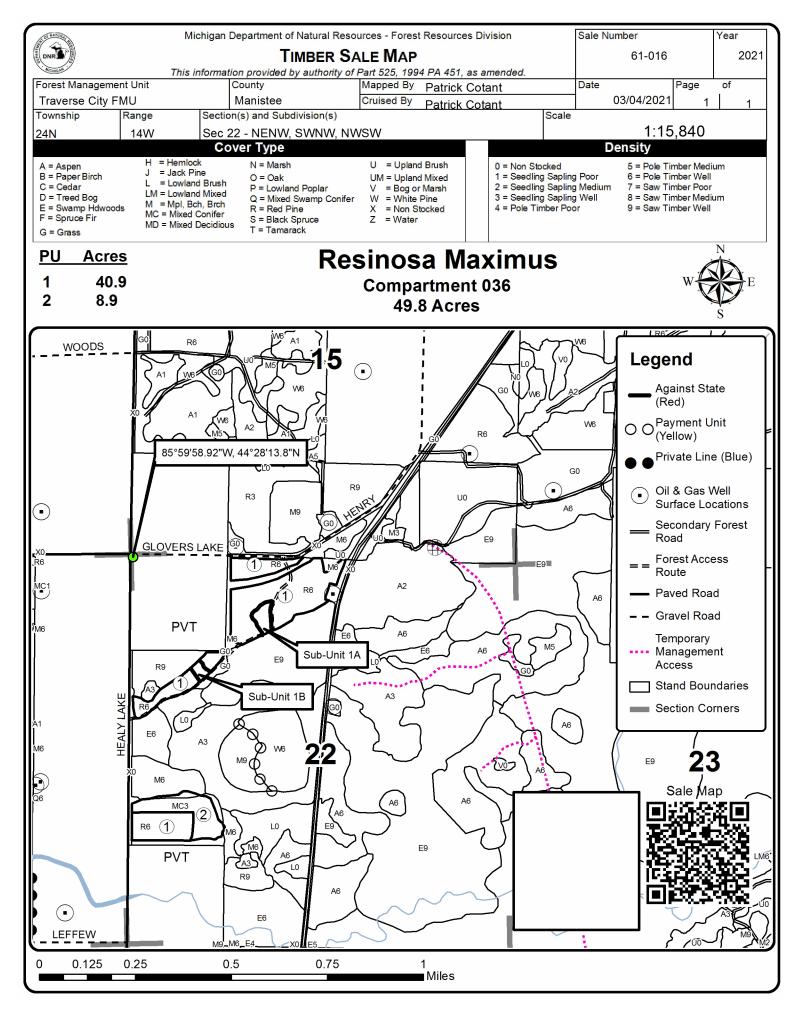
Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With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

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



# TIMBER SALE INFORMATION

#### Lochness Aspen (61-017-21) T24N, R14W, SEC. 14. Manistee County (Advertised Price \$11,336.65)

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

PRODUCTS & SPECIES	ESTIMATED UNITS*		ADV	ADVERTISED PRICE		
Sawtimber						
B. T. Aspen	44.4	MBF	\$	90.00 / MBF		
Red Maple	6.0	MBF	\$	118.00 / MBF		
Pulpwood						
B. T. Aspen	482	Cords	\$	12.65 / Cord		
Mixed Hardwood	43	Cords	\$	12.45 / Cord		

\* The total volume is statistically estimated within plus (+) or minus (-) 9.73 percent. There are an estimated 653 cords on this timber sale, plus or minus 64 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 \$567.00 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 remainder is due before cutting begins.

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- (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

100.0%

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

5. Operations on the contract issued will terminate on 09/30/2023.

#### 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 CORD		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM	
51,607	653	9.73%	590	717	

#### **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
3	49,367	625	9.74%	564	686
TOTAL:	49,367	625		564	686

## VDU TO PAYMENT UNIT

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

VDU	VDU ACRES	PU	PU ACRES
3	17.3	1	17.3
TOTAL:	17.3		17.3

## DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	44.4	MBF	17.3	\$11,336.65
	Red Maple		6.0	MBF		
	B. T. Aspen	Pulpwood	482	Cords		
	Mixed Hardwood		43	Cords		
	Black Cherry	Sawtimber	2.3	MBF		
	Sugar Maple		2.7	MBF		
	Black Cherry	Pulpwood	4	Cords		
	Red Maple		27	Cords		
	Sugar Maple		2	Cords		
		TOTAL:	50.4	MBF		
ΤΟΤΑ		TOTAL:	525	Cords		

Sale Number: 61-017-21 Seg#: 1

## Sale Name: Lochness Aspen

#### 1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue and red paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. The painted boundary line trees are not Included Timber and are to be protected.

