



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6609

SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on January 22, 2020.

LOCATION: SHINGLETON MGMT UNIT, PO BOX 67, M 28 WEST, SHINGLETON, MI 49884.

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

Rollaways Blue (41-003-19) / T43N, R15W, SEC. 19, SESE.
T43N, R15W, SEC. 20, SWNE,S1/2SW.
T43N, R15W, SEC. 29, NWNW,N1/2NE,SENE,SE.
T43N, R15W, SEC. 32, NWNE.

Schoolcraft County, Advertised Price \$136,582.70, 203.2 Acres, Red Pine, Hardwood.

SALE NOTE: The County must be contacted prior to crossing or harvesting in the county road R-O-W. This applies to the High Rollaways Truck Trail.

Permission for access across private land is the responsibility of the Purchaser. Access to Payment Unit 1 is through private land.

If sale operations utilize State forest two-tracks during spring break-up then road work will be required. See Sale Spec 4.1.8 for additional information.

Within Payment Units 1 and 2, harvesting is not permitted during the period of April 15 to July 15 because of bark slippage.

Access may be through private land.

Highrollways Treasure (41-010-19) / T42N, R15W, SEC. 5 , NWNW.
T42N, R15W, SEC. 6 , NWNE.
T43N, R15W, SEC. 29, NESW,S1/2SW.
T43N, R15W, SEC. 31, S1/2NE,E1/2SW,SE.
T43N, R15W, SEC. 32, NW,N1/2SW,SWSW.

Schoolcraft County, Advertised Price \$160,301.35, 364.1 Acres, Red Pine, White Pine.

SALE NOTE: Extensive road work is required on this sale. The advertised price has been reduced by the estimate cost of this road work to off-set the additional expense.Road work is required on this sale. See sale spec 4.1.8 for requirements.

Swab The Rollways Pine (41-016-19) / T43N, R15W, SEC. 19, N1/2SW,SESW.

T43N, R15W, SEC. 29, SWNW,W1/2SW.

T43N, R15W, SEC. 30, NW,NENE,S1/2NE,SW,SE.

T43N, R15W, SEC. 31, NE,NESE.

Schoolcraft County, Advertised Price \$511,845.40, 361.4 Acres, Red Pine, White Pine.

SALE NOTE: Road work is required if harvesting occurs during spring break up and/or wood is hauled west to M-94 utilizing state forest roads. See Sale Spec 4.1.8 for additional information.

The county must be contacted prior to crossing or harvesting in the county road R-O-W. This applies to Payment Units 1, 2, 4, and 5 and the Highrollways Road.

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

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

Bids must be received by the Unit Manager, SHINGLETON OFFICE, PO Box 67 M 28 West, Shingleton, MI 49884, no later than 2:00 p.m. (local time) on January 22, 2020. For further information concerning this sale, contact Robert Burnham at 906-452-6227 extension 240.

2. Bidder's Qualifications (5/16)

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

3. Preparation of Sealed Bids (5/16)

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

4. Submission of Sealed Bids (5/16)

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

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

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

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

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

6. Award of Contract (1/11)

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

7. Down Payment (1/11)

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

8. Performance Security (1/11)

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

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

9. Timber Sale Contract (7/18)

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

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

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

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

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

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

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

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

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

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

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

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

- a. That the Bidder and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntary excluded from timber sales (covered transactions) by any Federal department or agency.
- b. That the Bidder and its principals have not within a 3-year period preceding this bid been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining , attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
- c. That the Bidder and its principals are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph b of this certification.
- d. That the Bidder and its principals have not within a 3-year period preceding this bid had one or more public transactions (Federal, State, or local) terminated for breach or default of a timber or forest product contract.

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

DAN EICHINGER
Director

TIMBER SALE INFORMATION

Rollaways Blue (41-003-19)

T43N, R15W, SEC. 19; T43N, R15W, SEC. 20; T43N, R15W, SEC. 29; T43N, R15W, SEC. 32.

Schoolcraft County (Advertised Price \$136,582.70)

SALE NOTE: The County must be contacted prior to crossing or harvesting in the county road R-O-W. This applies to the High Rollaways Truck Trail.

Permission for access across private land is the responsibility of the Purchaser. Access to Payment Unit 1 is through private land.

If sale operations utilize State forest two-tracks during spring break-up then road work will be required. See Sale Spec 4.1.8 for additional information.

Within Payment Units 1 and 2, harvesting is not permitted during the period of April 15 to July 15 because of bark slippage.

Access may be through private land.

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. Bids must be at or above the following advertised price for each species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Black Cherry	0.10 MBF	\$ 201.00 / MBF
Red Maple	19.30 MBF	\$ 161.00 / MBF
Sugar Maple	77.40 MBF	\$ 364.00 / MBF
Yellow Birch	4.90 MBF	\$ 143.00 / MBF
Pulpwood		
B. T. Aspen	117.00 Cords	\$ 29.75 / Cord
Balsam Fir	15.00 Cords	\$ 18.55 / Cord
Jack Pine	8.00 Cords	\$ 35.40 / Cord
Mixed Hardwood	324.00 Cords	\$ 20.65 / Cord
Red Pine	1,655.00 Cords	\$ 56.60 / Cord
White Pine	8.00 Cords	\$ 21.90 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 14.42 percent. 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 \$6,829.00 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	17.4%
02	12.0%
03	8.5%
04	7.2%
05	6.5%
06	8.3%
07	10.9%
08	8.6%
09	9.0%
10	11.6%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2023.

