



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN**

**TIMBER SALE PROSPECTUS #6731**

SCHEDULED SALE DATE AND TIME: 3:00 p.m. (local time) on December 23, 2020.

LOCATION: GAYLORD MGMT UNIT, 1732 WEST M 32, GAYLORD, MI 49735.

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

Cinder Hill Mix (52-010-20) / T29N, R06W, SEC. 1 , SESE.

T29N, R06W, SEC. 12, N1/2NE.

Antrim County, Advertised Price \$35,897.05, 30.1 Acres, Red Pine, Hardwood.

SALE NOTE: Sale is located adjacent to Cinder Hill Road, relatively flat terrain and easy access. Lots of brush in stands 43 and 47.

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.

Allright Red Pine (52-016-20) / T29N, R06W, SEC. 36, NWSW,S1/2SW.

Antrim County, Advertised Price \$105,810.55, 63.8 Acres, Red Pine, Hardwood.

SALE NOTE: Heavy under story, chipping required, closest good county road is to the south in Kalkaska County (Starvation Lake Road)

Walton Rd Hardwoods (52-018-20) / T33N, R04W, SEC. 23, NWNW,S1/2NW,SW,SWSE.

Charlevoix County, Advertised Price \$169,171.75, 155.8 Acres, Hardwood, Sugar Maple.

SALE NOTE: This sale has bark slippage restrictions. The snowmobile trail will need to be protected during operations.

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.

Slippery Slope Mostly Oak (52-020-20) / T33N, R04W, SEC. 22, NW,N1/2SW,SESW,W1/2SE.

Charlevoix County, Advertised Price \$143,915.90, 162.9 Acres, Hardwood, Red Oak.

SALE NOTE: Oak wilt restrictions apply, rolling to steep terrain throughout the sale area.

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

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

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

Bids must be received by the Unit Manager, GAYLORD OFFICE, 1732 West M 32, Gaylord, MI 49735, no later than 3:00 p.m. (local time) on December 23, 2020. For further information concerning this sale, contact Lucas Merrick at 989-732-3541 extension 5440.

### 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](http://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](http://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

### Cinder Hill Mix (52-010-20)

T29N, R06W, SEC. 1; T29N, R06W, SEC. 12.  
Antrim County (Advertised Price \$35,897.05)

SALE NOTE: Sale is located adjacent to Cinder Hill Road, relatively flat terrain and easy access. Lots of brush in stands 43 and 47.

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

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the T-Sale computer program and our traditional volume equations. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
<b>Sawtimber</b>		
B. T. Aspen	1.7 MBF	\$ 43.00 / MBF
Basswood	36.5 MBF	\$ 34.00 / MBF
Beech	6.0 MBF	\$ 48.00 / MBF
Quaking Aspen	5.9 MBF	\$ 43.00 / MBF
Red Maple	1.5 MBF	\$ 52.00 / MBF
Red Pine	196.4 MBF	\$ 83.00 / MBF
Sugar Maple	36.6 MBF	\$ 138.00 / MBF
<b>Pulpwood</b>		
B. T. Aspen	2 Cords	\$ 12.90 / Cord
Basswood	144 Cords	\$ 5.55 / Cord
Mixed Hardwood	153 Cords	\$ 16.75 / Cord
Quaking Aspen	29 Cords	\$ 12.90 / Cord
Red Pine	258 Cords	\$ 34.30 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 17.69 percent. There are an estimated 1,155 cords on this timber sale, plus or minus 204 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 \$1,795.00 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	37.7%
02	62.3%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2023.

### **SALE STATISTICS**

#### **SALE VOLUMES**

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
91,210	1,155	17.69%	950	1,359

**VDU VOLUMES**

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

VDU	VOLUME		PERCENT ERROR	RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
12	22,799	289	45.16%	158	419
43	22,262	282	31.07%	194	369
47	35,274	447	22.88%	344	549
104	10,886	138	42.34%	79	196
<b>TOTAL:</b>	<b>91,221</b>	<b>1,155</b>		<b>776</b>	<b>1,533</b>

**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
12	9.5	1	9.5
43	7.4	1	5.4
		2	2.0
47	9.3	2	9.3
104	3.9	2	3.9
<b>TOTAL:</b>	<b>30.1</b>		<b>30.1</b>

**DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
1	Basswood	Sawtimber	24.6	MBF	14.9	\$13,516.05	
	Beech		2.0	MBF			
	Quaking Aspen		5.4	MBF			
	Red Maple		1.5	MBF			
	Red Pine		53.9	MBF			
	Sugar Maple		20.4	MBF			
	Basswood		Pulpwood	90			Cords
	Mixed Hardwood			87			Cords
	<i>Beech</i>			15			<i>Cords</i>
	<i>Red Maple</i>			7			<i>Cords</i>
	<i>Sugar Maple</i>	65		<i>Cords</i>			
	Quaking Aspen	22		Cords			
	Red Pine	80		Cords			
	2	B. T. Aspen	Sawtimber	1.7			MBF
Basswood		11.9		MBF			
Beech		4.0		MBF			
Quaking Aspen		0.5		MBF			
Red Pine		142.5		MBF			
Sugar Maple		16.2		MBF			
B. T. Aspen		Pulpwood		2	Cords		
Basswood				54	Cords		
Mixed Hardwood				66	Cords		
<i>Beech</i>				11	<i>Cords</i>		
<i>Sugar Maple</i>			55	<i>Cords</i>			
Quaking Aspen			7	Cords			
Red Pine			178	Cords			
TOTAL:			284.6	MBF			
TOTAL:			586	Cords			

## Sale Specific Conditions & Requirements

**Sale Name: Cinder Hill Mix**

**Sale Number: 52-010-20 Seq#: 1**

### 1 - Sale Area

#### 1.2 - Boundaries

##### 1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by red paint as well as Cinder Hill Road. Exterior sale boundary lines against state are marked with red paint. Cinder Hill Road defines the eastern boundary of the sale area. 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

##### 2.1.1 - 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.

##### 2.1.11 - Description of timber note (2/04)

Note that Mixed Hardwood includes red maple, sugar maple, and beech.

#### 2.2 - Utilization

##### 2.2.2 - Chipping required (2/18)

This area must be chip harvested to facilitate future silvicultural activities. The Purchaser has the option to produce sawlogs or pulpwood bolts, however the remaining portion of the trees must be chipped and hauled. 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 in order to minimize the amount of residual slash. If market conditions limit the practicality of chipping, tops and slash must be arranged in a way that will not inhibit future planting operations, as directed by the sale administrator. A chipping exemption can be obtained if proposed operations are determined to be suitable for planting by reforestation staff. This exemption must be granted in writing. 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).

##### 2.2.3 - Stump heights (4/07)

Stump heights within the sale area shall not exceed six (6) inches for all trees. This is in order to facilitate planting operations.

### 3 - Payments

#### 3.3 - Pre-measured Sales

##### 3.3.4 - Dividing payment units (7/14)

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

### 4 - Transportation

#### 4.1 - Construction

##### 4.1.3 - Slash and earthen piles (8/04)

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

##### 4.1.4 - Timber removed for construction (12/09)

Trees cut or damaged in the process of pre-approved road, landing or skid trail construction will be decked in an area separate from other Designated Timber and not removed until measured by the sale administrator. Payment will be made at the specified Purchase Unit Price.

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



No new roads will be permitted within 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.

##### 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 and MISS DIG 30 days prior to operating equipment in the vicinity of well heads or natural gas pipelines.

#### 5.2 - Conduct of Operations

##### 5.2.1 - Slash

###### 5.2.1.1 - Slash within sale area (9/16)

No trees are to be felled outside the sale area and all slash is to be kept at least twenty five (25) feet back from the red paint line. If sale boundary lines are along a public road or highway, then slash must be removed 50' from these lines per General Condition & Requirement 5.2.1.