## 2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut any conifers. In addition, do not cut any trees marked with green paint.

## 2.2 - Utilization

2.2.3 - Stump heights (4/07)

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

## 4 - Transportation

- 4.1 Construction
  - 4.1.11 Permits (2/12)

The Purchaser will secure any necessary permits that may be required.

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4.1.12 - No new roads (1/12)
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No new roads will be permitted in any Payment Unit. All operations are limited to existing roads. Skid trails only will be allowed.

## 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 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.

## 5.2.4 - 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 10-inch diameter or larger log size pieces on the ground for every two acres. They should be scattered throughout the Sale Area. If possible, the logs or trees should be felled so they overlap. Note these pieces should have a minimum length of eight feet and a maximum length of twelve feet. They can be of any tree species and can be an un-merchantable piece of wood.

#### 5.2.29 - Shrub protection (1/20)

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

#### 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.

## 5.4.6 - Wet area protection (5/10)

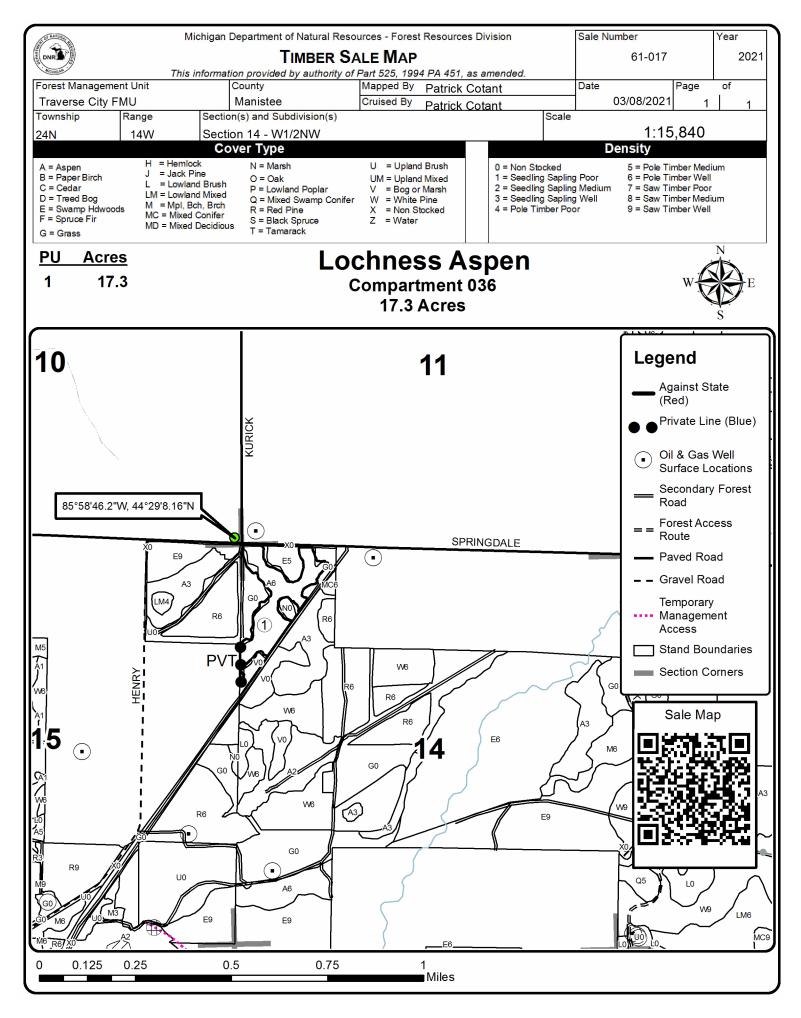
No harvesting operations, including skidding and felling, are to take place within the vernal pond areas or drainages that have been excluded from the Sale Area by the red boundary line. When harvesting occurs, there should be no disturbance to vernal pond depressions. All equipment, trees and tops should be kept out of these areas. Within 100 feet of the pond, equipment should only be used when the soil is in a dry or frozen condition. Care must be taken by the Purchaser to identify and avoid operating in these areas of the timber sale. In addition, no equipment is to be parked within 100' of these wet areas and landing areas must be located greater than 250' from any lowland area.

