

DEPARTMENT OF NATURAL RESOURCES STATE OF MICHIGAN <u>TIMBER SALE PROSPECTUS #6954</u>

SCHEDULED SALE DATE AND TIME: 4:00 p.m. (local time) on May 24, 2022. LOCATION: TRAVERSE CITY MGMT UNIT, 2122 M 37 SOUTH, TRAVERSE CITY, MI 49685.

<u>PROSPECTUS NOTE</u>: Effective immediately: all bid openings for the Traverse City Management (Kalkaska Field Office and Traverse City Field Office) will be held at the Traverse City Field Office regardless of sale location within the unit. All payments will now be handled through the Traverse City Field Office . The Kalkaska Field Office will no longer accept payments or hard paper copies of timber sale bids. Payments for all contracts, use permits, bonds, etc. should be sent to the Traverse City Field Office.

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>Three Piece Aspen</u> (61-014-22) / T26N, R11W, SEC. 22, SE. T26N, R11W, SEC. 23, E1/2SW,SE. Grand Traverse County, Advertised Price \$56,979.80, 65.5 Acres, Aspen, Hardwood.

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

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.

Roots Loop Red (61-041-21) / T27N, R09W, SEC. 12, SWSW,SESE. T27N, R09W, SEC. 13, SWNW. T27N, R09W, SEC. 14, SENE. Grand Traverse County, Advertised Price \$35,970.45, 51.5 Acres, Red Pine, White Pine.

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

Marked red pine thinning. Access roads are poor quality and will need re-shaping.

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>Snow Trail Mix</u> (61-050-21) / T27N, R09W, SEC. 13, SENW, SWNE, NESW, NWSE. Grand Traverse County, Advertised Price \$27,556.55, 44.0 Acres, White Pine, Aspen.

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

- See sale spec 5.2.31 for information on forwarding to landing areas.

- See sale spec 5.4.4 for slope information.

- See sale spec 5.2.41 for information on snowmobile trail uses.

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.

Bruin Block (61-051-21) / T27N, R09W, SEC. 14, S1/2SW, SWSE.

T27N, R09W, SEC. 23, NWNW.

Grand Traverse County, Advertised Price \$20,308.60, 34.4 Acres, Aspen, White Pine.

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

See sale spec 5.1.6 for information on powerlines adjacent to sale.

Access may be through private land.

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 May 24, 2022. 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

<u>Three Piece Aspen (61-014-22)</u> T26N, R11W, SEC. 22; T26N, R11W, SEC. 23. Grand Traverse County (Advertised Price \$56,979.80)

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

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

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

PRODUCTS & SPECIES	ESTIMATE	D UNITS*	<u>ADV</u>	ERTISED PRICE
Sawtimber				
B. T. Aspen	213.9	MBF	\$	95.00 / MBF
Bur Oak	3.8	MBF	\$	16.00 / MBF
Red Maple	73.5	MBF	\$	116.00 / MBF
Red Oak	19.7	MBF	\$	106.00 / MBF
White Pine	28.4	MBF	\$	41.00 / MBF
Pulpwood				
B. T. Aspen	1,269	Cords	\$	13.55 / Cord
Balsam Fir	29	Cords	\$	6.95 / Cord
Bur Oak	3	Cords	\$	15.70 / Cord
Mixed Hardwood	336	Cords	\$	14.75 / Cord
Red Oak	60	Cords	\$	16.90 / Cord
White Pine	82	Cords	\$	17.15 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 6.39 percent. There are an estimated 2,417 cords on this timber sale, plus or minus 154 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

- 1. A bond in the amount of \$2,849.00 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

	PERCENT OF TOTAL SALE VA
01	43.7%
02	56.3%

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

5. Operations on the contract issued will terminate on 06/30/2024.

SALE STATISTICS

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

SALE VOLUMES

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

VOL	VOLUME		VOLUME		STATISTICAL RA	ANGE IN CORDS
TOTAL CUBIC FEET	TAL CUBIC FEET TOTAL CORDS		MINIMUM MAXIMUN			
190,919	2,417	6.39%	2,262	2,571		

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
58	48,093	609	8.80%	555	662
95	27,823	352	20.16%	281	423
106	115,002	1,456	8.67%	1,329	1,582
TOTAL:	190,919	2,417		2,166	2,668

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
58	21.6	1	21.6
95	9.1	1	9.1
106	34.8	2	34.8
TOTAL:	65.5		65.5