###### 5.2.1.8 - Slash height (12/08)

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

##### 5.2.2 - Hazard Trees/Snags

###### 5.2.2.1 - Den trees (10/16)

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

##### 5.2.3 - Operating Restrictions

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

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4 mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

###### 5.2.32 - Decking/landing restoration (9/13)

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

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

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

#### 5.4 - Soil Protection

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

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

#### 5.4.2 - Skid trails (2/04)

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

### 5.8 - Protection of Endangered Species

#### 5.8.5 - Protection of raptor nests (3/13)

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

## 6 - Safety and Fire Prevention

### 6.2 - Signing

#### 6.2.1 - Road posting (9/09)

The Purchaser is responsible for posting and maintaining caution signs on Cinder Hill 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 shall provide these signs.

#### 6.2.3 - Recreational trail posting (2/10)

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

## 8 - Performance and Settlement

### 8.3 - Uncompleted or Terminated Contracts

#### 8.3.1 - Completion of contract, chipping (1/16)

In addition to cutting, all chipping must be completed by the contract expiration date. If chipping has not been completed, an extension fee or damages may be charged per General Condition & Requirement 7.2 and 8.3.



# TIMBER SALE MAP

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

Forest Management Unit Gaylord	County Antrim	Mapped By Crew	Date 03/06/2020	Page 1	of 1
Township 29N	Range 06W	Section(s) and Subdivision(s) 1 - SE/SE, 12 - N1/2NE	Scale 1:15,840		

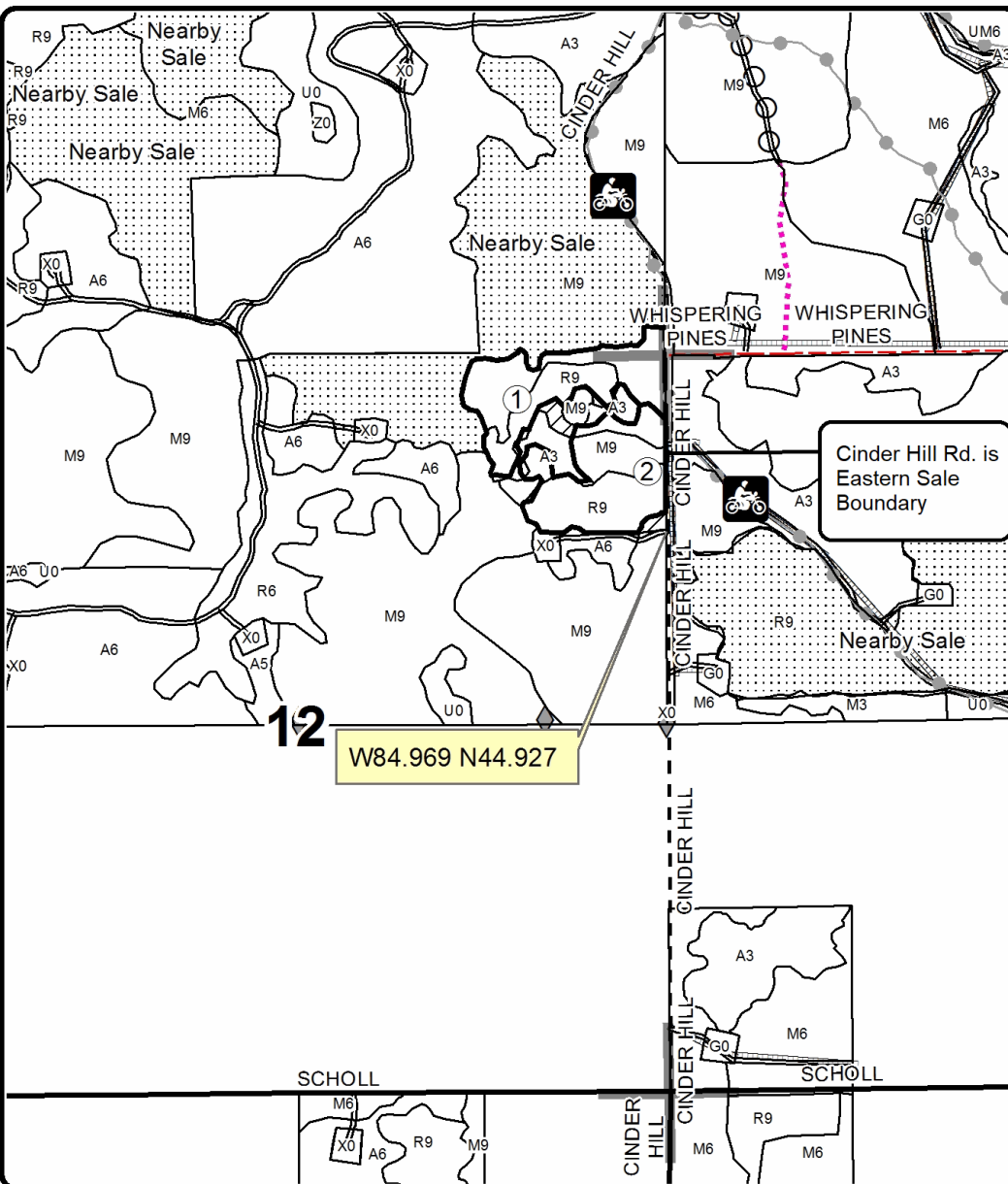
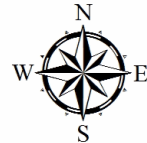
Cover Type				Density			
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium		
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well		
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling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

PU	Acres	PU	Acres
1	14.9		
2	15.2		

## Cinder Hill Mix

### Compartment 061

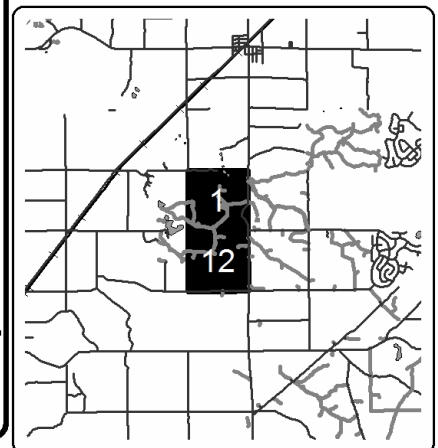
30.1 Acres



### Legend

- Stand Boundaries (red)
- Retention Area (red)
- Nearby Timber Sales
- Recreational Trail
- Field Grade Corners
- Secondary Forest Road
- Paved Road
- Gravel Road
- County Road - Seasonal
- Temporary Management Access
- Section Corners

Locator Map  
1:200,000





**TIMBER SALE INFORMATION**

Allright Red Pine (52-016-20)  
 T29N, R06W, SEC. 36.  
 Antrim County (Advertised Price \$105,810.55)

SALE NOTE: Heavy under story, chipping required, closest good county road is to the south in Kalkaska County (Starvation Lake Road)

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the T-Sale computer program and our traditional volume equations. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Quaking Aspen	1.6 MBF	\$ 39.00 / MBF
Red Pine	853.2 MBF	\$ 76.00 / MBF
Pulpwood		
Basswood	35 Cords	\$ 5.05 / Cord
Mixed Hardwood	67 Cords	\$ 15.20 / Cord
Quaking Aspen	26 Cords	\$ 11.70 / Cord
Red Pine	1,263 Cords	\$ 31.20 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 11.96 percent. There are an estimated 3,101 cords on this timber sale, plus or minus 371 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:**

- A bond in the amount of \$5,291.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
- Cutting in any sale or unit without the required advance payment would be considered a trespass.
- Total payment must be paid in advance or according to the following schedule :
  - Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
  - The 10% down payment will be credited towards the first unit cut.
  - 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	36.8%
02	33.7%
03	29.5%
- If no cutting takes place, the 10% down payment will not be refunded.
- Operations on the contract issued will terminate on 12/31/2022.

