

DEPARTMENT OF NATURAL RESOURCES STATE OF MICHIGAN

TIMBER SALE PROSPECTUS #6918

<u>SCHEDULED SALE DATE AND TIME:</u> 9:00 a.m. (local time) on September 30, 2021. <u>LOCATION:</u> PIGEON RIVER COUNTRY MGMT UNIT, PO BOX 456, 9966 TWIN LAKES ROAD, VANDERBILT, MI 49795.

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, PIGEON RIVER COUNTRY MANAGEMENT UNIT, for certain timber on the following described lands:

<u>Green Timbers Pine</u> (53-008-21) / T32N, R02W, SEC. 15, NWNW,SENW,W1/2NE. T32N, R02W, SEC. 16, SENE,SE. Otsego County, Advertised Price \$23,666.80, 47.9 Acres, Red Pine, White Pine.

SALE NOTE: Note chipping requirements for Payment Unit 1 - 2. Contact Pigeon River Country staff if gate access is needed prior to the bid opening date.

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

Weekend at Fernies (53-010-21) / T34N, R01W, SEC. 25, SW.

T34N, R01W, SEC. 36, N1/2NW,W1/2NE.

Cheboygan County, Advertised Price \$29,192.90, 61.5 Acres, Aspen, Red Pine.

SALE NOTE: Access to the Sale Area is generally good, some of the likely haul routes will require opening/brushing maintenance. Crane and/or composite mats might be required to reach Payment Units 4 and 5. There's a ~150ft stretch of seasonally wet/soft ground that will need to be crossed to reach Payment Units 4 and 5.

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

Sparr Road TSI (53-011-21) / T31N, R01W, SEC. 30, E1/2SW,SWSE. Otsego County, Advertised Price \$8,995.25, 37.2 Acres, Hardwood, 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.

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

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

Bids must be received by the Unit Manager, PIGEON RIVER COUNTRY OFFICE, PO Box 456 9966 Twin Lakes Road, Vanderbilt, MI 49795, no later than 9:00 a.m. (local time) on September 30, 2021. For further information concerning this sale, contact Greg Rekowski at 989-983-4101 extension.

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>Green Timbers Pine (53-008-21)</u> T32N, R02W, SEC. 15; T32N, R02W, SEC. 16. Otsego County (Advertised Price \$23,666.80)

SALE NOTE: Note chipping requirements for Payment Unit 1 - 2. Contact Pigeon River Country staff if gate access is needed prior to the bid opening date.

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

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*	<u>ADV</u>	ERTISED PRICE
Sawtimber				
Red Pine	102.7	MBF	\$	77.00 / MBF
White Pine	95.1	MBF	\$	50.00 / MBF
Pulpwood				
Mixed Aspen	84	Cords	\$	15.50 / Cord
Red Maple	24	Cords	\$	12.55 / Cord
Red Pine	173	Cords	\$	33.40 / Cord
White Pine	150	Cords	\$	24.15 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 9.35 percent. There are an estimated 818 cords on this timber sale, plus or minus 77 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 \$2,367.00 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	51.6%
02	26.7%
03	8.1%
04	13.6%

- 4. If no cutting takes place, the 10% down payment will not be refunded.
- 5. Operations on the contract issued will terminate on 12/31/2024.

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
64,652	818	9.35%	742	895

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
10	2,478	31	0.00%	31	31
12	5,570	71	34.69%	46	95
33	49,092	621	11.06%	553	690
49	8,172	103	24.48%	78	129
TOTAL:	65,312	827		708	945

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
10	1.2	4	1.2
12	3.9	4	3.9
33	37.7	1	24.8
		2	12.9
49	5.1	3	5.1
TOTAL:	47.9		47.9

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Sawtimber	60.1	MBF	24.8	\$12,192.85
	White Pine		61.8	MBF		
	Mixed Aspen	Pulpwood	12	Cords		
	B. T. Aspen		10	Cords		
	Quaking Aspen		2	Cords		
	Red Maple		3	Cords		
	Red Maple		3	Cords		
	Red Pine		68	Cords		
	White Pine		82	Cords		
2	Red Pine	Sawtimber	31.3	MBF	12.9	\$6,328.10
	White Pine		32.1	MBF		
	Mixed Aspen	Pulpwood	6	Cords		
	B. T. Aspen		5	Cords		
	Quaking Aspen		1	Cords		
	Red Maple		1	Cords		
	Red Maple		1	Cords		
	Red Pine		35	Cords		
	White Pine		43	Cords		
3	Red Pine	Sawtimber	1.2	MBF	5.1	\$1,921.25
	White Pine		1.2	MBF		
	Mixed Aspen	Pulpwood	66	Cords		
	B. T. Aspen		66	Cords		
	Red Maple		6	Cords		
	Red Maple	Sawtimber	0.8	MBF		
	Red Maple	Pulpwood	4	Cords		
	Red Pine		2	Cords		
	White Pine		25	Cords		
4	Red Pine	Sawtimber	10.1	MBF	5.1	\$3,224.60
	Red Maple	Pulpwood	14	Cords		
	Red Maple		14	Cords		
	Red Pine		68	Cords		
		TOTAL:	197.8	MBF		
		TOTAL:	431	Cords		