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	97.9	MBF	30.7	\$24,880.50
	Bur Oak		3.8	MBF		
	Red Maple		40.7	MBF		
	Red Oak		19.7	MBF		
	White Pine		22.3	MBF		
	B. T. Aspen	Pulpwood	317	Cords		
	Balsam Fir		18	Cords		
	Bur Oak		3	Cords		
	Mixed Hardwood		130	Cords		
	Basswood	Sawtimber	3.1	MBF		
	Basswood	Pulpwood	2	Cords		
	Red Maple		122	Cords		
	Red Oak		52	Cords		
	White Pine		31	Cords		
2	B. T. Aspen	Sawtimber	116.0	MBF	34.8	\$32,099.30
	Red Maple		32.8	MBF		
	White Pine		6.1	MBF		
	B. T. Aspen	Pulpwood	952	Cords		
	Balsam Fir		11	Cords		
	Mixed Hardwood		206	Cords		
	Black Cherry	Sawtimber	1.5	MBF		
	Black Cherry	Pulpwood	3	Cords		
	Red Maple		185	Cords		
	Sugar Maple		15	Cords		
	Red Oak		8	Cords		
	White Pine		51	Cords		
		TOTAL:	339.3	MBF		
		TOTAL:	1,779	Cords		

Sale Specific Conditions & Requirements

Sale Number: 61-014-22 Seg#: 1

Sale Name: Three Piece 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 red paint. Exterior sale boundary lines against state are marked with red paint. No sale operations are to take place outside of sale boundary, specifically where lowland stands lie adjacent to Sale Area. Retention patches within Payment Unit 2 are marked with red paint; all white pine are to be retained within these islands. The painted boundary line trees are not Included Timber.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1 and 2, cut all trees that are two (2) inches or more at DBH, expect for the following:

- Do not cut green marked trees;
- Do not cut cedar and hemlock;
- Islands delineated by red paint within Payment Unit 2, do not cut white pine.

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.

3 - Payments

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

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

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

4 - Transportation

4.1 - Construction

4.1.11 - 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.

5.2.1.10 - No slash in openings (5/10) No brush or logging debris is to be left in the maintained wildlife openings indicated by G0 on the Timber Sale Map. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

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

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 1 and 2, unless changed by written agreement, cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. Operations may be allowed if specific steps are taken to prevent damaging uncut oak during the high risk period. Those steps may include completing all road brushing before April 15th and clearing a tree-length buffer along uncut oak cover before April 15th. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

5.2.4 - Dead and Down Creation

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

To encourage grouse and other wildlife, in Payment Unit(s) 1 and 2, leave two, 12" diameter or larger log-length (8 foot minimum) pieces on the ground for every 2 acres. The two pieces should be overlapped and identified by blue flagging. These trees will be evenly scattered throughout the Sale Area, 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.

5.2.41 - Snowmobile trail protection (9/11)

The snowmobile trail is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. The road maintenance/restoration must be done prior to December 1. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1. If the trail road is to be used for hauling during the snowmobile season, then a snow-covered base must be left on the trail. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

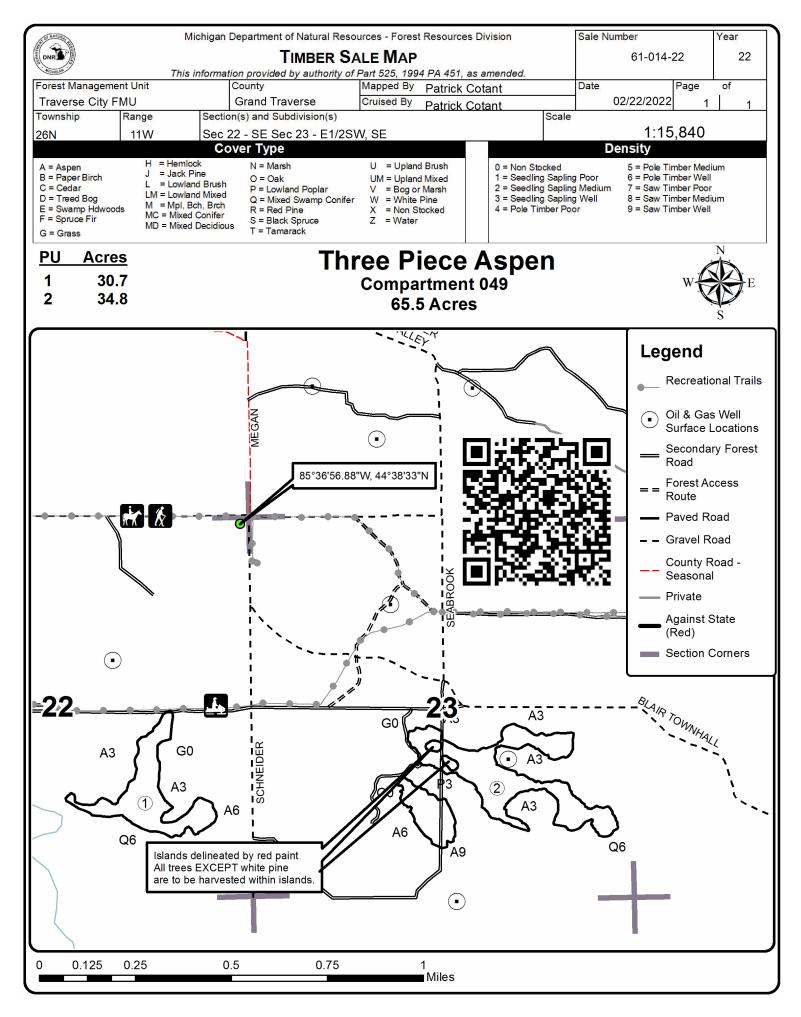
Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With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