**SALE STATISTICS**

**SALE VOLUMES**

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
245,004	3,101	11.96%	2,730	3,472

**VDU VOLUMES**

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

VDU	VOLUME			RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
96	244,995	3,101	11.96%	2,730	3,472
<b>TOTAL:</b>	<b>244,995</b>	<b>3,101</b>		<b>2,730</b>	<b>3,472</b>

**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	63.8	1	23.5
		2	21.5
		3	18.8
<b>TOTAL:</b>	<b>63.8</b>		<b>63.8</b>

**DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Quaking Aspen	Sawtimber	0.6	MBF	23.5	\$38,984.35
	Red Pine		314.3	MBF		
	Basswood	Pulpwood	13	Cords		
	Mixed Hardwood		26	Cords		
	<i>Black Cherry</i>		12	<i>Cords</i>		
	<i>Ironwood</i>		3	<i>Cords</i>		
	<i>Sugar Maple</i>		11	<i>Cords</i>		
	Quaking Aspen		9	Cords		
	Red Pine		465	Cords		
	2	Quaking Aspen	Sawtimber	0.5		
Red Pine			287.5	MBF		
Basswood		Pulpwood	12	Cords		
Mixed Hardwood			22	Cords		
<i>Black Cherry</i>			10	<i>Cords</i>		
<i>Ironwood</i>			3	<i>Cords</i>		
<i>Sugar Maple</i>			9	<i>Cords</i>		
Quaking Aspen			9	Cords		
Red Pine			426	Cords		
3		Quaking Aspen	Sawtimber	0.5	MBF	18.8
	Red Pine		251.4	MBF		
	Basswood	Pulpwood	10	Cords		
	Mixed Hardwood		19	Cords		
	<i>Black Cherry</i>		9	<i>Cords</i>		
	<i>Ironwood</i>		2	<i>Cords</i>		
	<i>Sugar Maple</i>		8	<i>Cords</i>		
	Quaking Aspen		8	Cords		
	Red Pine		372	Cords		
	TOTAL:			854.8	MBF	
TOTAL:			1,391	Cords		

# Sale Specific Conditions & Requirements

**Sale Name: Allright Red Pine**

**Sale Number: 52-016-20 Seq#: 1**

## 1 - Sale Area

### 1.2 - Boundaries

#### 1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by red and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

## 2 - Timber Specifications

### 2.1 - Included Timber

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

Within Payment Unit(s) 1, 2 and 3, cut all trees that are two (2) inches or more at DBH.

### 2.2 - Utilization

#### 2.2.2 - Chipping required (2/18)

This area must be chip harvested to facilitate future silvicultural activities. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portion of the trees must be chipped and hauled. 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 in order to minimize the amount of residual slash. If market conditions limit the practicality of chipping, tops and slash must be arranged in a way that will not inhibit future planting operations, as directed by the sale administrator. A chipping exemption may be obtained if proposed operations are determined to be suitable for planting by reforestation staff. This exemption must be granted in writing. 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).

#### 2.2.3 - Stump heights (4/07)

Stump heights within the sale area shall not exceed six (6) inches for all trees. This is in order to facilitate planting operations. A written waiver of this requirement may be obtained if wet summer weather makes winter logging necessary.

## 3 - Payments

### 3.3 - Pre-measured Sales

#### 3.3.4 - Dividing payment units (7/14)

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

## 4 - Transportation

### 4.1 - Construction

#### 4.1.3 - Slash and earthen piles (8/04)

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

#### 4.1.4 - Timber removed for construction (12/09)

Trees cut or damaged in the process of pre-approved road, landing or skid trail construction will be decked in an area separate from other Designated Timber and not removed until measured by the sale administrator. Payment will be made at the specified Purchase Unit Price.

#### 4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be

severed and laid flat on the ground. Slash shall be scattered, not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

#### 4.1.7 - Road closure (10/11)

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

### 4.2 - 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.

#### 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 and MISS DIG 15 days prior to operating equipment in the vicinity of well heads or natural gas pipelines.

### 5.2 - Conduct of Operations

#### 5.2.1 - Slash

##### 5.2.1.8 - Slash height (12/08)

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

##### 5.2.1.13 - Dispose of slash as directed (12/05)

Slash is to be disposed of as directed by the sale administrator.

#### 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

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

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4 mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

##### 5.2.32 - Decking/landing restoration (9/13)

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

### 5.4 - Soil Protection



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

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

### 5.8 - 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 (9/09)

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



# TIMBER SALE MAP

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

Forest Management Unit Gaylord	County Antrim	Mapped By Crew	Date 06/19/2020	Page 1	of 1
Township 29N	Range 06W	Section(s) and Subdivision(s) 36 - NW/SW, S1/2SW	Scale 1:15,840		

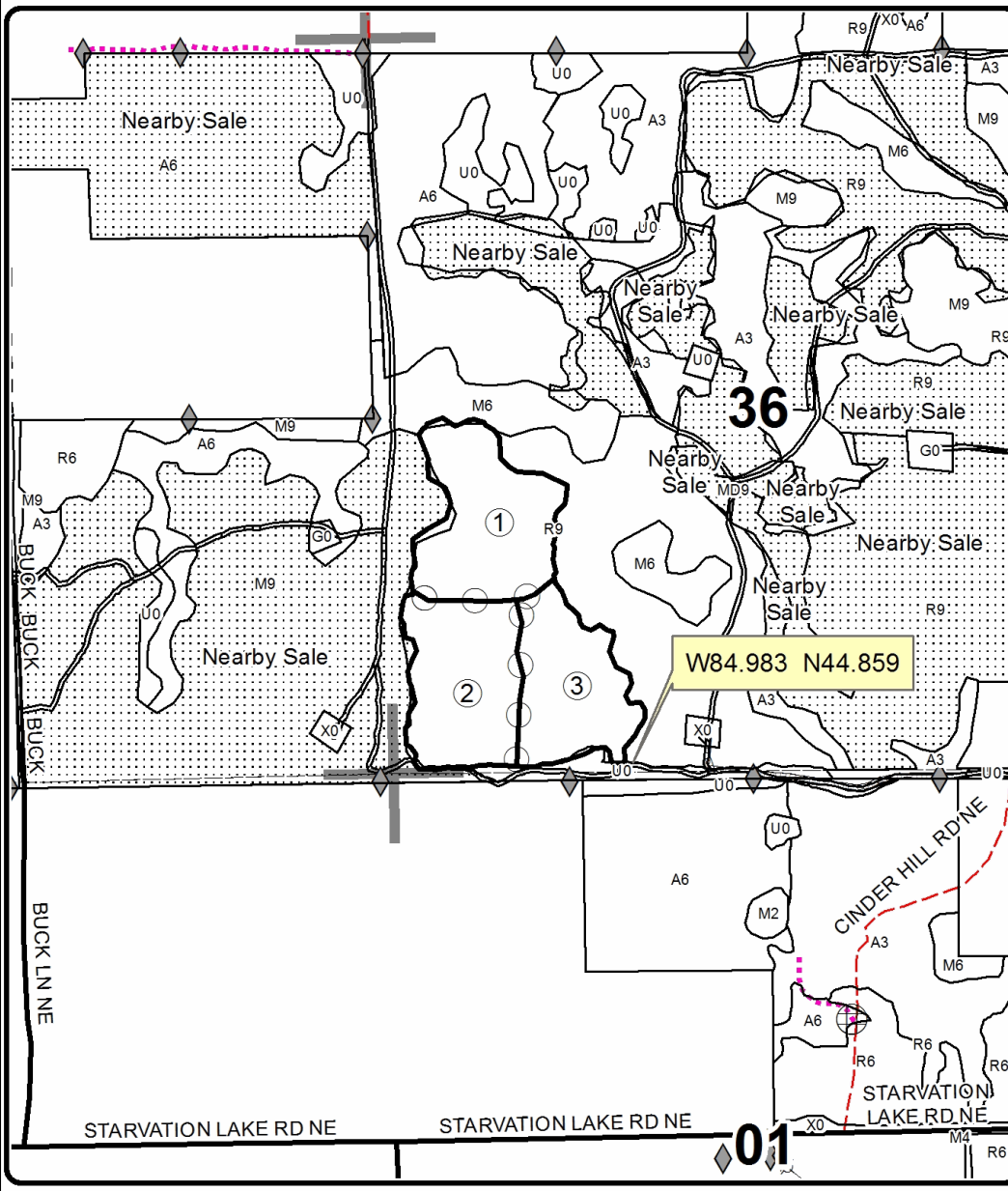
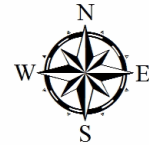
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium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