Description of Timber by Payment Unit (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Sawtimber	12.8	MBF	25.2	\$23,856.35
	Sugar Maple		50.2	MBF		
	Balsam Fir	Pulpwood	4.0	Cords		
	Mixed Hardwood		167.0	Cords		
2	Black Cherry	Sawtimber	0.1	MBF	18.5	\$16,415.85
	Red Maple		6.5	MBF		
	Sugar Maple		27.2	MBF		
	Yellow Birch		4.9	MBF		
	B. T. Aspen	Pulpwood	52.0	Cords		
	Mixed Hardwood		155.0	Cords		
3	Red Pine	Pulpwood	204.0	Cords	17.9	\$11,546.40
4	Red Pine	Pulpwood	174.0	Cords	19.5	\$9,848.40
5	Balsam Fir	Pulpwood	11.0	Cords	17.5	\$8,920.45
	Red Pine		154.0	Cords		
6	B. T. Aspen	Pulpwood	5.0	Cords	22.0	\$11,329.95
	Red Pine		196.0	Cords		
	White Pine		4.0	Cords		
7	B. T. Aspen	Pulpwood	17.0	Cords	33.3	\$14,856.75
	Jack Pine		8.0	Cords		
	Red Pine		247.0	Cords		
	White Pine		4.0	Cords		
8	B. T. Aspen	Pulpwood	33.0	Cords	20.8	\$11,679.15
	Red Pine		189.0	Cords		
9	B. T. Aspen	Pulpwood	10.0	Cords	20.2	\$12,353.30
	Red Pine		213.0	Cords		
10	Mixed Hardwood	Pulpwood	2.0	Cords	8.3	\$15,776.10
	<i>Sugar Maple</i>		2.0	<i>Cords</i>		
	Red Pine		278.0	Cords		
TOTAL:			101.7	MBF		
TOTAL:			2,127.0	Cords		

Sale Specific Conditions & Requirements

Sale Name: Rollaways Blue

Sale Number: 41-003-19 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (1/14)

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 painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1 - 9, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within Payment Units 8 and 9, all aspen are designated for cutting.

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

Within Payment Unit(s) 10, all trees which meet minimum piece specifications in 2.2 Utilization are designated for cutting, except do not cut trees marked with green paint above and below stump height.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within Payment Units 3 - 9 shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches DBH. This is in order to facilitate planting operations.

3 - Payments

3.4 - Damaged Timber

3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are oak and hemlock. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$100 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

4 - Transportation

4.1 - Construction

4.1.3 - Slash and earthen piles (8/04)

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

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

4.1.7 - Road closure (10/11)

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

4.1.8 - Road work (1) (8/07)

If sale operations utilize State forest two-tracks during spring break-up then the following road work is required: 200 cubic yards of breaker run gravel and 200 cubic yards of 23a road gravel must be purchased hauled and spread between the sale area and M-94 at locations designated by the Sale Administrator. Unless approved by the Unit Manager, all work must be done before hauling occurs. The Purchaser is responsible for all work.

4.1.10 - Oversight (12/08)

The Unit Manager, or his/her representative, must be present when the road improvement project is initiated.

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 bull dozer 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.

4.3 - Public Right-of-Way

4.3.2 - County R-O-W (12/06)

The county must be contacted prior to crossing or harvesting in the county road R-O-W. This applies to the High Rollaways Truck Trail.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land is the responsibility of the Purchaser. Access to Payment Unit 1 is through private property.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference on site between the Purchaser and sale administrator is required prior to beginning any operations to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 10 days in advance to schedule the conference.

5.2 - Conduct of Operations

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

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

5.2.3 - Operating Restrictions

5.2.3.3 - Bark slippage restriction (3/09)

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

5.2.3.6 - Bark beetle restriction (12/08)

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1

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

5.2.32 - Decking/landing restoration (9/13)

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

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

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

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

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

5.8 - Protection of Endangered Species

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

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

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from April 1 to July 30. Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.



TIMBER SALE MAP

This information provided by authority of Part 5, 1994 PA 451, as amended.

Sale Number	Year
03	19

Forest Management Unit Shingleton	County Schoolcraft	Mapped By T. Burnis	Date 03/27/19	Page 1	of 1
Compartment Number 59	Township T43N	Range R15W	Section(s) and Subdivision(s) 20: SWNE, S1/2SW1/4 29: E1/2, NWNW	Scale: [...4 inches.....] = 1 mile	

Cover Type

A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous	Z = Water	
H = Hemlock	N = Marsh		

Density

0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well



TIMBER SALE INFORMATION

Highrollways Treasure (41-010-19)

T42N, R15W, SEC. 5; T42N, R15W, SEC. 6; T43N, R15W, SEC. 29; T43N, R15W, SEC. 31; T43N, R15W, SEC. 32.
Schoolcraft County (Advertised Price \$160,301.35)

SALE NOTE: Extensive road work is required on this sale. The advertised price has been reduced by the estimate cost of this road work to off-set the additional expense. Road work is required on this sale. See sale spec 4.1.8 for requirements.