#### 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 Springdale 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.



#### TIMBER SALE / SEALED BID STATE OF MICHIGAN / DNR

#### **BID FORM**

Flare Up Aspen (61-013-21)

## T26N, R10W, SEC. 28; T26N, R10W, SEC. 29; T26N, R10W, SEC. 30; T26N,

In response to the notice of sale to be held 4:00 p.m. (local time) on August 12, 2021, 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	<b>ESTIMATED</b>	VOLUME*	<u>AD</u>	VERTISED PRICE	<b>BID PRICE/UNIT</b>
Mixed Aspen	314.5	MBF	\$	90.00/MBF	\$
Red Maple	55.9	MBF	\$	118.00/MBF	\$
Red Oak	9.2	MBF	\$	118.00/MBF	\$
Red Pine	35.5	MBF	\$	80.00/MBF	\$
Sugar Maple	1.3	MBF	\$	169.00/MBF	\$
White Pine	20.9	MBF	\$	37.00/MBF	\$
Pulpwood					
Balsam Fir	1	Cords	\$	7.75/Cord	\$
Mixed Aspen	1,929	Cords	\$	12.65/Cord	\$
Mixed Hardwood	506	Cords	\$	12.45/Cord	\$
Red Oak	23	Cords	\$	12.25/Cord	\$
Red Pine	76	Cords	\$	27.65/Cord	\$
White Pine	173	Cords	\$	13.60/Cord	\$
1					

\*The volumes are statistically estimated within plus (+) or minus (-) 4.49 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 SEC	URITY 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:

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	e contract.		-	tract award and prior to the issuance of the timber
	Iddition, if boxes 2B or 2C are check nty-one (21) days of the contract awa			Certificate of Insurance must be submitted within e timber sale contract.
• All	Information must be typed or printed	except for written	signatures.	
Please	Check Appropriate Categories:			
-	business is organized as (you <b>must</b>	check <u>one</u> of the	boxes below):	:
	Sole Proprietorship (individual)			
	Partnership			
C. [	Corporation			
2. You	u <b>must</b> 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 <b>both</b> 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**

## Seven Below Red Pine (61-015-21) T24N, R14W, SEC. 14; Manistee COUNTY

In response to the notice of sale to be held 4:00 p.m. (local time) on August 12, 2021, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

PRODUCTS & SPECIES Sawtimber	ESTIMATED VOLUME*	ADVERTISED PRICE	<b>BID PRICE/UNIT</b>
Red Pine	50.6 MBF	\$ 80.00/MBF	\$
Pulpwood Red Pine	590 Cords	\$ 27.65/Cord	\$

\*The volumes are statistically estimated within plus (+) or minus (-) 5.75 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		··
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:\_\_\_\_

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	e contract.		-	tract award and prior to the issuance of the timber
	Iddition, if boxes 2B or 2C are check nty-one (21) days of the contract awa			Certificate of Insurance must be submitted within e timber sale contract.
• All	Information must be typed or printed	except for written	signatures.	
Please	Check Appropriate Categories:			
-	business is organized as (you <b>must</b>	check <u>one</u> of the	boxes below):	:
	Sole Proprietorship (individual)			
	Partnership			
C. [	Corporation			
2. You	u <b>must</b> check <u>one</u> of the boxes below	v:		
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	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 <b>both</b> 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**

#### Resinosa Maximus (61-016-21)

# T24N, R14W, SEC. 15; T24N, R14W, SEC. 22; Manistee COUNTY

In response to the notice of sale to be held 4:00 p.m. (local time) on August 12, 2021, 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>	VERTISED PRICE	<b>BID PRICE/UNIT</b>
Red Pine	157.7	MBF	\$	80.00/MBF	\$
Pulpwood					
Jack Pine	25	Cords	\$	8.25/Cord	\$
Mixed Hardwood	48	Cords	\$	12.45/Cord	\$
Quaking Aspen	12	Cords	\$	12.65/Cord	\$
Red Oak	4	Cords	\$	12.25/Cord	\$
Red Pine	777	Cords	\$	27.65/Cord	\$