6.2.2 - Snowmobile trail posting (10/20)

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



TIMBER SALE INFORMATION

Roots Loop Red (61-041-21)

T27N, R09W, SEC. 12; T27N, R09W, SEC. 13; T27N, R09W, SEC. 14. Grand Traverse County (Advertised Price \$35,970.45)

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

Marked red pine thinning. Access roads are poor quality and will need re-shaping.

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

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

PRODUCTS & SPECIES	ESTIMATED UNITS*		ADVE	ADVERTISED PRICE	
Sawtimber					
Red Pine	148.9	MBF	\$	89.00 / MBF	
White Pine	19.8	MBF	\$	41.00 / MBF	
Pulpwood					
Red Pine	604	Cords	\$	35.90 / Cord	
White Pine	13	Cords	\$	17.15 / Cord	

* The total volume is statistically estimated within plus (+) or minus (-) 7.82 percent. There are an estimated 996 cords on this timber sale, plus or minus 78 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 \$1,799.00 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:

PERCENT OF TOTAL SALE VALUE
45.1%
32.4%
22.5%

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

5. Operations on the contract issued will terminate on 06/30/2024.

SALE STATISTICS

PAYMENT UNIT

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

SALE VOLUMES

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

VOLUME		VOLUME		STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET TOTAL CORDS		PERCENT ERROR	MINIMUM MAXIMUM		
78,713	996	7.82%	918	1,074	

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
42	17,504	222	16.83%	184	259
70	29,273	371	13.44%	321	420
84	19,541	247	16.64%	206	289
709	6,416	81	21.63%	64	99
849	5,978	76	18.51%	62	90
TOTAL:	78,713	996		837	1,156

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
42	12.7	3	12.7
70	22.0	1	22.0
84	13.8	2	13.8
709	1.4	1	1.4
849	1.6	2	1.6
TOTAL:	51.5		51.5

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Sawtimber	77.5	MBF	23.4	\$16,239.60
	White Pine		10.9	MBF		
	Red Pine	Pulpwood	243	Cords		
	White Pine		10	Cords		
2	Red Pine	Sawtimber	44.6	MBF	15.4	\$11,637.55
	White Pine		8.9	MBF		
	Red Pine	Pulpwood	202	Cords		
	White Pine		3	Cords		
3	Red Pine	Sawtimber	26.8	MBF	12.7	\$8,093.30
	Red Pine	Pulpwood	159	Cords		
		TOTAL:	168.7	MBF		
		TOTAL:	617	Cords		

Sale Specific Conditions & Requirements

Sale Name: Roots Loop Red

Sale Number: 61-041-21 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary is marked and identified by red paint. Exterior sale boundary lines against state are marked with red paint. Clear-cut patches are marked with yellow paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1-3, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within clear-cut pockets designated on the map and by yellow paint marks on the perimeter cut all trees 2" diameter when measured at 4.5' above ground regardless of merchantability.

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 planting operations.

2.2.6 - Roundwood operation required (3/21)

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

4 - Transportation

4.2 - Maintenance

4.2.2 - Fill material (4/07)

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

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning, and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

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

5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 3 days prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract specifications.

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

5.2.3.13 - Heterobasidion root disease (HRD) (7/19)

This plantation is at risk of infection by the root rot fungus, Heterobasidion irregulare. To prevent the spread of this disease, cutting operations within payment units 1-3 are restricted to the period of January 1st through March 31st. Cutting may only occur outside this period with written permission of the Unit Manager or with the application of a preventative pesticide. Consultation with a forest health specialist will determine if cutting can occur prior to January 1 without pesticide application, dependent upon current and forecasted snow cover. Cellu-Treat and RotStop C are currently the only EPA registered products available in the United States for the control of Heterobasidion. Both products are a water-soluble powder that must be applied to the stump, in accordance with the product label. Dye must be added to these products to provide visible evidence of adequate coverage. Application of these pesticides requires licensing by the Michigan Department of Agriculture and Rural Development. All applicators are required to: provide to the Sale Administrator notification of application per requirements in 40 CFR 170.120; and document and provide to the Sale Administrator annually, by December 31 and prior to closure of sale, the volume of product used and acres treated.