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. Bids must be at or above the following advertised price for each species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Red Maple	8.30 MBF	\$ 181.00 / MBF
Sugar Maple	6.50 MBF	\$ 411.00 / MBF
Pulpwood		
Balsam Fir	2.00 Cords	\$ 20.95 / Cord
Mixed Hardwood	196.00 Cords	\$ 23.35 / Cord
Paper Birch	3.00 Cords	\$ 15.20 / Cord
Red Pine	2,281.00 Cords	\$ 63.95 / Cord
White Pine	226.00 Cords	\$ 24.75 / Cord

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

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$8,015.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule :
 - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - (b) The 10% down payment will be credited towards the first unit cut.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	1.8%
02	1.5%
03	2.7%
04	5.6%
05	6.2%
06	9.3%
07	0.8%
08	8.8%
09	3.6%
10	2.4%
11	1.4%
12	2.7%
13	6.1%
14	10.8%
15	12.4%
16	12.3%
17	1.7%
18	9.9%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2023.

Description of Timber by Payment Unit (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Pulpwood	44.0	Cords	5.9	\$2,813.80
2	Red Pine	Pulpwood	37.0	Cords	5.0	\$2,366.15
3	Red Pine	Pulpwood	67.0	Cords	9.8	\$4,284.65
4	Red Pine	Pulpwood	141.0	Cords	21.7	\$9,016.95
5	Red Pine	Pulpwood	156.0	Cords	24.5	\$9,976.20
6	Red Pine	Pulpwood	232.0	Cords	32.8	\$14,836.40
7	Sugar Maple Mixed Hardwood	Sawtimber Pulpwood	2.5 11.0	MBF Cords	5.6	\$1,284.35
8	Red Pine	Pulpwood	221.0	Cords	33.5	\$14,132.95
9	Red Pine	Pulpwood	90.0	Cords	14.4	\$5,755.50
10	Red Maple Sugar Maple Mixed Hardwood White Pine	Sawtimber Pulpwood	3.1 4.0 64.0 4.0	MBF MBF Cords Cords	29.3	\$3,798.50
11	Red Pine White Pine	Pulpwood	3.0 84.0	Cords Cords	5.1	\$2,270.85
12	Red Maple Balsam Fir Mixed Hardwood Paper Birch Red Pine White Pine	Sawtimber Pulpwood	5.2 2.0 121.0 3.0 7.0 1.0	MBF Cords Cords Cords Cords Cords	32.5	\$4,326.45
13	Red Pine White Pine	Pulpwood	143.0 25.0	Cords Cords	10.4	\$9,763.60
14	Red Pine	Pulpwood	270.0	Cords	21.6	\$17,266.50
15	Red Pine	Pulpwood	313.0	Cords	33.8	\$20,016.35
16	Red Pine	Pulpwood	308.0	Cords	35.1	\$19,696.60
17	White Pine	Pulpwood	112.0	Cords	15.9	\$2,772.00
18	Red Pine	Pulpwood	249.0	Cords	27.2	\$15,923.55
TOTAL:			14.8	MBF		
TOTAL:			2,708.0	Cords		

Sale Specific Conditions & Requirements

Sale Name: Highrollways Treasure

Sale Number: 41-010-19 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

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

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 13, cut all live and dead trees that are two (2) inches or more at DBH.

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

Within Payment Unit(s) 1-10, 12, and 14-18, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

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

Within Payment Unit(s) 11, all trees, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except do not cut trees marked with green paint above and below stump height.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches DBH. 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) with a value greater than \$15,000 may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Supplement.

3.4 - Damaged Timber

3.4.3 - Special Protection Areas (8/11)

The Purchaser shall protect special protection areas from damage by the Purchaser's operations. Special protection areas are identified on the map as 'U0' and with hash marks, adjacent to Payment Units 3, 5, and 6. The Purchaser shall not cut live or dead trees or conduct any operations within special protection areas. If the Purchaser's operations have cut or damaged special protection areas through carelessness, the Purchaser shall pay \$1000 as fixed, agreed and liquidated damages for each acre or part thereof cut or damaged. Such payment does not constitute ownership of the undesignated timber.

4 - Transportation

4.1 - Construction

4.1.3 - Slash and earthen piles (8/04)

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

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

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. These roads must be rendered impassable to cars and trucks. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. These stumps must be scattered along the road system to prohibit vehicular movement. Contact the sale administrator for specific details of design and placement.

4.1.8 - Road work (1) (8/07)

The following road work is required: 200 cubic yards of breaker run gravel and 200 cubic yards of 23a road gravel must be purchased, hauled and spread between the sale area and M-94 on state forest roads. The exact location of the work will be determined by the sale administrator. The intent of the road work is to fill established holes with breaker run first and then cap this with road gravel. All work is at the Purchaser's expense, however the advertised price of the sale has been reduced by the estimated cost to complete this work. All work must be completed before hauling begins unless approved by the Unit Manager.

4.1.10 - Oversight (12/08)

The Unit Manager, or his/her representative, must be present when the road improvement project is initiated.

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 bull dozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference on site between the Purchaser and sale administrator is required prior to beginning any operations. The Unit Manager or his/her representative must be contacted at least 5 days in advance to schedule the conference.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.11 - Slash for reforestation (5/07)

To facilitate reforestation, Payment Units 11 and 13 shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. Stumps shall be cut low to the ground. Processing sites shall not be left with a compacted layer of slash; tops from these sites shall be hauled back into the cut area and scattered.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

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

5.2.3 - Operating Restrictions

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 7, 10, and 12, unless changed by written agreement, cutting and skidding are not permitted during

the period of April 15 to July 15. This restriction is because of bark slippage.

5.2.3.6 - Bark beetle restriction (12/08)

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

5.2.32 - Decking/landing restoration (9/13)

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

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

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

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

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

5.8 - Protection of Endangered Species

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

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

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from April 1 to July 30. Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.