PU	Acres	PU	Acres
1	23.5		
2	21.5		
3	18.8		

## Allright Red Pine

### Compartment 061

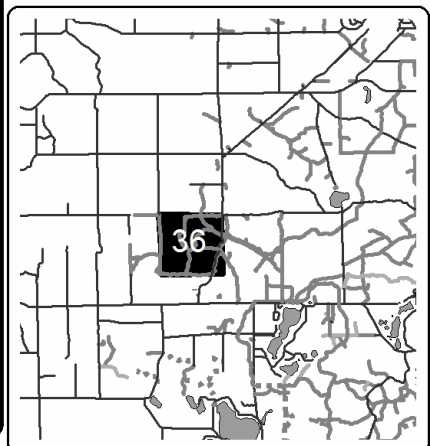
63.8 Acres



### Legend

- Against State (Red)
- Payment Unit (Yellow)
- Nearby Timber Sales
- Stand Boundaries
- Field Grade Corners
- Secondary Forest Road
- Paved Road
- Gravel Road
- County Road - Seasonal
- Temporary Management Access
- Section Corners
- Pipeline
- Powerline

Locator Map  
1:200,000



## TIMBER SALE INFORMATION

Walton Rd Hardwoods (52-018-20)  
T33N, R04W, SEC. 23.  
Charlevoix County (Advertised Price \$169,171.75)

SALE NOTE: This sale has bark slippage restrictions. The snowmobile trail will need to be protected during operations.

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

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the T-Sale computer program and our traditional volume equations. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Basswood	57.9 MBF	\$ 41.00 / MBF
Sugar Maple	689.0 MBF	\$ 205.00 / MBF
Pulpwood		
Basswood	47 Cords	\$ 6.55 / Cord
Mixed Hardwood	1,275 Cords	\$ 19.80 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 14.39 percent. There are an estimated 2,817 cords on this timber sale, plus or minus 405 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 \$8,459.00 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	28.4%
02	24.1%
03	23.4%
04	24.1%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2023.

### **SALE STATISTICS**

#### **SALE VOLUMES**

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
222,504	2,817	14.39%	2,411	3,222

#### **VDU VOLUMES**

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

VDU	VOLUME			RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
5	222,488	2,816	14.39%	2,411	3,222
<b>TOTAL:</b>	<b>222,488</b>	<b>2,816</b>		<b>2,411</b>	<b>3,222</b>

**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
5	155.8	1	44.2
		2	37.6
		3	36.4
		4	37.6
<b>TOTAL:</b>	<b>155.8</b>		<b>155.8</b>

**DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE			
1	Basswood	Sawtimber	16.4	MBF	44.2	\$47,988.70			
	Sugar Maple		195.4	MBF					
	Basswood	Pulpwood	14	Cords					
	Mixed Hardwood		362	Cords					
	<i>Beech</i>	<i>Sawtimber</i>	0.6	<i>MBF</i>					
	<i>Red Oak</i>		1.0	<i>MBF</i>					
	<i>Beech</i>	<i>Pulpwood</i>	5	<i>Cords</i>					
	<i>Red Oak</i>		1	<i>Cords</i>					
	<i>Sugar Maple</i>		353	<i>Cords</i>					
	2	Basswood	Sawtimber	14.0			MBF	37.6	\$40,816.15
Sugar Maple			166.3	MBF					
Basswood		Pulpwood	11	Cords					
Mixed Hardwood			307	Cords					
<i>Beech</i>		<i>Sawtimber</i>	0.6	<i>MBF</i>					
<i>Red Oak</i>			0.7	<i>MBF</i>					
<i>Beech</i>		<i>Pulpwood</i>	4	<i>Cords</i>					
<i>Sugar Maple</i>			301	<i>Cords</i>					
3		Basswood	Sawtimber	13.5	MBF	36.4	\$39,511.15		
		Sugar Maple		161.0	MBF				
	Basswood	Pulpwood	11	Cords					
	Mixed Hardwood		297	Cords					
	<i>Beech</i>	<i>Sawtimber</i>	0.6	<i>MBF</i>					
	<i>Red Oak</i>		0.7	<i>MBF</i>					
	<i>Beech</i>	<i>Pulpwood</i>	4	<i>Cords</i>					
	<i>Sugar Maple</i>		291	<i>Cords</i>					
	4	Basswood	Sawtimber	14.0	MBF			37.6	\$40,816.15
		Sugar Maple		166.3	MBF				
Basswood		Pulpwood	11	Cords					
Mixed Hardwood			307	Cords					
<i>Beech</i>		<i>Sawtimber</i>	0.6	<i>MBF</i>					
<i>Red Oak</i>			0.7	<i>MBF</i>					
<i>Beech</i>		<i>Pulpwood</i>	4	<i>Cords</i>					
<i>Sugar Maple</i>			301	<i>Cords</i>					
TOTAL:			746.9	MBF					
TOTAL:			1,320	Cords					

# Sale Specific Conditions & Requirements

**Sale Name: Walton Rd Hardwoods**

**Sale Number: 52-018-20 Seq#: 1**

## 1 - Sale Area

### 1.2 - Boundaries

#### 1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by 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. The snowmobile trail serves as an unpainted Payment Unit boundary between Payment Units 2 and 3 as shown on the Timber Sale Map. Regeneration gaps are marked with green paint. Painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

## 2 - Timber Specifications

### 2.1 - Included Timber

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

Within Payment Unit(s) 1-4, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within the green painted regeneration gaps, cut all trees which are two (2) inches or more at DBH.

#### 2.1.11 - Description of timber note (2/04)

Note that dead ash (defined as loose bark and no live branches) may be cut throughout the sale area. If cut, it must be skidded and piled separately on the landing. The sale administrator will measure the dead ash and the wood may not be hauled prior to scaling. The Purchaser will be invoiced at the rate of ten (\$10.00) dollars per cord. The Purchaser will have 30 days to pay from the date of the invoice.

## 3 - Payments

### 3.3 - Pre-measured Sales

#### 3.3.4 - Dividing payment units (7/14)

Payment Unit(s) may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract 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 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

## 4 - Transportation

### 4.1 - Construction

#### 4.1.3 - Slash and earthen piles (8/04)

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

#### 4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge.

Disturbed soil shall be feathered into the woods and not left in berms or windrows.

#### 4.1.7 - Road closure (10/11)

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

## 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 operation to determine landing and road locations. The Unit Manager or their representative must be contacted at least 5 days in advance to schedule this conference.

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

The Purchaser is responsible for contacting the gas or pipeline company and MISS DIG 30 days prior to operating equipment in the vicinity of well heads or natural gas pipelines.