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

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

5.2.41 - Snowmobile trail protection (9/11)

There is a snowmobile trail adjacent to the sale that is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. If the trail road is to be used for hauling during the snowmobile season, then a snow-covered base must be left on the trail. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 20 feet of the snowmobile trail must be cut at ground level. In addition, any trees cut within 5 feet of the trail must have the stumps removed and be disposed of according to the direction of the Unit Manager or his/her representative.

5.4 - Soil Protection

5.4.2 - Skid trails (2/04)

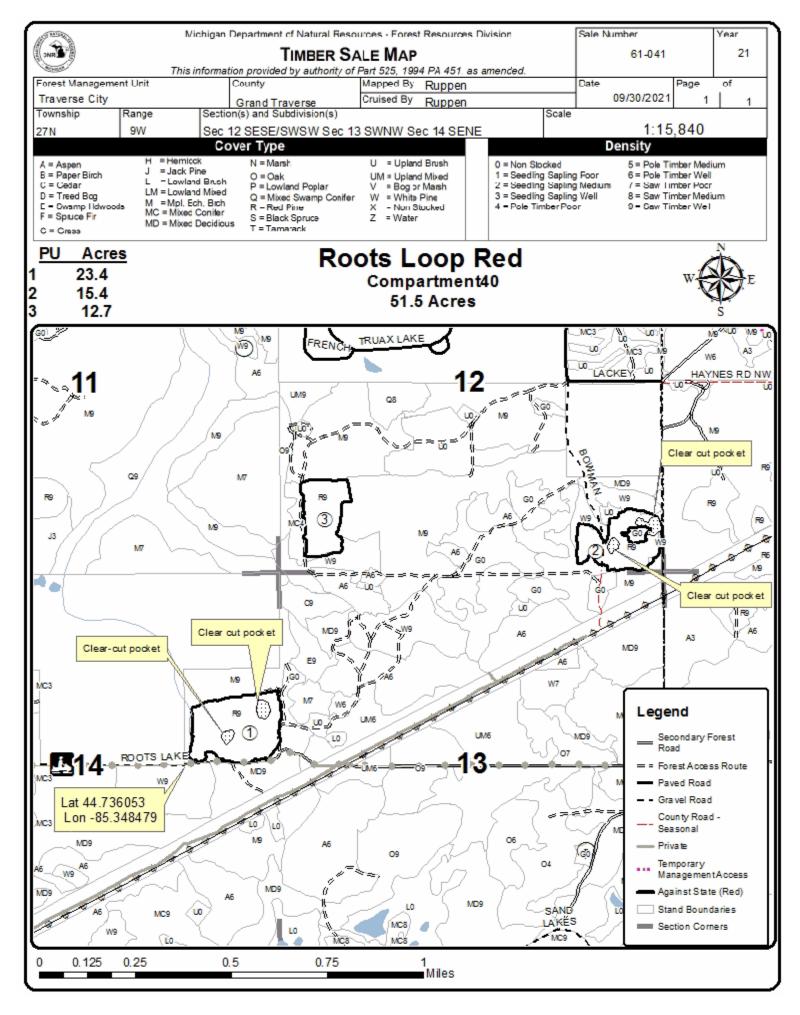
Skid trails up and down slopes should be avoided. If however this is unavoidable, these trails will be left in a non-erodible condition using water bars, logs, and slash. Placing of slash on these skid trails while logging is ongoing may alleviate need for any further action. At the direction of the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

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



TIMBER SALE INFORMATION

Snow Trail Mix (61-050-21) T27N, R09W, SEC. 13. Grand Traverse County (Advertised Price \$27,556.55)

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

- See sale spec 5.2.31 for information on forwarding to landing areas.

- See sale spec 5.4.4 for slope information.

- See sale spec 5.2.41 for information on snowmobile trail uses.

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

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

PRODUCTS & SPECIES	ESTIMATE	ED UNITS*	ADV	ERTISED PRICE
Sawtimber				
B. T. Aspen	127.9	MBF	\$	95.00 / MBF
Red Maple	2.4	MBF	\$	116.00 / MBF
Red Oak	33.1	MBF	\$	106.00 / MBF
Red Pine	3.6	MBF	\$	89.00 / MBF
White Oak	5.6	MBF	\$	67.00 / MBF
White Pine	144.1	MBF	\$	41.00 / MBF
Pulpwood				
B. T. Aspen	88	Cords	\$	13.55 / Cord
Mixed Oak	78	Cords	\$	16.90 / Cord
Red Maple	51	Cords	\$	14.75 / Cord
Red Pine	2	Cords	\$	35.90 / Cord
White Pine	98	Cords	\$	17.15 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 11.17 percent. There are an estimated 1,033 cords on this timber sale, plus or minus 115 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 \$1,378.00 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

UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	68.6%
02	31.4%

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

5. Operations on the contract issued will terminate on 06/30/2024.

SALE STATISTICS

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

SALE VOLUMES

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

VOL	UME	STATISTICAL RANGE IN CORDS		ANGE IN CORDS
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM MAXIMUM	
81,593	1,033	11.17%	917	1,148

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.