7 - Other Conditions

7.3 - Contract Modifications

7.3.3 - Modification for reforestation (8/05)

When contractual work of Purchaser has been accepted for any Payment Unit identified on Sale Area Map, Payment Unit will be eliminated from the Sale Area on written notice so that reforestation operations can begin.



TIMBER SALE MAP

This information provided by authority of Part 5, 1994 PA 451, as amended.

Sale Number	Year
41-10	19

Forest Management Unit Shingleton	County Schoolcraft	Mapped By Irving	Date 6/7/19	Page 1	of 1
Compartment Number 59 & 60	Township 43N	Range 15W	Section(s) and Subdivision(s) S5 NW1/4, S6 NW1/4, S7 NW1/4, S8 NW1/4, S9 NW1/4, S10 NW1/4, S11 NW1/4, S12 NW1/4, S13 NW1/4, S14 NW1/4, S15 NW1/4, S16 NW1/4, S17 NW1/4, S18 NW1/4, S19 NW1/4, S20 NW1/4, S21 NW1/4, S22 NW1/4, S23 NW1/4, S24 NW1/4, S25 NW1/4, S26 NW1/4, S27 NW1/4, S28 NW1/4, S29 NW1/4, S30 NW1/4, S31 NW1/4, S32 NW1/4, S33 NW1/4, S34 NW1/4, S35 NW1/4, S36 NW1/4, S37 NW1/4, S38 NW1/4, S39 NW1/4, S40 NW1/4, S41 NW1/4, S42 NW1/4, S43 NW1/4, S44 NW1/4, S45 NW1/4, S46 NW1/4, S47 NW1/4, S48 NW1/4, S49 NW1/4, S50 NW1/4, S51 NW1/4, S52 NW1/4, S53 NW1/4, S54 NW1/4, S55 NW1/4, S56 NW1/4, S57 NW1/4, S58 NW1/4, S59 NW1/4, S60 NW1/4, S61 NW1/4, S62 NW1/4, S63 NW1/4, S64 NW1/4, S65 NW1/4, S66 NW1/4, S67 NW1/4, S68 NW1/4, S69 NW1/4, S70 NW1/4, S71 NW1/4, S72 NW1/4, S73 NW1/4, S74 NW1/4, S75 NW1/4, S76 NW1/4, S77 NW1/4, S78 NW1/4, S79 NW1/4, S80 NW1/4, S81 NW1/4, S82 NW1/4, S83 NW1/4, S84 NW1/4, S85 NW1/4, S86 NW1/4, S87 NW1/4, S88 NW1/4, 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Scale: [1/4" = 1 mile]

Cover Type			
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous	Z = Water	
H = Hemlock	N = Marsh		

Density	
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

HIGHROLLWAYS TREASURE

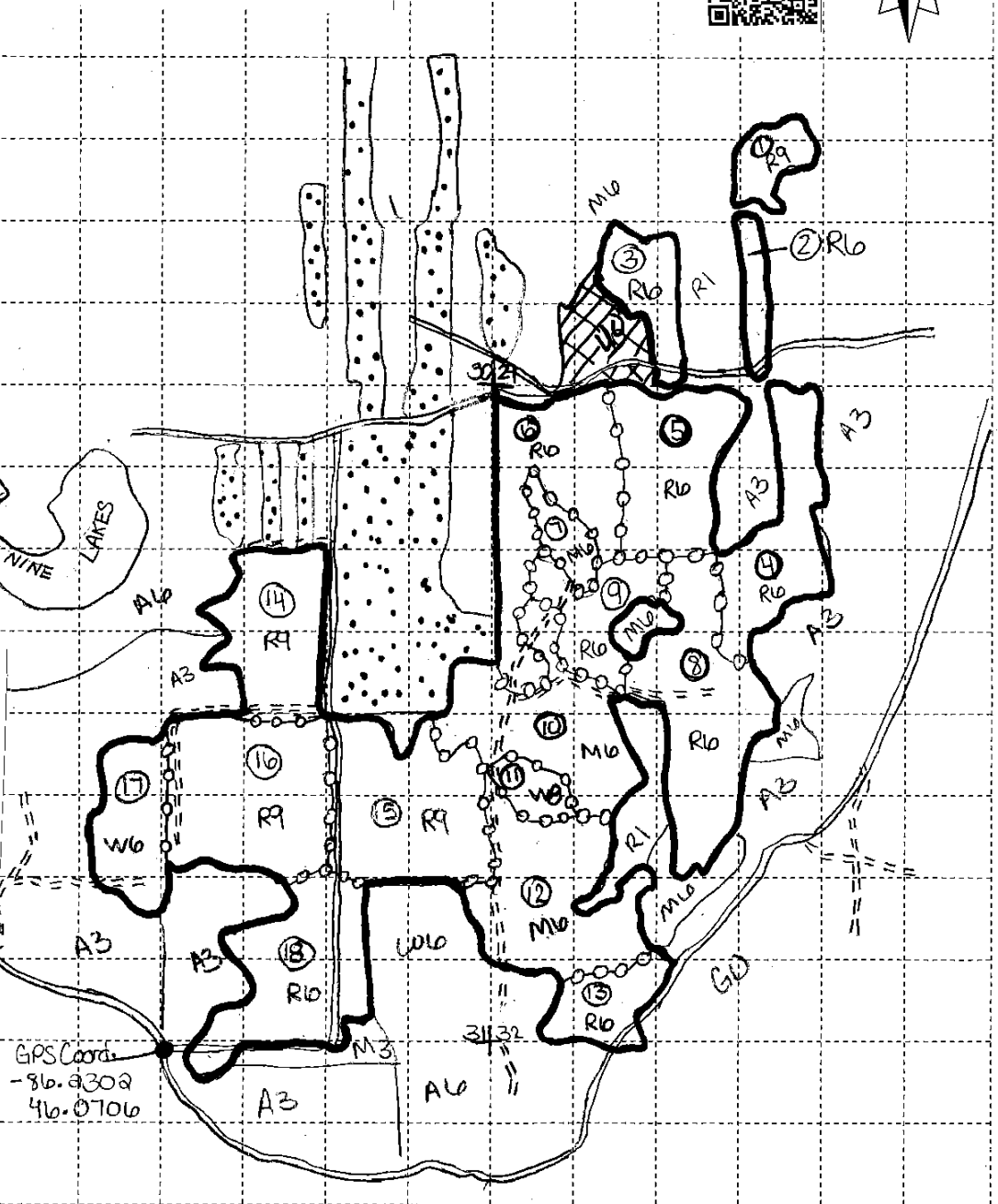
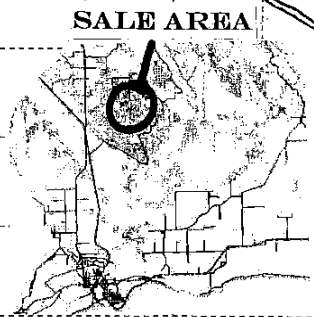
364.1 ACRES