#### 5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 5 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 thirty six (36) inches in height.

#### 5.2.2 - Hazard Trees/Snags

##### 5.2.2.1 - Den trees (10/16)

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

#### 5.2.3 - Operating Restrictions

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

Within Payment Unit(s), 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.

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

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

#### 5.2.32 - Decking/landing restoration (9/13)

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

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

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

#### 5.2.41 - 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 road is to be used for hauling during the snowmobile season, then a snow covered base must be left on the trail. The snowmobile trail may not be used for any timber sale operations from December 1 to March 31 without permission from the sale administrator. The snowmobile trail may only

be crossed at right angles. Maintain a twenty (20) foot wide slash, debris, and rut free zone daily using the snowmobile trail as the center-line. No decking of forest products will be permitted along the snowmobile trail during snowmobile season. All stumps within two (2) feet of the snowmobile trail must be cut at ground level. If any tree within two (2) feet of the trail can't be cut at ground level, the stump shall be removed and disposed of according to the direction of the Unit Manager or their representative.

#### 5.4 - Soil Protection

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

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

##### 5.4.2 - Skid trails (2/04)

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

#### 5.8 - Protection of Endangered Species

##### 5.8.5 - Protection of raptor nests (3/13)

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

### 6 - Safety and Fire Prevention

#### 6.2 - Signing

##### 6.2.1 - Road posting (9/09)

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

##### 6.2.2 - Snowmobile trail posting (8/09)

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



Sale Number	Year
52 - 018	20

# TIMBER SALE MAP

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

Forest Management Unit Gaylord	County Charlevoix	Mapped By Matt Foster	Date 7/1/2020	Page 1	of 1
Township 33N	Range 04W	Section(s) and Subdivision(s) Section 23: NWNW, S1/2NW, SW1/4, SW5E	Scale 1:15,840		

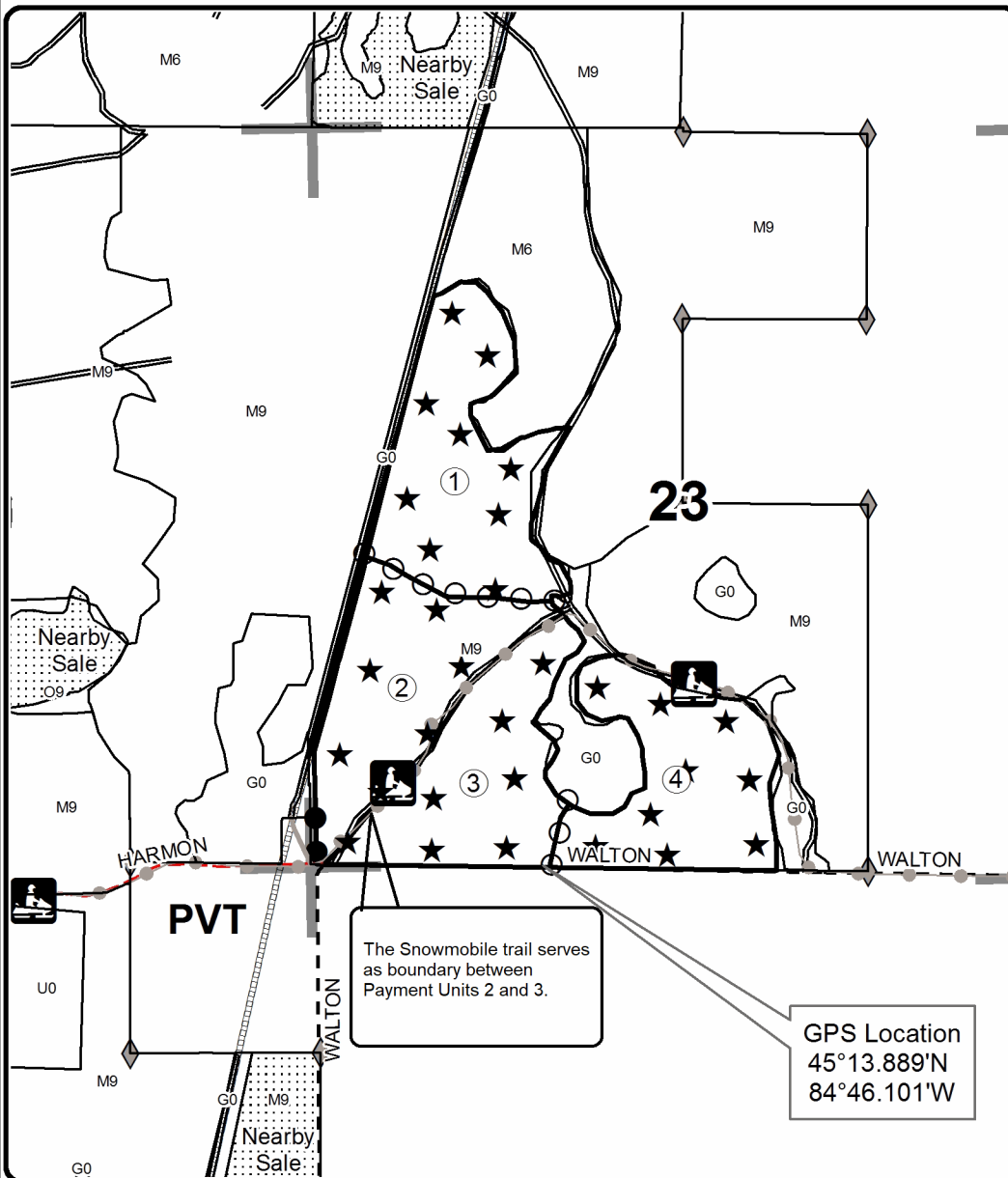
Cover Type				Density			
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium		
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well		
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling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

PU	Acres	PU	Acres
1	44.2	4	37.6
2	37.6		
3	36.4		

## Walton Rd Hardwoods

### Compartment 42

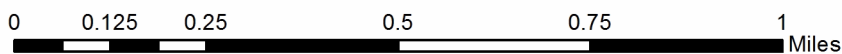
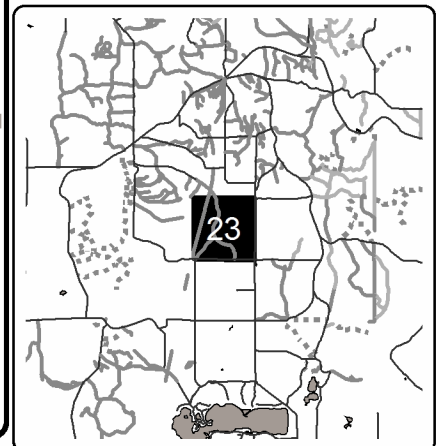
155.8 Acres



### Legend

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Regeneration Gaps (Green)
- Stand Boundaries
- Recreational Trail
- Field Grade Corners
- Secondary Forest Road
- Gravel Road
- County Road - Seasonal
- Private
- Nearby Timber Sales
- Section Corners
- Pipeline

Locator Map  
1:200,000





**TIMBER SALE INFORMATION**

Slippery Slope Mostly Oak (52-020-20)  
 T33N, R04W, SEC. 22.  
 Charlevoix County (Advertised Price \$143,915.90)

SALE NOTE: Oak wilt restrictions apply, rolling to steep terrain throughout the sale area.