Sale Number: 53-008-21 Seg#: 1

Sale Name: Green Timbers Pine

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue, red, and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. Red, yellow, and blue 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) 3, cut all trees that are two (2) inches or more at DBH, except do not cut green marked trees.

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

Within Payment Unit(s) 4, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

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

Within Payment Unit(s) 1 - 2, cut all trees that are two (2) inches or more at DBH, except do not cut red oak, white oak, and trees marked with green paint above and below stump height.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

Payment Unit 1 - 2 must be chip harvested and products may be produced as roundwood and forwarded to decking areas in final product length, but the tops must be left intact and skidded to the landing for chipping to maximize the amount of ground scarification. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter is still applicable (G. C. & R. 2.2).

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.

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

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)

Overgrown roads that are reopened 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. These roads must be rendered impassable to cars and trucks. Contact the sale administrator for specific details of design and placement.

4.1.12 - No new roads (1/12)

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

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. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

4.2.5 - Two wheel drive condition (2/04)

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

4.4 - Access

4.4.3 - Access gate (12/08)

The access gate to Payment Unit 1 - 3 must be locked at all times. This is to prevent someone other than the Purchaser from going through the gate and being locked in.

5 - Operations

5.2 - Conduct of Operations

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

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

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1 - 2, cutting, skidding, and hauling are limited to the period of July 15 to November 1. This restriction is in place to maximize the amount of ground scarification during snow-free conditions.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 4, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

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

Within Payment Unit(s) 1 - 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.

5.2.4 - Dead and Down Creation

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

Within Payment Unit 3, all trees marked with a "X" of blue paint must be felled and left on site for wildlife. These trees have been taken off the timber tally.

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

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

5.2.32 - Decking/landing restoration (9/13)

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

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

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

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 25 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. Steep slopes are prevalent in and around Payment Unit 3.

5.5 - Protection of Improvements

5.5.3 - Protection of improvements detail (10/13)

The following are specific protection measures for this sale; a wire fence is present along the entire private property boundary line. Care must be taken to avoid damage to any part of this fence. All slash must be kept at least 10 feet away from this fence line.

5.8 - Protection of Endangered Species

5.8.3 - Red shoulder hawk or goshawk (2/16)

In the event that an active red shoulder hawk or goshawk nest is found, the contract may be amended to protect the nest site until the nest is determined to be inactive. The value of the trees in this excluded area will be refunded or credited to the Purchaser. The nest will be buffered with a five-chain radius (eight acre) protection area, centered on the nest tree, in which there will be no cutting or new roads constructed. Avoid human disturbance, including loading and skidding, in the protection area.

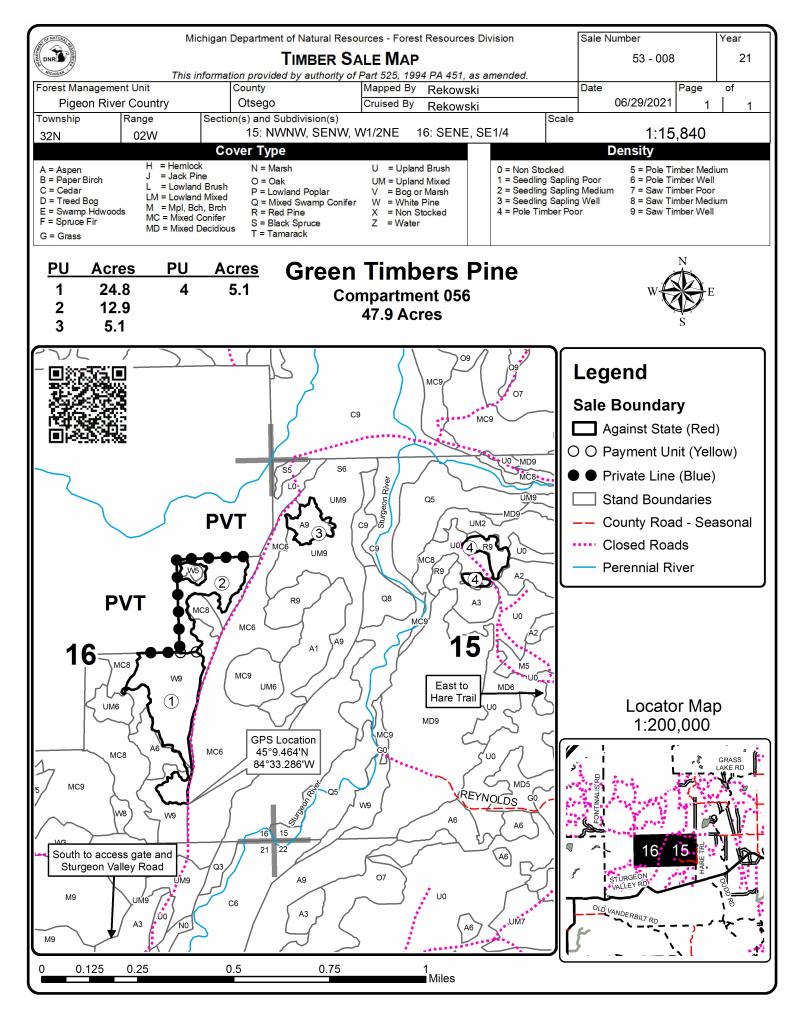
An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from March 15 to July 15 (NLP). Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on State forest 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