PU ACRES

1	5.9
2	5
3	9.8
4	21.7
5	24.5
6	32.8
7	5.6
8	33.5
9	14.4
10	29.3
11	5.1
12	32.5
13	10.4
14	21.6
15	33.8
16	35.1
17	15.9
18	27.2

- LEGEND**
- Against State (Red)
 - Payment Unit (Yellow)
 - Stand Boundaries
 - ▨ Nearby Timber Sale
 - + Section Corner
 - Secondary Forest Road
 - Forest Access Route
 - ▣ SPECIAL PROTECTION AREA



TIMBER SALE INFORMATION

Swab The Rollways Pine (41-016-19)

T43N, R15W, SEC. 19; T43N, R15W, SEC. 29; T43N, R15W, SEC. 30; T43N, R15W, SEC. 31.
Schoolcraft County (Advertised Price \$511,845.40)

SALE NOTE: Road work is required if harvesting occurs during spring break up and/or wood is hauled west to M-94 utilizing state forest roads. See Sale Spec 4.1.8 for additional information.

The county must be contacted prior to crossing or harvesting in the county road R-O-W. This applies to Payment Units 1, 2, 4, and 5 and the Highrollways 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. Bids must be at or above the following advertised price for each species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Pulpwood		
Jack Pine	27.00 Cords	\$ 42.50 / Cord
Mixed Aspen	71.00 Cords	\$ 35.70 / Cord
Mixed Hardwood	68.00 Cords	\$ 24.80 / Cord
Red Pine	7,360.00 Cords	\$ 67.90 / Cord
White Pine	256.00 Cords	\$ 26.30 / Cord

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

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$25,592.00 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:

<u>PAYMENT UNIT NUMBER</u>	<u>PERCENT OF TOTAL SALE VALUE</u>
01	0.2%
02	5.4%
03	2.2%
04	4.0%
05	3.6%
06	5.3%
07	1.0%
08	4.3%
09	10.3%
10	6.0%
11	12.6%
12	12.6%
13	4.0%
14	1.5%
15	4.3%
16	11.4%
17	8.4%
18	2.9%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2023.

Description of Timber by Payment Unit (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Pulpwood	13.0	Cords	3.5	\$882.70
2	Red Pine White Pine	Pulpwood	401.0 8.0	Cords Cords	39.0	\$27,438.30
3	Red Pine	Pulpwood	165.0	Cords	7.0	\$11,203.50
4	Red Pine	Pulpwood	303.0	Cords	14.8	\$20,573.70
5	Red Pine	Pulpwood	270.0	Cords	14.8	\$18,333.00
6	Red Pine	Pulpwood	400.0	Cords	5.6	\$27,160.00
7	Mixed Aspen <i>Quaking Aspen</i> White Pine	Pulpwood	2.0 2.0 187.0	Cords <i>Cords</i> Cords	32.6	\$4,989.50
8	Red Pine White Pine	Pulpwood	319.0 10.0	Cords Cords	41.7	\$21,923.10
9	Red Pine	Pulpwood	774.0	Cords	18.0	\$52,554.60
10	Red Pine	Pulpwood	454.0	Cords	10.9	\$30,826.60
11	Red Pine	Pulpwood	964.0	Cords	25.5	\$65,455.60
12	Red Pine	Pulpwood	950.0	Cords	29.0	\$64,505.00
13	Mixed Hardwood <i>Black Cherry</i> <i>Red Maple</i> <i>Sugar Maple</i> Red Pine	Pulpwood	50.0 5.0 32.0 13.0 280.0	Cords <i>Cords</i> <i>Cords</i> <i>Cords</i> Cords	9.9	\$20,252.00
14	Red Pine	Pulpwood	116.0	Cords	20.9	\$7,876.40
15	Red Pine	Pulpwood	322.0	Cords	8.3	\$21,863.80
16	Jack Pine Mixed Aspen Mixed Hardwood Red Pine	Pulpwood	3.0 39.0 3.0 836.0	Cords Cords Cords Cords	23.4	\$58,358.60
17	Jack Pine Mixed Aspen Mixed Hardwood Red Pine	Pulpwood	24.0 30.0 15.0 596.0	Cords Cords Cords Cords	32.1	\$42,931.40
18	Red Pine White Pine	Pulpwood	197.0 51.0	Cords Cords	24.4	\$14,717.60
TOTAL:			7,782.0	Cords		

Sale Specific Conditions & Requirements

Sale Name: Swab The Rollways Pine

Sale Number: 41-016-19 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 painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 3-6, 9, 10-12, 16, and 17, cut all live and dead trees that are two (2) inches or more at DBH.