	VOL	UME		RANGE II	N CORDS
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
96	30,845	390	22.39%	303	478
99	50,748	642	11.74%	567	718
TOTAL:	81,593	1,033		870	1,196

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
96	16.9	1	9.7
		2	7.2
99	27.1	1	20.5
		2	6.6
TOTAL:	44.0		44.0

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	90.6	MBF	30.2	\$18,907.20
	Red Maple		1.4	MBF		<i>•••••••••••••••••••••••••••••••••••••</i>
	Red Oak		19.7	MBF		
	Red Pine		2.7	MBF		
	White Oak		3.9	MBF		
	White Pine		101.5	MBF		
	B. T. Aspen	Pulpwood	64	Cords		
	Mixed Oak		46	Cords		
	Red Oak		31	Cords		
	White Oak		15	Cords		
	Red Maple		33	Cords		
	Red Pine		2	Cords		
	White Pine		69	Cords		
2	B. T. Aspen	Sawtimber	37.3	MBF	13.8	\$8,649.35
	Red Maple		1.0	MBF		
	Red Oak		13.4	MBF		
	Red Pine		0.9	MBF		
	White Oak		1.7	MBF		
	White Pine		42.6	MBF		
	B. T. Aspen	Pulpwood	24	Cords		
	Mixed Oak		32	Cords		
	Red Oak		22	Cords		
	White Oak		10	Cords		
	Red Maple		18	Cords		
	White Pine		29	Cords		
		TOTAL:	316.7	MBF		
		TOTAL:	317	Cords		

Sale Specific Conditions & Requirements

Sale Name: Snow Trail Mix

Sale Number: 61-050-21 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 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. Interior Payment Unit boundaries are not marked. The Payment Unit line is the snowmobile trail. Retention patches are marked with red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1 and 2, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, cut all aspen and beech unless marked with green paint. Do not cut or damage birch or hemlock trees.

2.2 - Utilization

2.2.6 - Roundwood operation required (3/21)

The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Unit(s) 1 and 2. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

3 - Payments

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings. Advanced pine regeneration is present in some areas of the Sale Area and is desirable. It will be expected that an effort will be made to protect these saplings and poles.

4 - Transportation

4.1 - Construction

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.

4.2 - Maintenance

4.2.2 - Fill material (4/07)

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

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning, and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

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

5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 3 days prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract specifications.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 36 inches in height.

5.2.3 - Operating Restrictions

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

Within Payment Unit(s) 1 and 2, 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.

5.2.31 - Landing locations (9/13)

Recommended landing areas are marked on the Timber Sale Map with Landing areas are marked on the Timber Sale Map with the letter "L". Landing locations are limited on timber treatment due to the terrain and the poor road conditions. It is recommended that the wood be forwarded to the open area indicated on the Timber Sale Map. The wood products will need to be forwarded down the Snowmobile Trail.

5.2.32 - Decking/landing restoration (9/13)

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

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

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

5.2.41 - Snowmobile trail protection (9/11)

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

5.4 - Soil Protection

5.4.1 - 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.

5.4.4 - Slope protection (9/19)

Skid trails and roads on slopes shall be water barred with slash and stumps as soon as use is complete to prevent erosion.