Weekend at Fernies (53-010-21) T34N, R01W, SEC. 25; T34N, R01W, SEC. 36. Cheboygan County (Advertised Price \$29,192.90)

SALE NOTE: Access to the Sale Area is generally good, some of the likely haul routes will require opening/brushing maintenance. Crane and/or composite mats might be required to reach Payment Units 4 and 5. There's a ~150ft stretch of seasonally wet/soft ground that will need to be crossed to reach Payment Units 4 and 5.

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

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*	ADVE	RTISED PRICE
Sawtimber				
Mixed Aspen	57.6	MBF	\$	50.00 / MBF
Red Pine	52.2	MBF	\$	77.00 / MBF
White Pine	4.1	MBF	\$	50.00 / MBF
Pulpwood				
Balsam Fir	18	Cords	\$	19.70 / Cord
Black Spruce	90	Cords	\$	15.40 / Cord
Jack Pine	13	Cords	\$	12.05 / Cord
Mixed Aspen	923	Cords	\$	15.50 / Cord
Red Maple	59	Cords	\$	12.55 / Cord
Red Oak	4	Cords	\$	57.35 / Cord
Red Pine	111	Cords	\$	33.40 / Cord
White Pine	50	Cords	\$	24.15 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 8.52 percent. There are an estimated 1,462 cords on this timber sale, plus or minus 125 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 \$2,919.00 to insure faithful performance of the conditions of the contract will be deposited
- by the successful bidder within 21 days of the sale award.
- 2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
- 3. Total payment must be paid in advance or according to the following schedule :
- (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
- (b) The 10% down payment will be credited towards the first unit cut.
- (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	25.6%
02	12.3%
03	9.1%
04	44.2%
05	8.8%
• ·	

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

5. Operations on the contract issued will terminate on 12/31/2024.

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	TOTAL CORDS PERCENT ERROR		MAXIMUM
115,486	1,462	8.52%	1,337	1,586

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
56	60,423	765	14.40%	655	875
69	7,804	99	23.39%	76	122
70	35,308	447	11.69%	395	499
72	5,523	70	13.69%	60	79
77	9,072	115	28.10%	83	147
TOTAL:	118,130	1,495		1,268	1,723

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
56	20.0	4	20.0
69	5.4	5	5.4
70	21.2	1	21.2
72	7.4	3	7.4
77	7.5	2	7.5
TOTAL:	61.5		61.5