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

Within Payment Unit(s) 13 and 15, cut all trees which meet minimum piece specifications in 2.2 Utilization.

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

Within Payment Unit(s) 1, 2, 7, 8, 14, and 18, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches DBH. 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) with a value over \$15,000 may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Supplement.

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

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. These roads must be rendered impassable to cars and trucks. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. These stumps must be scattered along the road system to prohibit vehicular movement. Contact the sale administrator for specific details of design and placement.

4.1.8 - Road work (1) (8/07)

The following road work is required if harvesting occurs during spring break up and/or wood is hauled west to M-94 utilizing state forest roads: 200 cubic yards of breaker run gravel and 200 cubic yards of 23a road gravel must be purchased, hauled and spread between the sale area and M-94. Specific gravel locations will be determined by the sale administrator. The intent is to place the breaker run gravel in established holes and then cap these areas with road gravel. All work is at the Purchasers expense and no deductions will be given. All work must be done prior to hauling unless approved by the Unit Manager.

4.1.10 - Oversight (12/08)

The Unit Manager, or his/her representative, must be present when the road improvement project is initiated.

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 bull dozer 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.

4.3 - Public Right-of-Way

4.3.2 - County R-O-W (12/06)

The county must be contacted prior to crossing or harvesting in the county road R-O-W. This applies to Payment Unit 1, 2, 4, and 5 and the Highrollways Road.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference on site between the Purchaser and sale administrator is required prior to beginning any operations a Payment Unit to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 5 days in advance to schedule the conference.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.11 - Slash for reforestation (5/07)

To facilitate reforestation, the sale 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.

5.2.3 - 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 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

5.7 - Protection of Historical Sites

5.7.1 - Historical sites (7/12)

The Purchaser shall not cut live or dead trees or operate equipment within historical sites. Historical sites are excluded with the sale boundary paint and no wood can be decked east of Payment Unit 13. The Purchaser shall protect historical sites from damage by the Purchaser's operations. If Purchaser's operations have cut or damaged historical sites through carelessness, the Purchaser shall pay \$1000 as fixed, agreed and liquidated damages for each acre or part thereof cut or damaged.

5.8 - Protection of Endangered Species

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

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

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from April 1 to July 30. Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.

7 - Other Conditions

7.3 - Contract Modifications

7.3.3 - Modification for reforestation (8/05)

When contractual work of Purchaser has been accepted for any Payment Unit identified on Sale Area Map, Payment Unit will be eliminated from the Sale Area on written notice so that reforestation operations can begin.



TIMBER SALE MAP

This information provided by authority of Part 5, 1994 PA 451, as amended.

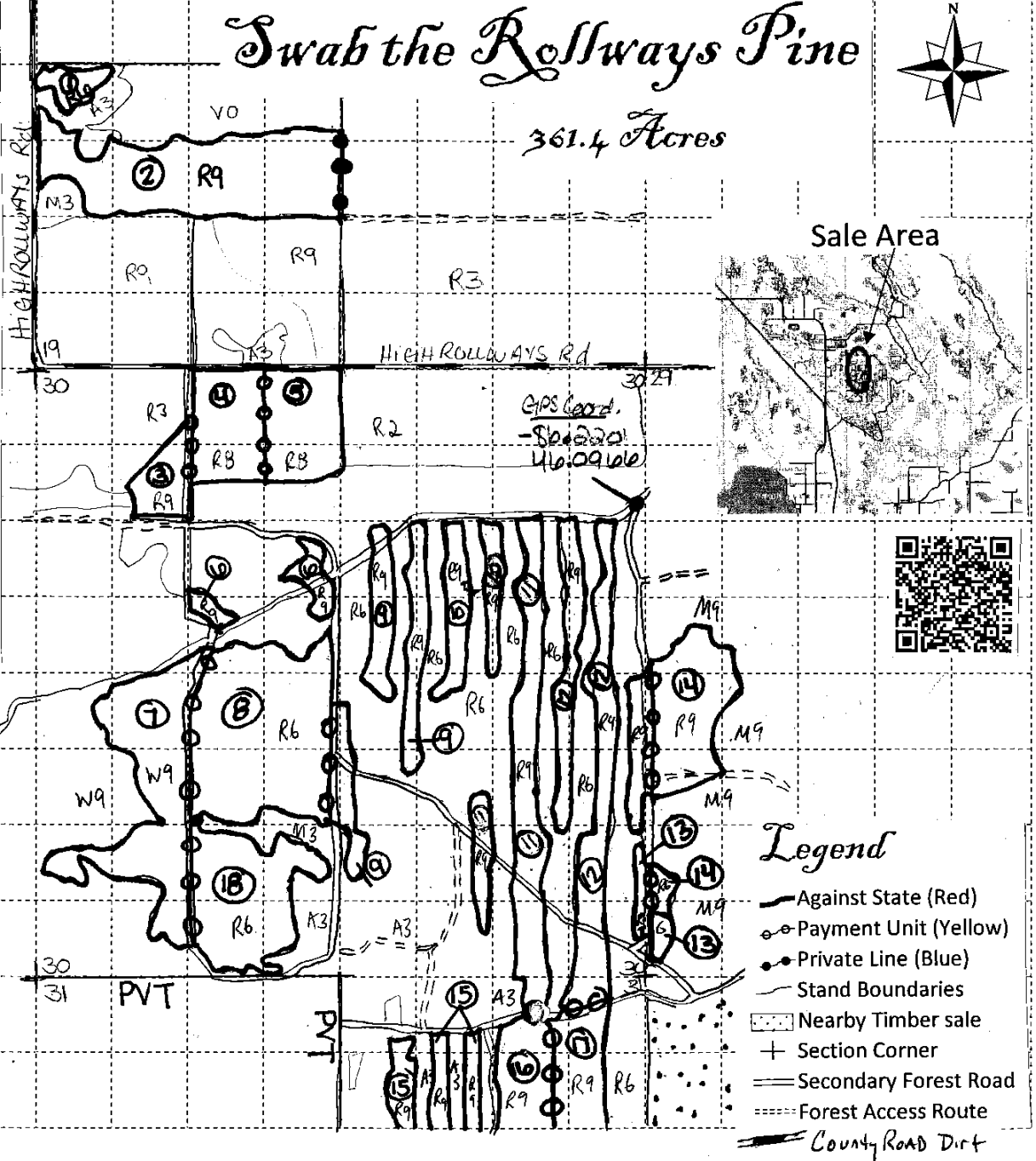
Sale Number	Year
41-016	19
Date	Page of
9/18/19	1 2
Scale: [1" = 4"] = 1 mile	