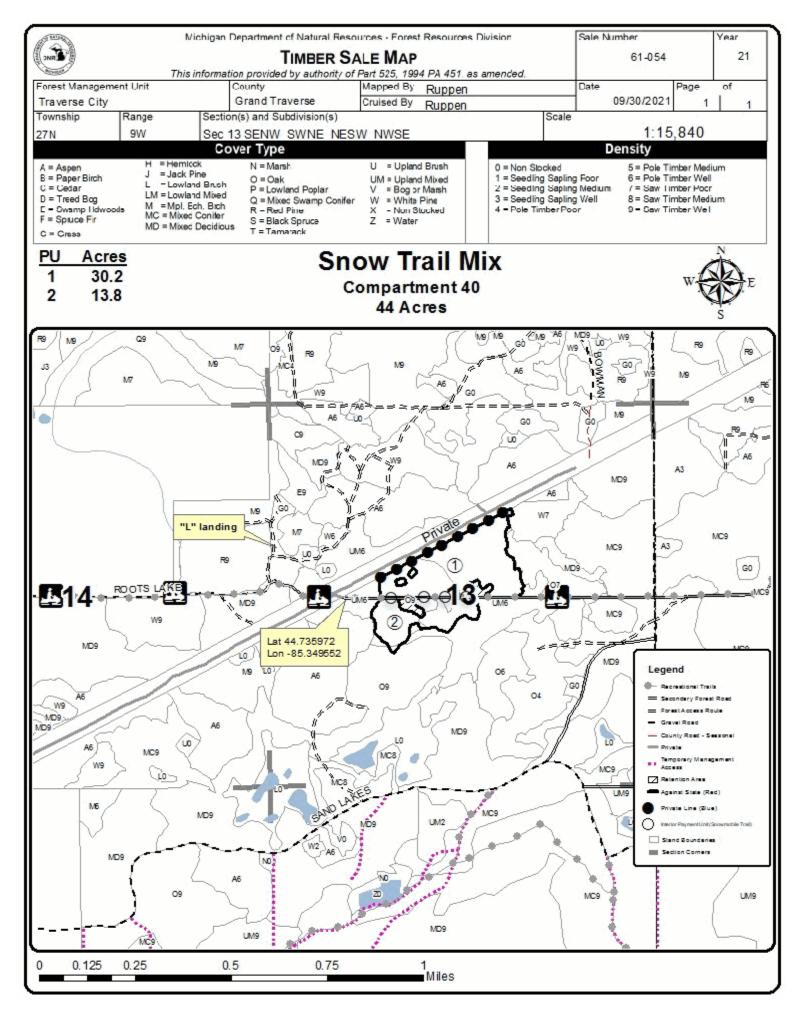
6 - Safety and Fire Prevention

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on adjacent roads prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

6.2.2 - Snowmobile trail posting (10/20)

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



TIMBER SALE INFORMATION

Bruin Block (61-051-21) T27N, R09W, SEC. 14; T27N, R09W, SEC. 23. Grand Traverse County (Advertised Price \$20,308.60)

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

See sale spec 5.1.6 for information on powerlines adjacent to sale.

Access may be through private land.

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

PRODUCTS & SPECIES	<u>ESTIMATE</u>	D UNITS*	ADVE	ERTISED PRICE
Sawtimber				
B. T. Aspen	48.3	MBF	\$	95.00 / MBF
Red Maple	14.6	MBF	\$	116.00 / MBF
Red Oak	5.8	MBF	\$	106.00 / MBF
White Oak	2.6	MBF	\$	67.00 / MBF
White Pine	81.1	MBF	\$	41.00 / MBF
Pulpwood				
B. T. Aspen	328	Cords	\$	13.55 / Cord
Red Maple	168	Cords	\$	14.75 / Cord
Red Oak	42	Cords	\$	16.90 / Cord
White Oak	3	Cords	\$	16.90 / Cord
White Pine	130	Cords	\$	17.15 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 7.44 percent. There are an estimated 996 cords on this timber sale, plus or minus 74 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 \$1,015.00 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:

PERCENT OF TOTAL SALE VALUE
34.8%
65.2%

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

5. Operations on the contract issued will terminate on 06/30/2024.

SALE STATISTICS

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

SALE VOLUMES

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

VOL	UME		STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM MAXIMUM	
78,681	996	7.44%	922	1,070

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
95	39,463	500	9.96%	450	549
102	14,100	178	19.25%	144	213
107	25,118	318	13.48%	275	361
TOTAL:	78,681	996		869	1,123

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
95	11.5	2	11.5
102	5.8	2	5.8
107	17.1	1	17.1
TOTAL:	34.4		34.4

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

-					1	
PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	31.6	MBF	17.1	\$7,071.95
	Red Maple		2.9	MBF		
	Red Oak		1.5	MBF		
	White Pine		13.7	MBF		
	B. T. Aspen	Pulpwood	113	Cords		
	Red Maple		74	Cords		
	Red Oak		17	Cords		
	White Pine		6	Cords		
2	B. T. Aspen	Sawtimber	16.7	MBF	17.3	\$13,236.65
	Red Maple		11.7	MBF		
	Red Oak		4.3	MBF		
	White Oak		2.6	MBF		
	White Pine		67.4	MBF		
	B. T. Aspen	Pulpwood	215	Cords		
	Red Maple		94	Cords		
	Red Oak		25	Cords		
	White Oak		3	Cords		
	White Pine		124	Cords		
		TOTAL:	152.4	MBF		
		TOTAL:	671	Cords		

Sale Specific Conditions & Requirements

Sale Number: 61-051-21 Seg#: 1

Sale Name: Bruin Block

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

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

2 - Timber Specifications

- 2.1 Included Timber
 - 2.1.3 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, cut all aspen. Do not cut or damage and hemlock or birch trees.

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

Within Payment Unit(s) 2, cut all trees that are two (2) inches or more at DBH, except pine 4" at DBH or less and trees marked with green paint above and below stump height. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

2.2 - Utilization

2.2.6 - Roundwood operation required (3/21)

The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Unit(s) 1 and 2. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

3 - Payments

3.4 - Damaged Timber

3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are marked with green paint. In addition, no hemlock or birch should be cut or damaged. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$25 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

4 - Transportation

4.1 - Construction

4.1.12 - 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.