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

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the T-Sale computer program and our traditional volume equations. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
<b>Sawtimber</b>		
B. T. Aspen	15.0 MBF	\$ 39.00 / MBF
Basswood	246.6 MBF	\$ 31.00 / MBF
Red Maple	18.3 MBF	\$ 47.00 / MBF
Red Oak	636.0 MBF	\$ 88.00 / MBF
Sugar Maple	296.7 MBF	\$ 158.00 / MBF
<b>Pulpwood</b>		
B. T. Aspen	57 Cords	\$ 11.70 / Cord
Basswood	414 Cords	\$ 5.05 / Cord
Misc. Species 1	294 Cords	\$ 5.00 / Cord
Mixed Hardwood	1,090 Cords	\$ 15.20 / Cord
Red Oak	932 Cords	\$ 12.00 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 6.46 percent. There are an estimated 5,214 cords on this timber sale, plus or minus 337 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:**

- A bond in the amount of \$7,196.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
- Cutting in any sale or unit without the required advance payment would be considered a trespass.
- Total payment must be paid in advance or according to the following schedule :
  - Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
  - The 10% down payment will be credited towards the first unit cut.
  - 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	32.8%
02	31.2%
03	23.2%
04	12.8%
- If no cutting takes place, the 10% down payment will not be refunded.
- Operations on the contract issued will terminate on 12/31/2023.

**SALE STATISTICS**

**SALE VOLUMES**

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
411,892	5,214	6.46%	4,877	5,551

**VDU VOLUMES**

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

VDU	VOLUME		PERCENT ERROR	RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
12	264,800	3,352	8.93%	3,053	3,651
136	147,090	1,862	8.36%	1,706	2,018
<b>TOTAL:</b>	<b>411,890</b>	<b>5,214</b>		<b>4,759</b>	<b>5,669</b>

**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
12	117.6	1	59.9
		2	56.8
		3	0.9
136	45.3	2	0.3
		3	28.8
		4	16.2
<b>TOTAL:</b>	<b>162.9</b>		<b>162.9</b>

**DESCRIPTION OF TIMBER BY PAYMENT UNIT (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE			
1	B. T. Aspen	Sawtimber	7.7	MBF	59.9	\$47,115.30			
	Basswood		114.4	MBF					
	Red Maple		7.4	MBF					
	Red Oak		154.8	MBF					
	Sugar Maple		121.9	MBF					
	B. T. Aspen	Pulpwood	29	Cords					
	Basswood		174	Cords					
	Misc. Species 1		109	Cords					
	Mixed Hardwood		396	Cords					
	<i>Beech</i>	<i>Sawtimber</i>	3.9	<i>MBF</i>					
	<i>Beech</i>	<i>Pulpwood</i>	41	<i>Cords</i>					
	<i>Black Cherry</i>		3	<i>Cords</i>					
	<i>Ironwood</i>		12	<i>Cords</i>					
	<i>Red Maple</i>		12	<i>Cords</i>					
	<i>Sugar Maple</i>		320	<i>Cords</i>					
	Red Oak		188	Cords					
2	B. T. Aspen	Sawtimber	7.2	MBF	57.1	\$44,973.30			
	Basswood		108.5	MBF					
	Red Maple		7.1	MBF					
	Red Oak		149.0	MBF					
	Sugar Maple		116.1	MBF					
	B. T. Aspen	Pulpwood	28	Cords					
	Basswood		166	Cords					
	Misc. Species 1		104	Cords					
	Mixed Hardwood		373	Cords					
	<i>Beech</i>	<i>Sawtimber</i>	3.7	<i>MBF</i>					
	<i>Beech</i>	<i>Pulpwood</i>	38	<i>Cords</i>					
	<i>Black Cherry</i>		2	<i>Cords</i>					
	<i>Ironwood</i>		11	<i>Cords</i>					
	<i>Red Maple</i>		11	<i>Cords</i>					
	<i>Sugar Maple</i>		304	<i>Cords</i>					
	Red Oak		182	Cords					
3	B. T. Aspen	Sawtimber	0.1	MBF	29.7	\$33,430.80			
	Basswood		15.8	MBF					
	Red Maple		2.5	MBF					
	Red Oak		213.5	MBF					
	Sugar Maple		38.2	MBF					
	Basswood	Pulpwood	48	Cords					
	Misc. Species 1		52	Cords					
	Mixed Hardwood		208	Cords					
	<i>Beech</i>	<i>Sawtimber</i>	1.3	<i>MBF</i>					
	<i>Beech</i>	<i>Pulpwood</i>	30	<i>Cords</i>					
	<i>Red Maple</i>		23	<i>Cords</i>					
	<i>Sugar Maple</i>		152	<i>Cords</i>					
	Red Oak		361	Cords					
	4	Basswood	Sawtimber	7.9			MBF	16.2	\$18,396.50
		Red Maple		1.3			MBF		
		Red Oak		118.7			MBF		
Sugar Maple			20.5	MBF					
Basswood		Pulpwood	26	Cords					
Misc. Species 1			29	Cords					
Mixed Hardwood			113	Cords					
<i>Beech</i>		<i>Sawtimber</i>	0.7	<i>MBF</i>					
<i>Beech</i>		<i>Pulpwood</i>	16	<i>Cords</i>					
<i>Red Maple</i>			13	<i>Cords</i>					
<i>Sugar Maple</i>			83	<i>Cords</i>					

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
4 con't	Red Oak	Pulpwood	201	Cords		
TOTAL:			1,212.6	MBF		
TOTAL:			2,787	Cords		

# Sale Specific Conditions & Requirements

**Sale Name: Slippery Slope Mostly Oak**

**Sale Number: 52-020-20 Seq#: 1**

## 1 - Sale Area

### 1.2 - Boundaries

#### 1.2.1 - Painted boundaries (9/19)

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

## 2 - Timber Specifications

### 2.1 - Included Timber

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

Within Payment Unit(s) 1-4, cut all trees that are two (2) inches or more at DBH, except do not cut any hemlock. In addition within Payment Units 1 and 2, do not cut any white pine. Standing dead ash is considered Included Timber and may be harvested and utilized.

#### 2.1.11 - Description of timber note (2/04)

Note that Misc. Species 1 = standing dead ash.

## 3 - Payments

### 3.3 - Pre-measured Sales

#### 3.3.4 - Dividing payment units (7/14)

Payment Unit(s) may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract 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 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

## 4 - Transportation

### 4.1 - Construction

#### 4.1.3 - Slash and earthen piles (8/04)

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

#### 4.1.6 - Road construction (1/09)

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

#### 4.1.7 - Road closure (10/11)

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

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

## 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 operation to determine landing and road locations. The Unit Manager or their representative must be contacted at least 5 days in advance to schedule this conference.

#### 5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 5 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

##### 5.2.1.11 - Slash for reforestation (5/07)

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

#### 5.2.2 - Hazard Trees/Snags

##### 5.2.2.1 - Den trees (10/16)

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

#### 5.2.3 - Operating Restrictions

##### 5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Units 1-4, 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.

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

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

#### 5.2.32 - Decking/landing restoration (9/13)

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

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

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

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

The MCCCT trail is shown on the Timber Sale Map. Do not cut trees or damage posts with trail markers. Trees with trail markers shall be cut off above the markers and at least five (5) feet above ground. All stumps within five (5) feet of the trail must be cut flush with the ground. Maintain a twenty (20) foot wide slash, debris and rut free zone daily using the trail as the center-line. Skidding across the trail or route may only occur in locations approved by the sale administrator.

#### 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 this 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 their representative prior to December 1st. 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. The snowmobile trail may not be used for any timber sale operation from December 1 to March 31 without permission from the Unit Manager. The snowmobile trail may only be crossed at right angles. Maintain a twenty (20) foot wide slash, debris, and rut free zone daily using the snowmobile trail as the center-line. No decking of forest products will be permitted along the snowmobile trail during snowmobile season. All stumps within two (2) feet of the snowmobile trail must be cut at ground level. If any tree cut within two (2) feet of the trail can't be cut at ground level, the stump shall be removed and be disposed of according to the direction of the Unit Manager or their representative.