\*The volumes are statistically estimated within plus (+) or minus (-) 5.86 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 SECU	RITY 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:

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 ARESOUR	Michigan Department of Natura Forest Resources Divis			FOR DEPARTMENT USE ONLY Sale Number (XX – XXX – XX – XX)
auto - Michigan - 50	TIMBER SAL	E	ľ	
	VERIFICATION OF WORKER	R'S DISABILITY		Forest Management Unit:
	COMPENSATION ACT C			orest Management Onit.
	As required by Act 317, P.A. 1969 (Worke	-		
VEDIEIC	Part 5 of Act 451 of 1994, as	amended.		
sale	contract.		-	act award and prior to the issuance of the timber
	Idition, if boxes 2B or 2C are checke ity-one (21) days of the contract awar			Certificate of Insurance must be submitted within timber sale contract.
All Ir	nformation must be typed or printed e	except for written sig	gnatures.	
Please (	Check Appropriate Categories:			
-	pusiness is organized as (you <b>must</b>	check <u>one</u> of the b	oxes below):	
	Sole Proprietorship (individual)			
	Partnership			
C. L	Corporation			
2. You	must check one of the boxes below	r:		
A. 🗆	I certify my business is a sole proprieto Worker's Compensation Laws.	orship and it has no e	mployees but t	he sole proprietor. I am not subject to the
	Exclusion (BWC-337, Rev. 5/96). I will questions or a copy of the BWC-337, J	I provide a copy of the please call the Worke	e Notice of Exc er's Compensat	ation Act through the use of an approved Notice of clusion within 21 days of the contract award. (For ion Bureau at 517-322-1195). n original Certificate of Insurance within twenty-
				of <b>both</b> full-time and part-time employees, other I must enter "0").
	Full-time Err	iployees		Part-time Employees
Name of Bu	usiness		Federal ID (or) S	ocial Security No.
Address			Telephone	
			( )	
City		State	ZIP	
in factors	certify that the above information is a affecting my coverage during any o			y the Michigan DNR of any changes that occur ns.
2.9/14/0				
Title			Date	

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

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

#### TIMBER SALE / SEALED BID STATE OF MICHIGAN / DNR

#### **BID FORM**

## Lochness Aspen (61-017-21) T24N, R14W, SEC. 14; Manistee COUNTY

In response to the notice of sale to be held 4:00 p.m. (local time) on August 12, 2021, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

PRODUCTS & SPECIES Sawtimber	ESTIMATED \	VOLUME*	<u>AD</u>	VERTISED PRICE	BID PRICE/UNIT
B. T. Aspen	44.4	MBF	\$	90.00/MBF	\$
Red Maple	6.0	MBF	\$	118.00/MBF	\$
Pulpwood					
B. T. Aspen	482	Cords	\$	12.65/Cord	\$
Mixed Hardwood	43	Cords	\$	12.45/Cord	\$

\*The volumes are statistically estimated within plus (+) or minus (-) 9.73 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	RITY 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

TOF NATURAL ARESOUR	Michigan Department of Natura Forest Resources Divis			FOR DEPARTMENT USE ONLY Sale Number (XX – XXX – XX – XX)
auto - Michigan - 50	TIMBER SAL	E	ľ	
	VERIFICATION OF WORKER	R'S DISABILITY		Forest Management Unit:
	COMPENSATION ACT C			orest Management Onit.
	As required by Act 317, P.A. 1969 (Worke	-		
VEDIEIC	Part 5 of Act 451 of 1994, as	amended.		
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	Partnership			
C. L	Corporation			
2. You	must check one of the boxes below	r:		
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	Full-time Err	iployees		Part-time Employees
Name of Bu	usiness		Federal ID (or) S	ocial Security No.
Address			Telephone	
			( )	
City		State	ZIP	
in factors	certify that the above information is a affecting my coverage during any o			y the Michigan DNR of any changes that occur ns.
2.9/14/0				
Title			Date	

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