



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #5733

SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on November 2, 2016.

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:

Red Turns Green (41-010-16)

Schoolcraft County, Advertised Price \$132,953.60, 186.0 Acres, Red Pine, White Pine.

SALE NOTE: This map has a QR Symbol. If you have a smart phone, you can scan the code in PDF maps to get a GPS file of the sale area.

Roads may require the installation of culverts for cross drainage or at natural drainage-ways. See Sale Spec 4.1.5 for additional information.

Permission for access across private land is the responsibility of the Purchaser.

Within Payment Units 12 and 15, harvesting is limited to snow-free conditions to enhance scarification of soil for regeneration purposes.

There is a snowmobile trail shown on the Timber Sale Map. See sale spec 5.2.41 for operating restrictions.

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. Access may be through private or other public land.

Lotsa Bugs (41-011-16)

Schoolcraft County, Advertised Price \$266,371.50, 320.8 Acres, Hardwood, Spruce/Fir/Tamarack.

SALE NOTE: The county must be contacted prior to crossing or harvesting in the county road right-of-way.

Within Payment Units 1-4, harvesting is not permitted during the period April 15 to July 15 due to bark slippage.

It is recommended, but not required, that within Payment Units 6-10, harvesting occur in dry summer or frozen winter conditions due to soft soils.

The Highwater Truck Trail is a snowmobile trail shown on the timber Sale Map. See Sale Spec 5.2.41 for operating restrictions.

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.

Davidson Road SBW (41-013-16)

Schoolcraft County, Advertised Price \$12,666.80, 26.9 Acres, Aspen, Hardwood.

SALE NOTE: This sale has spruce and fir volume and should be harvested as soon as possible due to the threat of Spruce Budworm.

BID INSTRUCTIONS (VER. 09/02/2016):

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 November 2, 2016. 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 (9/14)

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 1 year. 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.

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.

KEITH CREAGH

Director

TIMBER SALE INFORMATION

Red Turns Green (41-010-16)

Schoolcraft County (Advertised Price \$132,953.60)

SALE NOTE: This map has a QR Symbol. If you have a smart phone, you can scan the code in PDF maps to get a GPS file of the sale area.

Roads may require the installation of culverts for cross drainage or at natural drainage-ways. See Sale Spec 4.1.5 for additional information.

Permission for access across private land is the responsibility of the Purchaser.

Within Payment Units 12 and 15, harvesting is limited to snow-free conditions to enhance scarification of soil for regeneration purposes.

There is a snowmobile trail shown on the Timber Sale Map. See sale spec 5.2.41 for operating restrictions.

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. Access may be through private or other public 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>
Pulpwood		
Balsam Fir	1.00 Cords	\$ 22.35 / Cord
Black Spruce	22.00 Cords	\$ 36.10 / Cord
Jack Pine	43.00 Cords	\$ 50.50 / Cord
Paper Birch	5.00 Cords	\$ 40.75 / Cord
Quaking Aspen	25.00 Cords	\$ 32.45 / Cord
Red Maple	32.00 Cords	\$ 27.20 / Cord
Red Pine	1,349.00 Cords	\$ 67.30 / Cord
Tamarack	4.00 Cords	\$ 19.85 / Cord
White Pine	1,281.00 Cords	\$ 29.05 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 13.30 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 \$6,648.00 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.
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2019.