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

				1		
PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	13.5	MBF	21.2	\$7,476.15
	B. T. Aspen		12.0	MBF		
	Quaking Aspen		1.5	MBF		
	Red Pine		0.9	MBF		
	Black Spruce	Pulpwood	73	Cords		
	Black Spruce	Sawtimber	18.8	MBF		
	Black Spruce	Pulpwood	35	Cords		
	, Mixed Aspen	,	321	Cords		
	B. T. Aspen		169	Cords		
	Quaking Aspen		152	Cords		
	Red Maple		10	Cords		
	Red Maple		10	Cords		
	Red Pine		13	Cords		
	White Pine		3	Cords		
2	Red Pine	Sawtimber	10.9	MBF	7.5	\$3,584.40
2	White Pine	Sawumber	2.1	MBF	7.5	φ 3, 304.40
		Dulmura a d				
	Mixed Aspen	Pulpwood	5	Cords		
	B. T. Aspen		5	Cords		
	Red Maple		5	Cords		
	Red Maple		5	Cords		
	Red Pine		64	Cords		
	White Pine		15	Cords		
3	Red Pine	Sawtimber	25.6	MBF	7.4	\$2,647.35
	Red Maple	Pulpwood	1	Cords		
	Red Maple		1	Cords		
	Red Oak		4	Cords		
	Red Pine		13	Cords		
4	Mixed Aspen	Sawtimber	37.6	MBF	20.0	\$12,927.05
	B. T. Aspen		36.3	MBF		
	Quaking Aspen		1.3	MBF		
	Red Pine		2.8	MBF		
	Balsam Fir	Pulpwood	18	Cords		
	Black Spruce		17	Cords		
	Black Spruce		17	Cords		
	Jack Pine		13	Cords		
	Mixed Aspen		568	Cords		
	B. T. Aspen		453	Cords		
	Quaking Aspen		115	Cords		
	Red Maple		43	Cords		
	Red Maple	Sawtimber	1.3	MBF		
	Red Maple	Pulpwood	40	Cords		
	Red Pine		12	Cords		
	White Pine		13	Cords		
5	Mixed Aspen	Sawtimber	6.5	MBF	5.4	\$2,557.95
5	B. T. Aspen		6.5	MBF	0.4	φ2,007.90
	Red Pine		12.0	MBF		
	White Pine		2.0	MBF		
	Mixed Aspen	Bulbwood				
	LIVIUXEN ASNEN	Pulpwood	29	Cords Cords		
1	-			L LONGS		1
	B. T. Aspen		22			
	B. T. Aspen Quaking Aspen		7	Cords		
	<i>B. T. Aspen</i> <i>Quaking Aspen</i> Red Pine		7 9	<i>Cords</i> Cords		
	B. T. Aspen Quaking Aspen		7	Cords		
	<i>B. T. Aspen</i> <i>Quaking Aspen</i> Red Pine	TOTAL:	7 9	<i>Cords</i> Cords		

Sale Specific Conditions & Requirements

Sale Name: Weekend at Fernies

Sale Number: 53-010-21 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 red paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with red paint. Interior retention patches are marked with red painted X's; no harvesting activities may occur within these areas. The red painted boundary line trees and interior Payment Unit boundary trees are not Included Timber and are to be protected.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1 and 4, cut all trees that are two (2) inches or more at DBH with the following exceptions:

- Within Payment Unit 1, do not cut any oak or trees marked with green paint

- Within Payment Unit 4, do not cut any trees marked with green paint

Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

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

Within Payment Unit(s) 2, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

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

Within Payment Unit(s) 3 and 5, cut all trees that are two (2) inches or more at DBH, except trees marked with green paint above and below stump height.

In addition, extreme care should be taken to avoid damage to pine seedlings and saplings in Payment Units 3 and 5. As much as possible, harvesting operations should try to go around pockets that are heavy with red, white, and jack pine saplings, many of which are 10 - 20 feet tall.

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 pine seedlings and saplings in Payment Units 3 and 5. As much as possible, harvesting operations should try to go around pockets that are heavy with red, white and jack pine saplings, many of which are 10 - 20 feet tall.

Within Payment Units 3 and 5, if more than 50% of the pine seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the Sale Area are damaged, liquidated damages will be assessed at \$300 per acre for all acreage within that specified portion of the Sale Area that was damaged.

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

3.4.2 - 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 the handful of Legacy white and red pine trees painted with green paint within Payment Units 1 and 4. Legacy trees are defined as having some of the following characteristics: twenty-six (26) inches or more at DBH, fire scars, broken tops/crowns, etc. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$500.00 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

4 - Transportation

4.1 - Construction

4.1.3 - Slash and earthen piles (8/04)

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

4.1.7 - Road closure (10/11)

Overgrown roads that are reopened 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. These roads must be rendered impassable to cars and trucks. Contact the sale administrator for specific details of design and placement.

4.1.12 - No new roads (1/12)

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

4.2 - Maintenance

4.2.4 - Grading (10/16)

If deemed necessary by the timber sale administrator, state forest roads must be graded after hauling operations are complete. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

4.2.5 - Two wheel drive condition (2/04)

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

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in the maintained wildlife opening which is indicated by U0 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

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5.2.3.3 - Bark slippage restriction (3/09)
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Within Payment Unit(s) 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.

5.2.4 - Dead and Down Creation

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5.2.4.3 - Dead and down creation, dead trees (6/07)
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Except as provided for in General Condition and Requirement 5.2.2, no dead trees, standing or down, are to be cut, skidded, or processed.