Forest Management Unit	County	Mapped By
Shingleton	Schoolcraft	BURNIS
Compartment Number	Township	Range
41060, 41059	43N	15W
Section(s) and Subdivision(s)		
S9 N1/2SW, SESW, S9 SWNW, W1/2SW, S30 NW, SW, SE		

Cover Type			
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous	N = Marsh	Z = Water
H = Hemlock			

Density	
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

PU	Acres
1	3.5
2	39.1
3	7
4	14.8
5	14.8
6	5.6
7	32.6
8	41.7
9	18
10	10.9
11	25.5
12	29
13	9.9
14	20.9
15	8.3
16	23.4
17	32.1
18	24.4





TIMBER SALE MAP

This information provided by authority of Part 5, 1994 PA 451, as amended.

Sale Number	Year
41-010	19
Date	Page of
9/18/19	2 2
Scale: ... 4" = 1 mile	

Forest Management Unit	County	Mapped By
SHINGLETON	SCHOOLCRAFT	BURNIS
Compartment Number	Township	Range
41060, 41059	43N	15W
Section(s) and Subdivision(s) S20 NW, SW, SE, S30 NE, S1/2 NE, S31 NE, NESE		

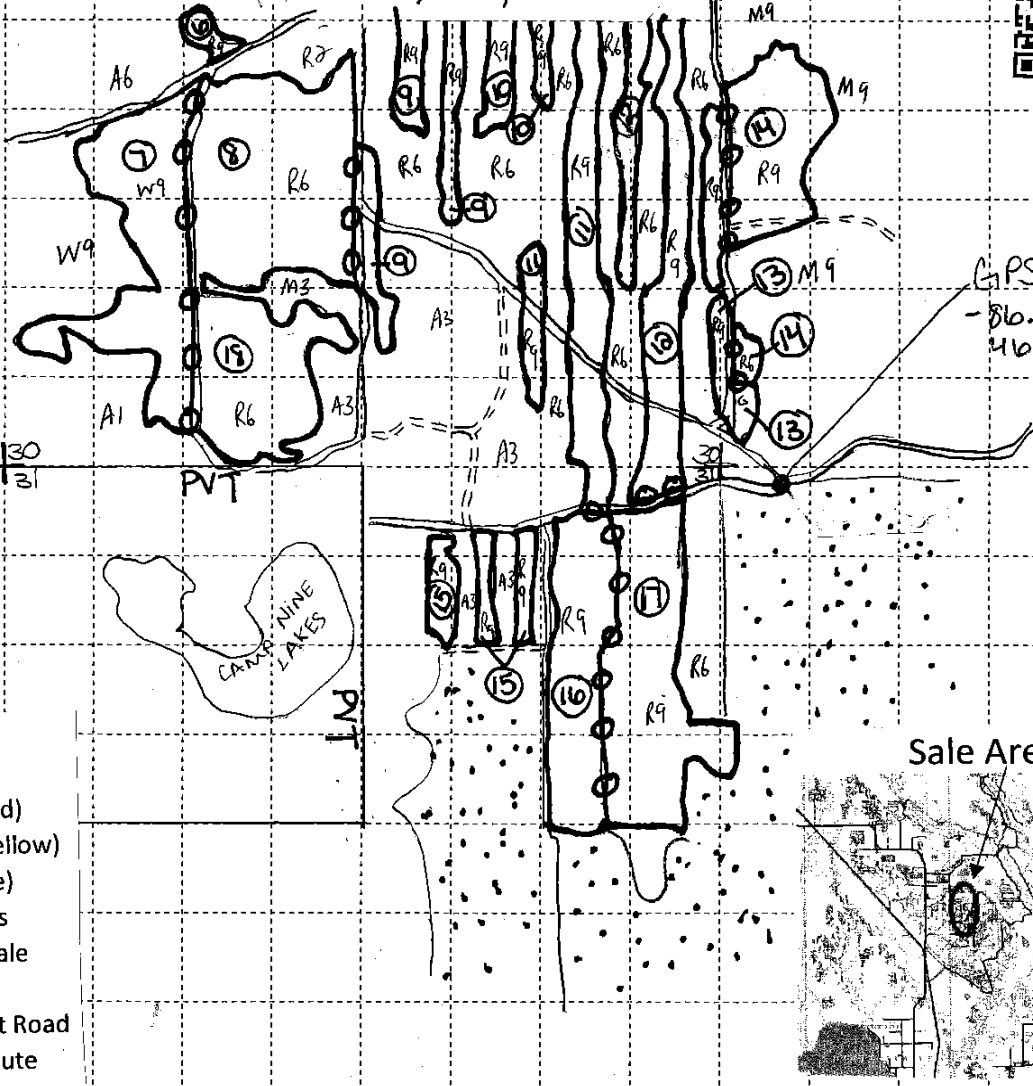
Cover Type			
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	T = Tamarack	Y = Sand	Z = Water
G = Grass	MC = Mixed Conifer		
H = Hemlock	MD = Mixed Deciduous		
	N = Marsh		