Description of Timber by Payment Unit (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Pulpwood	33.0	Cords	5.0	\$3,092.40
	White Pine		30.0	Cords		
2	Red Maple	Pulpwood	5.0	Cords	16.9	\$8,767.80
	Red Pine		92.0	Cords		
	White Pine		84.0	Cords		
3	Red Maple	Pulpwood	9.0	Cords	5.7	\$4,732.10
	Red Pine		52.0	Cords		
	White Pine		34.0	Cords		
4	Red Pine	Pulpwood	45.0	Cords	4.2	\$4,132.40
	White Pine		38.0	Cords		
5	Paper Birch	Pulpwood	2.0	Cords	39.4	\$22,546.55
	Red Maple		6.0	Cords		
	Red Pine		202.0	Cords		
	Tamarack		4.0	Cords		
	White Pine		297.0	Cords		
6	Jack Pine	Pulpwood	12.0	Cords	40.8	\$23,930.45
	Red Maple		6.0	Cords		
	Red Pine		203.0	Cords		
	White Pine		327.0	Cords		
7	Balsam Fir	Pulpwood	1.0	Cords	3.5	\$1,213.25
	Black Spruce		2.0	Cords		
	Paper Birch		3.0	Cords		
	Quaking Aspen		3.0	Cords		
	Red Pine		3.0	Cords		
	White Pine		24.0	Cords		
8	Black Spruce	Pulpwood	4.0	Cords	2.4	\$1,412.25
	Jack Pine		4.0	Cords		
	Quaking Aspen		2.0	Cords		
	Red Maple		2.0	Cords		
	Red Pine		5.0	Cords		
	White Pine		21.0	Cords		
9	Black Spruce	Pulpwood	1.0	Cords	1.4	\$1,666.60
	Jack Pine		2.0	Cords		
	Red Pine		21.0	Cords		
	White Pine		4.0	Cords		
10	Black Spruce	Pulpwood	10.0	Cords	4.5	\$4,015.80
	Jack Pine		14.0	Cords		
	Red Maple		2.0	Cords		
	Red Pine		24.0	Cords		
	White Pine		44.0	Cords		
11	Black Spruce	Pulpwood	5.0	Cords	13.1	\$6,926.90
	Jack Pine		9.0	Cords		
	Quaking Aspen		10.0	Cords		
	Red Pine		55.0	Cords		
	White Pine		78.0	Cords		
12	Jack Pine	Pulpwood	2.0	Cords	11.1	\$12,251.30
	Red Pine		165.0	Cords		
	White Pine		36.0	Cords		
13	Red Pine	Pulpwood	161.0	Cords	8.1	\$12,200.65
	White Pine		47.0	Cords		
14	Quaking Aspen	Pulpwood	10.0	Cords	13.7	\$21,219.40
	Red Pine		244.0	Cords		
	White Pine		154.0	Cords		
15	Red Maple	Pulpwood	2.0	Cords	16.2	\$4,845.75
	Red Pine		44.0	Cords		

Description of Timber by Payment Unit (PU), con't

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
15 con't	White Pine	Pulpwood	63.0	Cords		
TOTAL:			2,762.0	Cords		

Sale Specific Conditions & Requirements

Sale Name: Red Turns Green

Sale Number: 41-010-16 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. 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) 13 and 14, cut all trees that are two (2) inches or more at DBH both live and dead.

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

Within Payment Unit(s) 12 and 15, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

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

Within Payment Unit(s) 1-11, all trees, having a stump diameter greater than 6 inches, are designated for cutting except trees marked with green paint above and below stump height. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within Payment Unit(s) 13 and 14 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) 5, 6 & 12-14 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

3.4.1 - Damaged timber (6/14)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings.

Within Payment Units 1-12 and 15, if more than 25% of the tree seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the sale area are damaged, liquidated damages will be assessed at \$300 per acre for all acreage within that specified portion of the sale area that was damaged.

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 hemlock and oak. 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.

4.1.5 - Culverts (5/14)

Roads may require the installation of culverts for cross drainage or at natural drainage-ways. If culverts are needed in these locations, their placement will be specified by the sale administrator and they shall be installed prior to hauling. The culverts shall be new, corrugated metal or plastic gauge. Culverts will be a minimum of 12 inches in diameter and 24 feet in length. If culverts are removed, fill shall be removed from wetland soils as specified. Soils shall be maintained and left in a non-erodible condition, with water bars, seed, fertilizer, mulch, and slash installed as directed by the sale administrator and as specified in the BMP manual. Stream crossing permits, if needed, will be obtained by the DNR.

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. Contact the sale administrator for specific details of design and placement.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land is the responsibility of the Purchaser.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/11)

A pre-sale conference 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.

5.1.4 - Post-sale conference (6/11)

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

5.2.1.1 - Slash within sale area (2/04)

No trees are to be felled outside the sale area and all slash is to be kept at least 10 feet back from the blue paint line.

5.2.1.2 - Slash Removal

5.2.1.2.1 - Slash removal, right-of-way (12/04)

All slash must be removed at least 10 feet from the cleared right-of-way of forest roads.

5.2.1.12 - Slash for prescribed burning (1/05)

To facilitate prescribed burning, slash shall be moved at least 25 feet inside the sale boundary. This applies only to Payment Units 13 and 14.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (2/04)

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

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 12 and 15, cutting, skidding, and hauling are limited to snow free conditions. This restriction is to enhance scarification of soil for regeneration purposes.