4.2 - Maintenance

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning, and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

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

5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 3 days prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract specifications.

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. The access road on the north edge of Payment Unit 1 is on the private ownership for a short distance. This is a shared road and should not be a problem, but contact should be made. R.O.W. for operations. Contact Consumer's Power (616) 690-3818

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08) No slash or tree tops may exceed 30 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 and 2 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.

5.2.38 - 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 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.

5.4.4 - Slope protection (9/19)

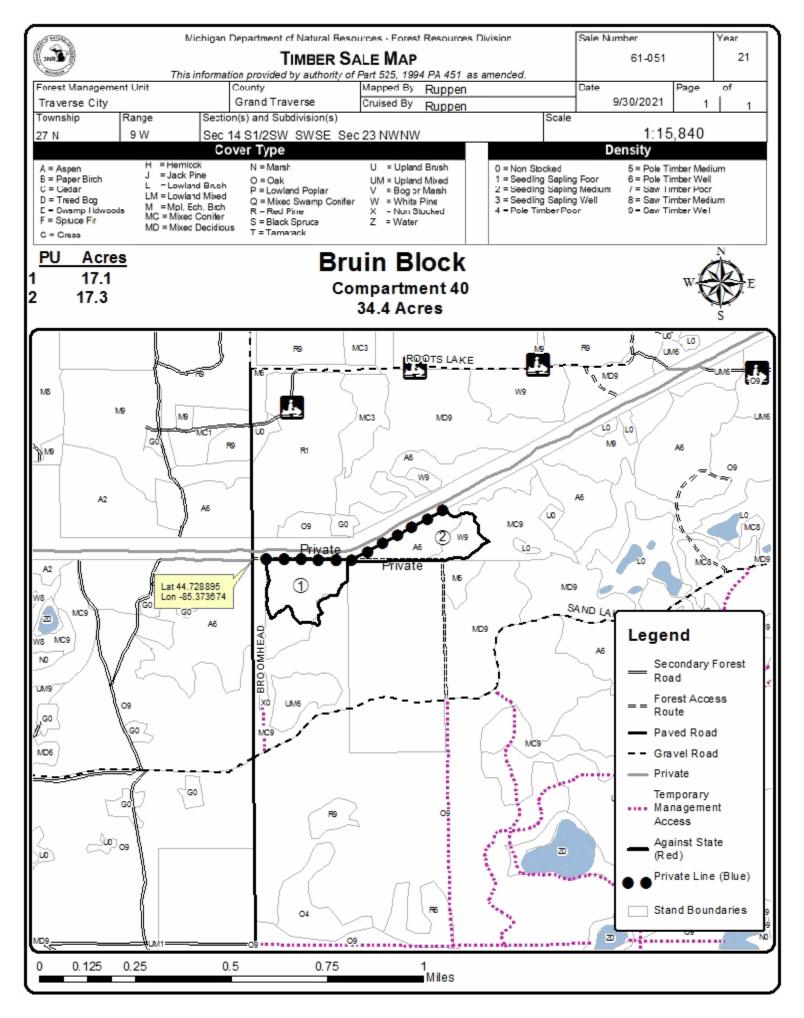
Skid trails and roads on slopes shall be water barred with slash and stumps as soon as use is complete to prevent erosion.

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 Broomhead 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

Roots Loop Red (61-041-21)

T27N, R09W, SEC. 12; T27N, R09W, SEC. 13; T27N, R09W, SEC. 14; Grand

In response to the notice of sale to be held 4:00 p.m. (local time) on May 24, 2022, 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 & SPECIE Sawtimber	<u>S</u> <u>ESTIMATED</u>	VOLUME*	<u>ADV</u>	ERTISED PRICE	BID PRICE/UNIT
Red Pine	148.9	MBF	\$	89.00/MBF	\$
White Pine	19.8	MBF	\$	41.00/MBF	\$
Pulpwood					
Red Pine	604	Cords	\$	35.90/Cord	\$
White Pine	13	Cords	\$	17.15/Cord	\$

*The volumes are statistically estimated within plus (+) or minus (-) 7.82 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

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

FEDERAL ID:	or SOCIAL SECU	IRITY NUMBER:	
Company or individual bidding:			
Company representative's name:			
Address:			_
City:	State:	Zip:	_

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

Individual or company representative's signature:		Date:	
Phone number :	Email (optional):		