#### 5.4 - Soil Protection

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

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

##### 5.4.2 - Skid trails (2/04)

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

#### 5.8 - Protection of Endangered Species

##### 5.8.5 - Protection of raptor nests (3/13)

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

## 6 - Safety and Fire Prevention

#### 6.2 - Signing

##### 6.2.1 - Road posting (9/09)

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

##### 6.2.2 - Snowmobile trail posting (8/09)

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

##### 6.2.3 - Recreational trail posting (2/10)

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



# TIMBER SALE MAP

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

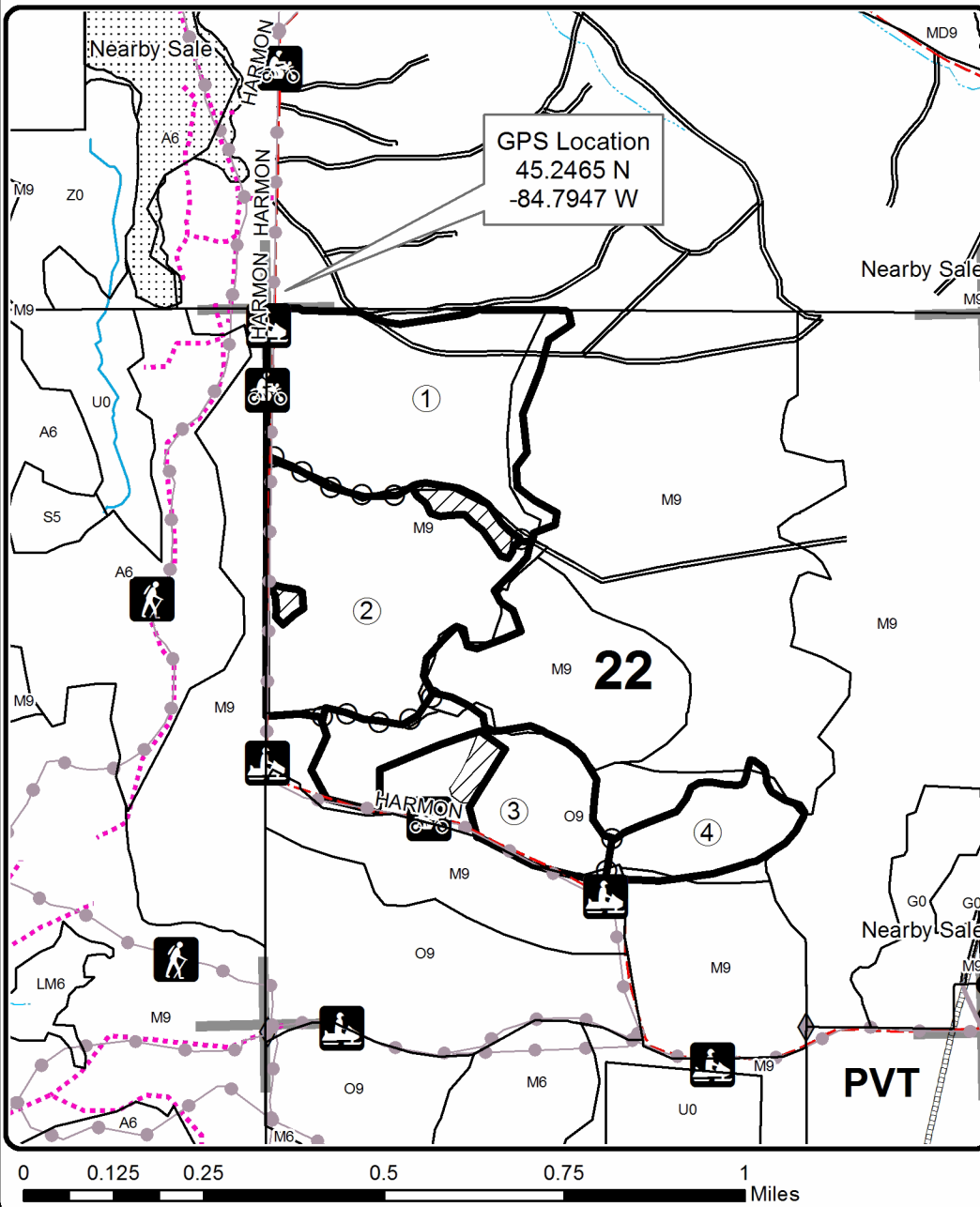
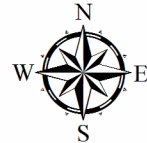
Forest Management Unit Gaylord	County Charlevoix	Mapped By Matt Foster	Date 7/27/2020	Page 1	of 1
Township 33N	Range 04W	Section(s) and Subdivision(s) Section 22: NW1/4, N1/2SW, SESW, W1/2SE	Scale 1:15,840		

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

PU	Acres	PU	Acres
1	59.9	4	16.2
2	57.1		
3	29.7		

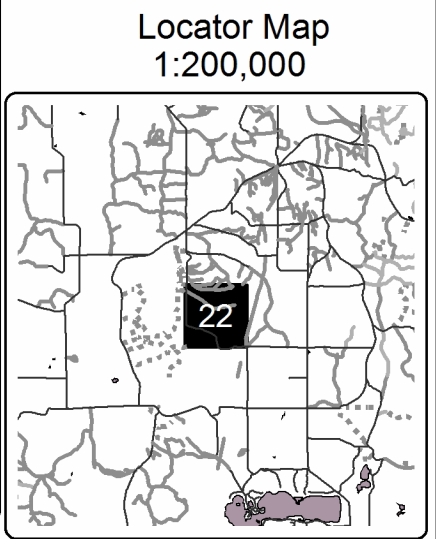
## Slippery Slope Mostly Oak

Compartment 42  
162.9 Acres



### Legend

- Sale Boundary (Red)
- Payment Unit (Yellow)
- Retention Area (Red)
- Stand Boundaries
- Recreational Trail
- Field Grade Corners
- Secondary Forest Road
- County Road - Seasonal
- Private
- Temporary Management Access
- Intermittent Stream
- Perennial River
- Nearby Timber Sales
- Section Corners





Cinder Hill Mix (52-010-20)  
T29N, R06W, SEC. 1; T29N, R06W, SEC. 12; Antrim COUNTY

In response to the notice of sale to be held 3:00 p.m. (local time) on December 23, 2020, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
<b>Sawtimber</b>			
B. T. Aspen	1.7 MBF	\$ 43.00/MBF	\$ _____
Basswood	36.5 MBF	\$ 34.00/MBF	\$ _____
Beech	6.0 MBF	\$ 48.00/MBF	\$ _____
Quaking Aspen	5.9 MBF	\$ 43.00/MBF	\$ _____
Red Maple	1.5 MBF	\$ 52.00/MBF	\$ _____
Red Pine	196.4 MBF	\$ 83.00/MBF	\$ _____
Sugar Maple	36.6 MBF	\$ 138.00/MBF	\$ _____
<b>Pulpwood</b>			
B. T. Aspen	2 Cords	\$ 12.90/Cord	\$ _____
Basswood	144 Cords	\$ 5.55/Cord	\$ _____
Mixed Hardwood	153 Cords	\$ 16.75/Cord	\$ _____
Quaking Aspen	29 Cords	\$ 12.90/Cord	\$ _____
Red Pine	258 Cords	\$ 34.30/Cord	\$ _____

\*The volumes are statistically estimated within plus (+) or minus (-) 17.69 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

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

FEDERAL ID: \_\_\_\_ - \_\_\_\_ - \_\_\_\_ or SOCIAL SECURITY NUMBER: \_\_\_\_ - \_\_\_\_ - \_\_\_\_

Company or individual bidding: \_\_\_\_\_

Company representative's name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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

Individual or company representative's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Phone number : \_\_\_\_\_ Email (optional): \_\_\_\_\_

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



<b>FOR DEPARTMENT USE ONLY</b>	
Sale Number (XX - XXX - XX - XX)	
Forest Management Unit:	

# TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

As required by Act 317, P.A. 1969 (Worker's Compensation) and  
Part 5 of Act 451 of 1994, as amended.

## VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

- This verification must be completed and submitted within 21 days of contract award and prior to the issuance of the timber sale contract.
- In addition, if boxes 2B or 2C are checked, then Notice of Exclusion or Certificate of Insurance must be submitted within twenty-one (21) days of the contract award and prior to the issuance of the timber sale contract.
- All information must be typed or printed except for written signatures.

Please Check Appropriate Categories:

1. My business is organized as (you **must** check one of the boxes below):
  - A.  Sole Proprietorship (individual)
  - B.  Partnership
  - C.  Corporation
2. You **must** check one of the boxes below:
  - A.  I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.
  - B.  I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
  - C.  I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

\_\_\_\_\_ Full-time Employees

\_\_\_\_\_ Part-time Employees

Name of Business		Federal ID (or) Social Security No.	
Address		Telephone (       )	
City	State	ZIP	

*I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.*

\_\_\_\_\_  
Signature of Owner or Authorized Representative

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

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

Allright Red Pine (52-016-20)  
T29N, R06W, SEC. 36; Antrim COUNTY

In response to the notice of sale to be held 3:00 p.m. (local time) on December 23, 2020, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
<b>Sawtimber</b>			
Quaking Aspen	1.6 MBF	\$ 39.00/MBF	\$ _____
Red Pine	853.2 MBF	\$ 76.00/MBF	\$ _____
<b>Pulpwood</b>			
Basswood	35 Cords	\$ 5.05/Cord	\$ _____
Mixed Hardwood	67 Cords	\$ 15.20/Cord	\$ _____
Quaking Aspen	26 Cords	\$ 11.70/Cord	\$ _____
Red Pine	1,263 Cords	\$ 31.20/Cord	\$ _____

\*The volumes are statistically estimated within plus (+) or minus (-) 11.96 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

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

FEDERAL ID: \_\_\_\_\_ - \_\_\_\_\_ or SOCIAL SECURITY NUMBER: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

Company or individual bidding: \_\_\_\_\_

Company representative's name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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

Individual or company representative's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Phone number : \_\_\_\_\_ Email (optional): \_\_\_\_\_

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



# TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

As required by Act 317, P.A. 1969 (Worker's Compensation) and  
Part 5 of Act 451 of 1994, as amended.

FOR DEPARTMENT USE ONLY	
Sale Number (XX - XXX - XX - XX)	
Forest Management Unit:	

## VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

- This verification must be completed and submitted within 21 days of contract award and prior to the issuance of the timber sale contract.
- In addition, if boxes 2B or 2C are checked, then Notice of Exclusion or Certificate of Insurance must be submitted within twenty-one (21) days of the contract award and prior to the issuance of the timber sale contract.
- All information must be typed or printed except for written signatures.

Please Check Appropriate Categories:

1. My business is organized as (you **must** check one of the boxes below):
  - A.  Sole Proprietorship (individual)
  - B.  Partnership
  - C.  Corporation
2. You **must** check one of the boxes below:
  - A.  I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.
  - B.  I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
  - C.  I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

\_\_\_\_\_ Full-time Employees

\_\_\_\_\_ Part-time Employees

Name of Business		Federal ID (or) Social Security No.	
Address		Telephone (       )	
City	State	ZIP	

*I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.*

\_\_\_\_\_  
Signature of Owner or Authorized Representative

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

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

Walton Rd Hardwoods (52-018-20)  
T33N, R04W, SEC. 23; Charlevoix COUNTY

In response to the notice of sale to be held 3:00 p.m. (local time) on December 23, 2020, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
<b>Sawtimber</b>			
Basswood	57.9 MBF	\$ 41.00/MBF	\$ _____
Sugar Maple	689.0 MBF	\$ 205.00/MBF	\$ _____
<b>Pulpwood</b>			
Basswood	47 Cords	\$ 6.55/Cord	\$ _____
Mixed Hardwood	1,275 Cords	\$ 19.80/Cord	\$ _____

\*The volumes are statistically estimated within plus (+) or minus (-) 14.39 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 SECURITY NUMBER: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

Company or individual bidding: \_\_\_\_\_

Company representative's name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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

Individual or company representative's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Phone number : \_\_\_\_\_ Email (optional): \_\_\_\_\_

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



FOR DEPARTMENT USE ONLY	
Sale Number (XX - XXX - XX - XX)	
Forest Management Unit:	

## TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

As required by Act 317, P.A. 1969 (Worker's Compensation) and  
Part 5 of Act 451 of 1994, as amended.

### VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

- This verification must be completed and submitted within 21 days of contract award and prior to the issuance of the timber sale contract.
- In addition, if boxes 2B or 2C are checked, then Notice of Exclusion or Certificate of Insurance must be submitted within twenty-one (21) days of the contract award and prior to the issuance of the timber sale contract.
- All information must be typed or printed except for written signatures.

Please Check Appropriate Categories:

1. My business is organized as (you **must** check one of the boxes below):
  - A.  Sole Proprietorship (individual)
  - B.  Partnership
  - C.  Corporation
2. You **must** check one of the boxes below:
  - A.  I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.
  - B.  I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
  - C.  I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

\_\_\_\_\_ Full-time Employees

\_\_\_\_\_ Part-time Employees

Name of Business		Federal ID (or) Social Security No.	
Address		Telephone (       )	
City	State	ZIP	

*I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.*

\_\_\_\_\_  
Signature of Owner or Authorized Representative

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

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

Slippery Slope Mostly Oak (52-020-20)  
T33N, R04W, SEC. 22; Charlevoix COUNTY

In response to the notice of sale to be held 3:00 p.m. (local time) on December 23, 2020, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
<b>Sawtimber</b>			
B. T. Aspen	15.0 MBF	\$ 39.00/MBF	\$ _____
Basswood	246.6 MBF	\$ 31.00/MBF	\$ _____
Red Maple	18.3 MBF	\$ 47.00/MBF	\$ _____
Red Oak	636.0 MBF	\$ 88.00/MBF	\$ _____
Sugar Maple	296.7 MBF	\$ 158.00/MBF	\$ _____
<b>Pulpwood</b>			
B. T. Aspen	57 Cords	\$ 11.70/Cord	\$ _____
Basswood	414 Cords	\$ 5.05/Cord	\$ _____
Misc. Species 1	294 Cords	\$ 5.00/Cord	\$ _____
Mixed Hardwood	1,090 Cords	\$ 15.20/Cord	\$ _____
Red Oak	932 Cords	\$ 12.00/Cord	\$ _____

\*The volumes are statistically estimated within plus (+) or minus (-) 6.46 percent at 95% confidence level. These estimated volumes are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

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

FEDERAL ID: \_\_\_\_\_ or SOCIAL SECURITY NUMBER: \_\_\_\_\_

Company or individual bidding: \_\_\_\_\_

Company representative's name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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

Individual or company representative's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Phone number : \_\_\_\_\_ Email (optional): \_\_\_\_\_

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



FOR DEPARTMENT USE ONLY	
Sale Number (XX - XXX - XX - XX)	
Forest Management Unit:	

## TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

As required by Act 317, P.A. 1969 (Worker's Compensation) and  
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### VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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  - C.  Corporation
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  - B.  I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
  - C.  I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

\_\_\_\_\_ Full-time Employees

\_\_\_\_\_ Part-time Employees

Name of Business		Federal ID (or) Social Security No.	
Address		Telephone (       )	
City	State	ZIP	

*I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.*

\_\_\_\_\_  
Signature of Owner or Authorized Representative

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

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