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

To encourage grouse and other wildlife, in Payment Unit(s) 1 and 4, leave one 12" or larger diameter (or largest diameter trees within stand) whole tree on the ground for every 2 acres, preferably a hardwood species such as maple or if no hardwoods are present, a pine species (white or red). These will be evenly scattered throughout the Payment Unit.

5.2.17 - Timber Mats and Interlocking Composite Mats (10/20)

The overgrown road providing access to Payment Units 4 and 5 may require extra protection such as that afforded by timber

mats, interlocking composite mats, or another approved system. Approximately ~150 feet of road or trail will need extra protection at the location shown on the Timber Sale Map. If available, mats may be borrowed from the DNR. A Timber Sale Contract Supplement will be used to document the Purchaser's use of the DNR's mats. Contact the sale administrator regarding availability and pick-up. Timber mats are available from various field offices. Composite mats are only available from the Grayling field office and the Marquette ICC. The Purchaser is responsible for picking up and hauling the mats to and from the site. The composite mats will require DNR staff onsite for installation and removal. Contact the sale administrator to schedule at least 30 days before desired install/removal date. All mats must be cleaned prior to drop off. This may include, but is not limited to, power washing and brushing to remove mud and debris. A charge of \$700.00 per timber mat and \$2,000.00 per composite mat will be assessed for all damaged or non-returned mats. Damage for the crane/timber mats is defined as three or more broken cants. Damage for the composite mats is defined as cracked or broken mats.

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, cutting and skidding occur during dry summer or frozen winter conditions. The reason for the recommendation is because ~2.5 acres on the Payment Units east boundary is dominated by black spruce growing on transitional lower/wet ground that may prove to be operationally difficult.

5.2.32 - Decking/landing restoration (9/13)

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

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

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

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 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.

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

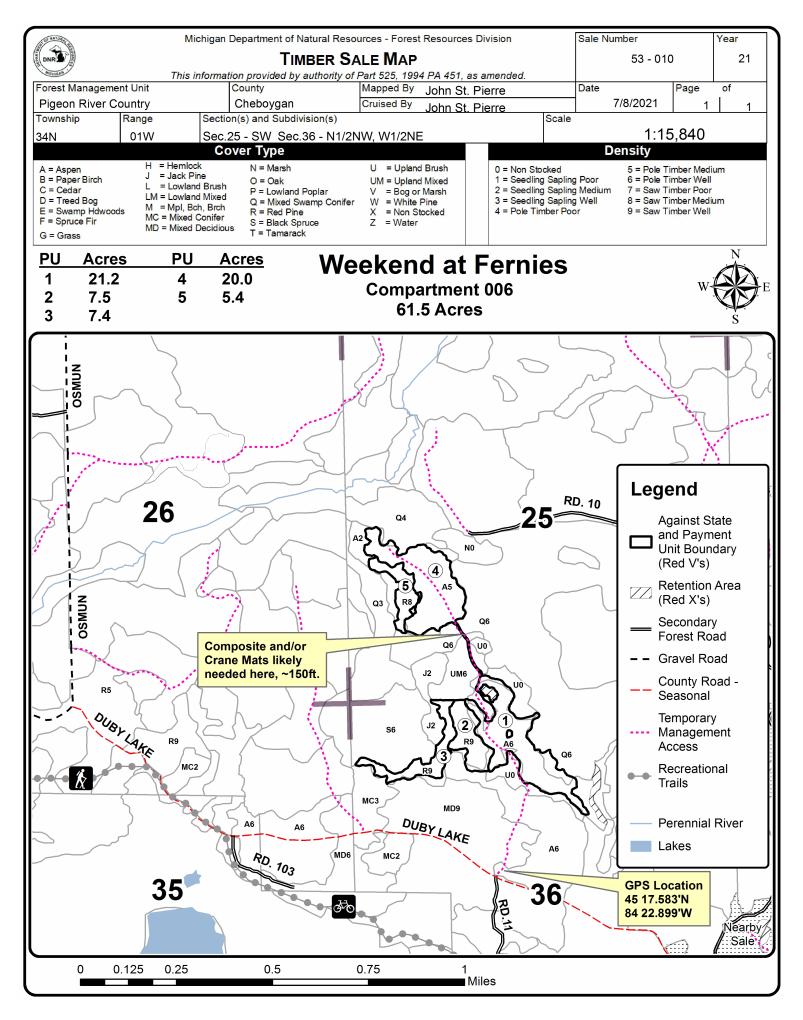
All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an on-site evaluation and recommendation can be made, if necessary.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on haul 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

Sparr Road TSI (53-011-21) T31N, R01W, SEC. 30. Otsego County (Advertised Price \$8,995.25)