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

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

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TIMBER SALE / SEALED BID STATE OF MICHIGAN / DNR

BID FORM

Snow Trail Mix (61-050-21) T27N, R09W, SEC. 13; Grand Traverse COUNTY

In response to the notice of sale to be held 4:00 p.m. (local time) on May 24, 2022, 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	BID PRICE/UNIT
B. T. Aspen	127.9	MBF	\$	95.00/MBF	\$
Red Maple	2.4	MBF	\$	116.00/MBF	\$
Red Oak	33.1	MBF	\$	106.00/MBF	\$
Red Pine	3.6	MBF	\$	89.00/MBF	\$
White Oak	5.6	MBF	\$	67.00/MBF	\$
White Pine	144.1	MBF	\$	41.00/MBF	\$
Pulpwood					
B. T. Aspen	88	Cords	\$	13.55/Cord	\$
Mixed Oak	78	Cords	\$	16.90/Cord	\$
Red Maple	51	Cords	\$	14.75/Cord	\$
Red Pine	2	Cords	\$	35.90/Cord	\$
White Pine	98	Cords	\$	17.15/Cord	\$

*The volumes are statistically estimated within plus (+) or minus (-) 11.17 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:

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	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 Ir	nformation must be typed or printed e	except for written sig	gnatures.			
Please (Check Appropriate Categories:					
-	pusiness is organized as (you must	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 both 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

Bruin Block (61-051-21)

T27N, R09W, SEC. 14; T27N, R09W, SEC. 23; Grand Traverse COUNTY

In response to the notice of sale to be held 4:00 p.m. (local time) on May 24, 2022, 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	BID PRICE/UNIT
B. T. Aspen	48.3	MBF	\$	95.00/MBF	\$
Red Maple	14.6	MBF	\$	116.00/MBF	\$
Red Oak	5.8	MBF	\$	106.00/MBF	\$
White Oak	2.6	MBF	\$	67.00/MBF	\$
White Pine	81.1	MBF	\$	41.00/MBF	\$
Pulpwood					
B. T. Aspen	328	Cords	\$	13.55/Cord	\$
Red Maple	168	Cords	\$	14.75/Cord	\$
Red Oak	42	Cords	\$	16.90/Cord	\$
White Oak	3	Cords	\$	16.90/Cord	\$
White Pine	130	Cords	\$	17.15/Cord	\$

*The volumes are statistically estimated within plus (+) or minus (-) 7.44 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

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	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 Ir	nformation must be typed or printed e	except for written sig	gnatures.			
Please (Check Appropriate Categories:					
-	pusiness is organized as (you must	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 both 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

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TIMBER SALE / SEALED BID STATE OF MICHIGAN / DNR

BID FORM

Three Piece Aspen (61-014-22)

T26N, R11W, SEC. 22; T26N, R11W, SEC. 23; Grand Traverse COUNTY

In response to the notice of sale to be held 4:00 p.m. (local time) on May 24, 2022, 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 VC	<u>ADLUME*</u>	ADVERTISED PRICE	BID PRICE/UNIT
B. T. Aspen	213.9 M	BF \$	95.00/MBF	\$
Bur Oak	3.8 MI	BF \$	16.00/MBF	\$
Red Maple	73.5 MI	BF \$	116.00/MBF	\$
Red Oak	19.7 MI	BF \$	106.00/MBF	\$
White Pine	28.4 MI	BF \$	41.00/MBF	\$
Pulpwood				
B. T. Aspen	1,269 Co	ords \$	13.55/Cord	\$
Balsam Fir	29 Co	ords \$	6.95/Cord	\$
Bur Oak	3 Co	ords \$	15.70/Cord	\$
Mixed Hardwood	336 Co	ords \$	14.75/Cord	\$
Red Oak	60 Co	ords \$	16.90/Cord	\$
White Pine	82 Co	ords \$	17.15/Cord	\$

*The volumes are statistically estimated within plus (+) or minus (-) 6.39 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:

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

AND PROPARTY AND	Michigan Department of Natura Forest Resources Divis			FOR DEPARTMENT USE ONLY Sale Number (XX – XXX – XX – XX)	
and Michigan . 50	TIMBER SAL	E			
	VERIFICATION OF WORKER	R'S DISABILITY	e	Forest Management Unit:	
	COMPENSATION ACT C				
	As required by Act 317, P.A. 1969 (Worke	-	~		
VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE					
sale	Γhis verification must be completed and submitted within 21 days of contract award and prior to the issuance of the timber sale contract.				
	n 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:					
-	, j j j j j j j j j j j j j j j j j j j				
	A. Sole Proprietorship (individual)				
	B. Partnership				
C. 🗋	C. Corporation				
2. You	You must check <u>one</u> of the boxes below:				
A. 🗆	A. I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.				
	 B. I certify my business has satisfied its o bligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195). C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award. 				
Full-time Employees			Part-time Employees		
Name of Bu	Isiness		Federal ID (or) S	Social Security No.	
Address			Telephone		
			()		
City		State	ZIP		
I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.					
Title	e Date				

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

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