5.2.3.6 - Bark beetle restriction (12/08)

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

5.2.4 - Dead and Down Creation

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

Except as provided for in General Condition and Requirement 5.2.2, no dead trees, standing or down, are to be cut, skidded, or processed. This does not apply to Payment Units 13 and 14, where all trees, both live and dead, greater than 2 inches DBH, must be harvested to facilitate planting operations.

5.2.17 - Crane Mats/Timber Mats (10/14)

Some roads or skid trails may require extra protection such as that afforded by Crane Mats/Timber Mats. If available, Crane Mats/Timber Mats may be borrowed from the DNR and are located at the Marquette ICC and the Grayling Field Office. Contact the sale administrator for specific details. A Timber Sale Contract Supplement will be used to document the Purchaser's use of the DNR's Crane Mats/Timber Mats. It is the responsibility of the Purchaser to contact the sale administrator to schedule pick up and drop off. In addition, all mats must be cleaned prior to drop off. A charge of \$125.00 will be assessed for all damaged or non-returned mats. Damage is defined as misuse resulting in three or more broken cants.

5.2.37 - No decking areas (12/08)

No decking is allowed within 50 feet of Southside Road unless approved by the Schoolcraft County Road Commission.

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

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

5.2.41 - Snowmobile trail protection (9/11)

There is a snowmobile trail and it is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her 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. No decking of forest products will be permitted along the snowmobile trail.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

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

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.

6 - Safety and Fire Prevention

6.2 - Signing

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 will provide these signs.

7 - Other Conditions

7.3 - Contract Modifications

7.3.1 - Emerald Ash Borer

7.3.1.2 - Emerald ash borer, ash or firewood on sale (2/05)

There is ash and/or "firewood" in this sale and it is located within an emerald ash borer quarantined area. The Director of the Michigan Department of Agriculture (MDA) by the authority of Act No. 72 of the Public Acts of 1945, as amended, and Quarantine Regulation No. 620, has promulgated this quarantine to prevent the further spread of this pest and sets forth: definitions, regulated articles, regulated areas, conditions of movement, violations and penalties, and special exemptions. The Purchaser must comply with this quarantine. Contact the MDA for further information.



TIMBER SALE MAP

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

Forest Management Unit Shingleton		County Schoolcraft	Mapped By Petrelus	Date 07/12/2016	Page 1	of 1
Township 43N	Range 15W	Section(s) and Subdivision(s) Sec 5: SE,NESW,SWNE,NW Sec 6: E1/2NE Sec 7 N1/2NE Sec 8 SWNW,NWSE,E1/2NE Sec 9 SWNE		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			