Density	
0 = Non Stocked	5 = Pole Timber Medium
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10	10.9
11	25.5
12	29
13	9.9
14	20.9
15	8.3
16	23.4
17	32.1
18	24.4

Swab the Rollways Pine

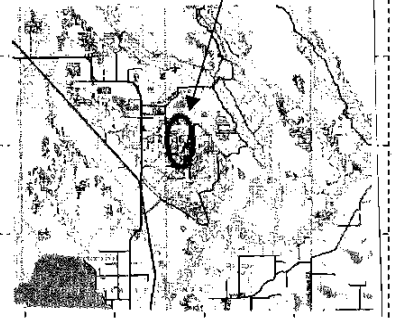
361.4 Acres



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Stand Boundaries
- ▤ Nearby Timber sale
- + Section Corner
- Secondary Forest Road
- Forest Access Route

Sale Area



Rollaways Blue (41-003-19)

T43N, R15W, SEC. 19; T43N, R15W, SEC. 20; T43N, R15W, SEC. 29; T43N,

In response to the notice of sale to be held 2:00 p.m. (local time) on January 22, 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 & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Black Cherry	0.10 MBF	\$ 201.00/MBF	\$ _____
Red Maple	19.30 MBF	\$ 161.00/MBF	\$ _____
Sugar Maple	77.40 MBF	\$ 364.00/MBF	\$ _____
Yellow Birch	4.90 MBF	\$ 143.00/MBF	\$ _____
Pulpwood			
B. T. Aspen	117.00 Cords	\$ 29.75/Cord	\$ _____
Balsam Fir	15.00 Cords	\$ 18.55/Cord	\$ _____
Jack Pine	8.00 Cords	\$ 35.40/Cord	\$ _____
Mixed Hardwood	324.00 Cords	\$ 20.65/Cord	\$ _____
Red Pine	1,655.00 Cords	\$ 56.60/Cord	\$ _____
White Pine	8.00 Cords	\$ 21.90/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 14.42 percent. 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

Highrollways Treasure (41-010-19)

T42N, R15W, SEC. 5; T42N, R15W, SEC. 6; T43N, R15W, SEC. 29; T43N, R15W,

In response to the notice of sale to be held 2:00 p.m. (local time) on January 22, 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 & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Sawtimber			
Red Maple	8.30 MBF	\$ 181.00/MBF	\$ _____
Sugar Maple	6.50 MBF	\$ 411.00/MBF	\$ _____
Pulpwood			
Balsam Fir	2.00 Cords	\$ 20.95/Cord	\$ _____
Mixed Hardwood	196.00 Cords	\$ 23.35/Cord	\$ _____
Paper Birch	3.00 Cords	\$ 15.20/Cord	\$ _____
Red Pine	2,281.00 Cords	\$ 63.95/Cord	\$ _____
White Pine	226.00 Cords	\$ 24.75/Cord	\$ _____

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

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

FEDERAL ID: _____ or SOCIAL SECURITY NUMBER: _____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

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

Individual or company representative's signature: _____ Date: _____

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.
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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

Swab The Rollways Pine (41-016-19)
T43N, R15W, SEC. 19; T43N, R15W, SEC. 29; T43N, R15W, SEC. 30; T43N,

In response to the notice of sale to be held 2:00 p.m. (local time) on January 22, 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 & SPECIES</u>	<u>ESTIMATED VOLUME*</u>	<u>ADVERTISED PRICE</u>	<u>BID PRICE/UNIT</u>
Pulpwood			
Jack Pine	27.00 Cords	\$ 42.50/Cord	\$ _____
Mixed Aspen	71.00 Cords	\$ 35.70/Cord	\$ _____
Mixed Hardwood	68.00 Cords	\$ 24.80/Cord	\$ _____
Red Pine	7,360.00 Cords	\$ 67.90/Cord	\$ _____
White Pine	256.00 Cords	\$ 26.30/Cord	\$ _____

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

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

FEDERAL ID: _____ - _____ or SOCIAL SECURITY NUMBER: _____ - _____ - _____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

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

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_____ 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.

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