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 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*	ADVE	ERTISED PRICE
Sawtimber				
B. T. Aspen	10.6	MBF	\$	50.00 / MBF
Basswood	4.8	MBF	\$	44.00 / MBF
Beech	5.0	MBF	\$	50.00 / MBF
Red Maple	4.1	MBF	\$	46.00 / MBF
Sugar Maple	11.4	MBF	\$	382.00 / MBF
Pulpwood				
Basswood	108	Cords	\$	6.05 / Cord
Mixed Aspen	88	Cords	\$	15.50 / Cord
Mixed Hardwood	115	Cords	\$	12.55 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.58 percent. There are an estimated 412 cords on this timber sale, plus or minus 52 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 \$900.00 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
42.6%
44.1%
13.3%

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

5. Operations on the contract issued will terminate on 06/30/2025.

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.

VOL	UME		STATISTICAL RA	ANGE IN CORDS
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
32,581	412	12.58%	361	464

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.

	VOLI	UME		RANGE II	N CORDS
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
52	5,674	72	27.39%	52	91
55	24,620	312	14.17%	267	356
TOTAL:	30,294	383		320	447

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
52	5.5	3	5.5
55	31.7	1	15.7
		2	16.0
TOTAL:	37.2		37.2

DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	3.8	MBF	15.7	\$3,827.55
	Basswood		2.4	MBF		
	Beech		2.5	MBF		
	Sugar Maple		5.6	MBF		
	Basswood	Pulpwood	53	Cords		
	Mixed Aspen		19	Cords		
	B. T. Aspen		19	Cords		
	Mixed Hardwood		52	Cords		
	Beech		15	Cords		
	Ironwood		6	Cords		
	Red Maple		1	Cords		
	Sugar Maple		30	Cords		
2	B. T. Aspen	Sawtimber	3.8	MBF	16.0	\$3,969.20
	Basswood		2.4	MBF		
	Beech		2.5	MBF		
	Sugar Maple		5.8	MBF		
	Basswood	Pulpwood	55	Cords		
	Mixed Aspen		20	Cords		
	B. T. Aspen		20	Cords		
	Mixed Hardwood		55	Cords		
	Beech		15	Cords		
	Ironwood		7	Cords		
	Red Maple		2	Cords		
	Sugar Maple		31	Cords		
3	B. T. Aspen	Sawtimber	3.0	MBF	5.5	\$1,198.50
	Red Maple		4.1	MBF		
	Mixed Aspen	Pulpwood	49	Cords		
	B. T. Aspen		46	Cords		
	Quaking Aspen		3	Cords		
	Mixed Hardwood		8	Cords		
	Red Maple		8	Cords		
		TOTAL:	35.9	MBF		
		TOTAL:	311	Cords		

Sale Specific Conditions & Requirements

Sale Number: 53-011-21 Seg#: 1

Sale Name: Sparr Road TSI

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue, red, and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. All 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) 3, cut all trees that are two (2) inches or more at DBH, except do not cut any trees marked with green paint.

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

Within Payment Unit(s) 1 - 2, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, cut all beech and ironwood trees greater than 4 inches at DBH, except for those marked with green paint.

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 - 2. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

2.2.7 - Uncut designated trees (2/04)

Liquidated damages of \$5.00 per tree will be assessed for every marked tree not cut.

2.2.9 - No chipping permitted (12/08)

Within Payment Unit(s) 1 - 2, all wood must be removed by roundwood. No chipping is permitted.

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 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

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)

Overgrown roads that are reopened 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. These roads must be rendered impassable to cars and trucks. Contact the sale administrator for specific details of design and placement.

4.1.12 - No new roads (1/12)

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

4.2 - Maintenance

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

5.1.3 - Well heads and natural gas pipelines (11/15)

The Purchaser is responsible for contacting the gas or pipeline company 15 days prior to operating equipment in the vicinity of well heads or natural gas pipelines. Written permission is required before harvest operations begin and must be submitted to the Unit Manager.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation, the Sale Area shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. Stumps shall be cut low to the ground. Processing sites shall not be left with a compacted layer of slash; tops from these sites shall be hauled back into the cut area and scattered.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

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

5.2.3 - Operating Restrictions

5.2.3.3 - Bark slippage restriction (3/09)

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

5.2.4 - Dead and Down Creation

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5.2.4.3 - Dead and down creation, dead trees (6/07)
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Except as provided for in General Condition and Requirement 5.2.2, no dead trees, standing or down, are to be cut, skidded, or processed. This includes all ash trees.

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

To encourage grouse and other wildlife, in Payment Unit(s) 3, leave one, 12" diameter or larger log-length (8 foot minimum) piece on the ground for every 1 acre. These will be evenly scattered throughout the Payment Unit.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 3, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because of seasonally wet ground within the Payment Unit.