Red Turns Green

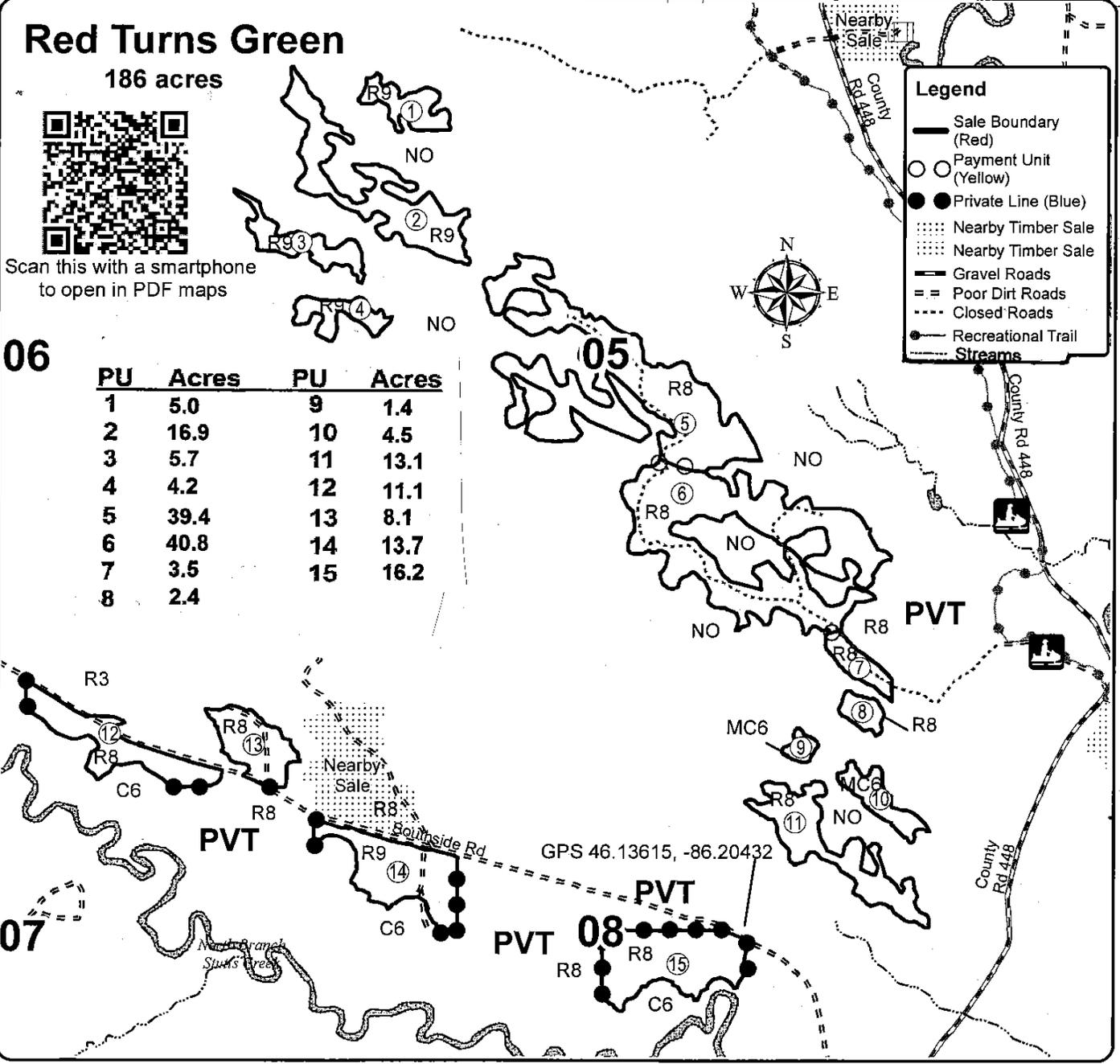
186 acres



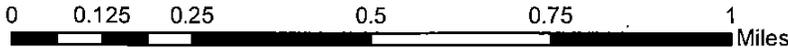
Scan this with a smartphone to open in PDF maps

06

PU	Acres	PU	Acres
1	5.0	9	1.4
2	16.9	10	4.5
3	5.7	11	13.1
4	4.2	12	11.1
5	39.4	13	8.1
6	40.8	14	13.7
7	3.5	15	16.2
8	2.4		



GPS 46.13615, -86.20432



TIMBER SALE INFORMATION

Lotsa Bugs (41-011-16)

Schoolcraft County (Advertised Price \$266,371.50)

SALE NOTE: The county must be contacted prior to crossing or harvesting in the county road right-of-way.

Within Payment Units 1-4, harvesting is not permitted during the period April 15 to July 15 due to bark slippage.

It is recommended, but not required, that within Payment Units 6-10, harvesting occur in dry summer or frozen winter conditions due to soft soils.

The Highwater Truck Trail is a snowmobile trail shown on the timber Sale Map. See Sale Spec 5.2.41 for operating restrictions.

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. 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	17.70 MBF	\$ 322.00 / MBF
Paper Birch	0.60 MBF	\$ 143.00 / MBF
Red Maple	92.20 MBF	\$ 168.00 / MBF
Red Pine	55.80 MBF	\$ 197.00 / MBF
Sugar Maple	28.90 MBF	\$ 709.00 / MBF
White Pine	55.10 MBF	\$ 42.00 / MBF
Pulpwood		
Balsam Fir	56.00 Cords	\$ 26.55 / Cord
Beech	385.00 Cords	\$ 32.35 / Cord
Black Spruce	922.00 Cords	\$ 42.85 / Cord
Jack Pine	60.00 Cords	\$ 60.00 / Cord
Misc. Species 1	10.00 Cords	\$ 19.00 / Cord
Mixed Aspen	332.00 Cords	\$ 38.55 / Cord
Mixed Hardwood	1,969.00 Cords	\$ 32.35 / Cord
Paper Birch	163.00 Cords	\$ 48.40 / Cord
Red Pine	758.00 Cords	\$ 79.95 / Cord
White Pine	263.00 Cords	\$ 34.50 / 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 \$13,319.00 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.
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2020.