5.2.31 - Landing locations (9/13)

Recommended landing areas are in all active gas well sites, which are labeled on the Timber Sale Map as G0. Landings must be confined to these designated sites unless otherwise authorized by the Unit Manager or his/her representative.

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

5.4.2 - Skid trails (2/04)

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

5.4.4 - 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.

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

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

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

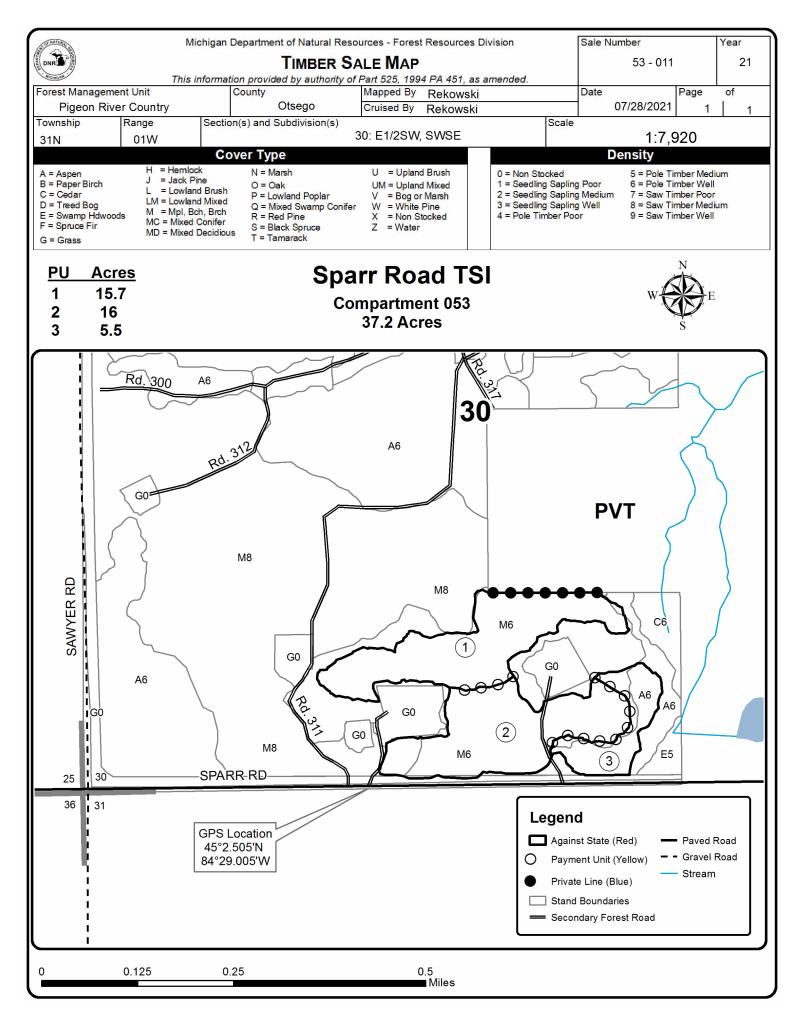
The Purchaser is responsible for posting and maintaining caution signs on Sparr Road prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed.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

7 - Other Conditions

7.5 - Loss

7.5.1 - Deteriorating timber (7/09)

The sale area has received damage from beech bark disease. The Purchaser should harvest the wood as soon as possible. The Department of Natural Resources is held free of responsibility of any further damage or deterioration due to delay in harvesting.



TIMBER SALE / SEALED BID STATE OF MICHIGAN / DNR

BID FORM

_____ Date:_____

Green Timbers Pine (53-008-21)

T32N, R02W, SEC. 15; T32N, R02W, SEC. 16; Otsego COUNTY

In response to the notice of sale to be held 9:00 a.m. (local time) on September 30, 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	BID PRICE/UNIT
Red Pine	102.7 MBF	\$ 77.00/MBF	\$
White Pine	95.1 MBF	\$ 50.00/MBF	\$
Pulpwood			
Mixed Aspen	84 Cords	\$ 15.50/Cord	\$
Red Maple	24 Cords	\$ 12.55/Cord	\$
Red Pine	173 Cords	\$ 33.40/Cord	\$
White Pine	150 Cords	\$ 24.15/Cord	\$

*The volumes are statistically estimated within plus (+) or minus (-) 9.35 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):_____

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 must	check <u>one</u> of the	boxes below):	:
	Sole Proprietorship (individual)			
	Partnership			
C. [Corporation			
2. You	u must check <u>one</u> of the boxes below	v:		
A. [I certify my business is a sole propriet Worker's Compensation Laws.	orship and it has no	employees but	the sole proprietor. I am not subject to the
	Exclusion (BWC-337, Rev. 5/96). I w questions or a copy of the BWC-337,	ill provide a copy of please call the Wor	the Notice of Ex ker's Compensa	sation Act through the use of an approved Notice of xclusion within 21 days of the contract award. (For ation Bureau at 517-322-1195). an original Certificate of Insurance within twenty-
	one (21) days of the contract award.			
	ou have checked item 2(A) or 2(B), n yourself, including family members			of both full-time and part-time employees, other ou must enter "0").
	Full-time Er	nnlovees		Part-time Employees
		npioyees		
Name of E	Business		Federal ID (or)	Social Security No.
Address			Telephone	
Otto		Otata		
City		State	ZIP	
	certify that the above information is s affecting my coverage during any o			tify the Michigan DNR of any changes that occur ions.
Signati	ure of Owner or Authorized Representative			
Title			Da	te

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

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

TIMBER SALE / SEALED BID STATE OF MICHIGAN / DNR

BID FORM

Weekend at Fernies (53-010-21)

T34N, R01W, SEC. 25; T34N, R01W, SEC. 36; Cheboygan COUNTY

In response to the notice of sale to be held 9:00 a.m. (local time) on September 30, 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 VC	<u>)LUME*</u>	<u>ADV</u>	ERTISED PRICE	BID PRICE/UNIT
Mixed Aspen	57.6 M	BF	\$	50.00/MBF	\$
Red Pine	52.2 M	BF	\$	77.00/MBF	\$
White Pine	4.1 M	BF	\$	50.00/MBF	\$
Pulpwood					
Balsam Fir	18 Co	ords	\$	19.70/Cord	\$
Black Spruce	90 Co	ords	\$	15.40/Cord	\$
Jack Pine	13 Co	ords	\$	12.05/Cord	\$
Mixed Aspen	923 Co	ords	\$	15.50/Cord	\$
Red Maple	59 Co	ords	\$	12.55/Cord	\$
Red Oak	4 Co	ords	\$	57.35/Cord	\$
Red Pine	111 Co	ords	\$	33.40/Cord	\$
White Pine	50 Co	ords	\$	24.15/Cord	\$

*The volumes are statistically estimated within plus (+) or minus (-) 8.52 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:

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 must	check <u>one</u> of the	boxes below):	:
	Sole Proprietorship (individual)			
	Partnership			
C. [Corporation			
2. You	u must check <u>one</u> of the boxes below	v:		
A. [I certify my business is a sole propriet Worker's Compensation Laws.	orship and it has no	employees but	the sole proprietor. I am not subject to the
	Exclusion (BWC-337, Rev. 5/96). I w questions or a copy of the BWC-337,	ill provide a copy of please call the Wor	the Notice of Ex ker's Compensa	sation Act through the use of an approved Notice of xclusion within 21 days of the contract award. (For ation Bureau at 517-322-1195). an original Certificate of Insurance within twenty-
	one (21) days of the contract award.			
	ou have checked item 2(A) or 2(B), n yourself, including family members			of both full-time and part-time employees, other ou must enter "0").
	Full-time Er	nnlovees		Part-time Employees
		npioyees		
Name of E	Business		Federal ID (or)	Social Security No.
Address			Telephone	
Otto		Otata		
City		State	ZIP	
	certify that the above information is s affecting my coverage during any o			tify the Michigan DNR of any changes that occur ions.
Signati	ure of Owner or Authorized Representative			
Title			Da	te

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

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

TIMBER SALE / SEALED BID STATE OF MICHIGAN / DNR

BID FORM

_____ Date:____

Sparr Road TSI (53-011-21) T31N, R01W, SEC. 30; Otsego COUNTY

In response to the notice of sale to be held 9:00 a.m. (local time) on September 30, 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	BID PRICE/UNIT
B. T. Aspen	10.6	MBF	\$	50.00/MBF	\$
Basswood	4.8	MBF	\$	44.00/MBF	\$
Beech	5.0	MBF	\$	50.00/MBF	\$
Red Maple	4.1	MBF	\$	46.00/MBF	\$
Sugar Maple	11.4	MBF	\$	382.00/MBF	\$
Pulpwood					
Basswood	108	Cords	\$	6.05/Cord	\$
Mixed Aspen	88	Cords	\$	15.50/Cord	\$
Mixed Hardwood	115	Cords	\$	12.55/Cord	\$

*The volumes are statistically estimated within plus (+) or minus (-) 12.58 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	re	preser	ntative's	signature
mannauai	U.	company	10	preser	nunve 5	Signature

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

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

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

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