Description of Timber by Payment Unit (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
1	Black Cherry	Sawtimber	3.6	MBF	22.9	\$13,240.95	
	Paper Birch		0.3	MBF			
	Red Maple		17.5	MBF			
	Sugar Maple		0.4	MBF			
	Beech		Pulpwood	79.0			Cords
	Mixed Hardwood			192.0			Cords
	<i>Black Cherry</i>			11.0			<i>Cords</i>
	<i>Red Maple</i>			131.0			<i>Cords</i>
	<i>Sugar Maple</i>			50.0			<i>Cords</i>
	Paper Birch			1.0			Cords
2	Black Cherry	Sawtimber	4.9	MBF	32.5	\$25,850.25	
	Paper Birch		0.1	MBF			
	Red Maple		24.0	MBF			
	Sugar Maple		5.6	MBF			
	Beech		Pulpwood	134.0			Cords
	Mixed Hardwood			367.0			Cords
	<i>Black Cherry</i>			100.0			<i>Cords</i>
	<i>Red Maple</i>			201.0			<i>Cords</i>
	<i>Sugar Maple</i>			66.0			<i>Cords</i>
	Paper Birch			1.0			Cords
3	Black Cherry	Sawtimber	3.7	MBF	37.8	\$33,848.90	
	Paper Birch		0.1	MBF			
	Red Maple		13.7	MBF			
	Sugar Maple		21.4	MBF			
	Beech		Pulpwood	96.0			Cords
	Mixed Aspen			31.0			Cords
	<i>Quaking Aspen</i>			31.0			<i>Cords</i>
	Mixed Hardwood			321.0			Cords
	<i>Black Cherry</i>			40.0			<i>Cords</i>
	<i>Ironwood</i>			4.0			<i>Cords</i>
	<i>Red Maple</i>		148.0	<i>Cords</i>			
	<i>Sugar Maple</i>		129.0	<i>Cords</i>			
	Paper Birch		10.0	Cords			
4	Black Cherry	Sawtimber	5.5	MBF	28.9	\$18,850.95	
	Paper Birch		0.1	MBF			
	Red Maple		17.2	MBF			
	Sugar Maple		1.5	MBF			
	Beech		Pulpwood	66.0			Cords
	Mixed Aspen			37.0			Cords
	<i>Quaking Aspen</i>			37.0			<i>Cords</i>
	Mixed Hardwood			282.0			Cords
	<i>Black Cherry</i>			60.0			<i>Cords</i>
	<i>Red Maple</i>			213.0			<i>Cords</i>
	<i>Sugar Maple</i>		9.0	<i>Cords</i>			
	Paper Birch		6.0	Cords			
	White Pine		4.0	Cords			
5	Jack Pine	Pulpwood	6.0	Cords	36.1	\$40,622.60	
	Mixed Hardwood		2.0	Cords			
	<i>Black Cherry</i>		2.0	<i>Cords</i>			
	Red Pine		492.0	Cords			
	White Pine		25.0	Cords			
6	Red Maple	Sawtimber	7.0	MBF	40.9	\$20,996.40	
	Balsam Fir	Pulpwood	37.0	Cords			
	Beech		10.0	Cords			
	Black Spruce		36.0	Cords			
	Mixed Aspen		145.0	Cords			

Description of Timber by Payment Unit (PU), con't

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
6 con't	<i>Quaking Aspen</i> Mixed Hardwood <i>Red Maple</i> Paper Birch	<i>Pulpwood</i>	145.0 292.0 292.0 40.0	<i>Cords</i> Cords <i>Cords</i> Cords		
7	Red Maple Balsam Fir Black Spruce Mixed Aspen <i>Quaking Aspen</i> Mixed Hardwood <i>Red Maple</i> Paper Birch Red Pine	Sawtimber Pulpwood	7.6 10.0 130.0 67.0 67.0 325.0 325.0 24.0 11.0	MBF Cords Cords Cords <i>Cords</i> Cords <i>Cords</i> Cords Cords	39.3	\$22,250.45
8	Red Maple Red Pine White Pine Balsam Fir Black Spruce Misc. Species 1 <i>White Spruce</i> Mixed Aspen <i>Quaking Aspen</i> Mixed Hardwood <i>Red Maple</i> <i>Yellow Birch</i> Paper Birch Red Pine White Pine	Sawtimber Pulpwood	5.2 2.8 34.5 3.0 35.0 4.0 4.0 13.0 13.0 137.0 132.0 5.0 40.0 10.0 116.0	MBF MBF MBF Cords Cords Cords <i>Cords</i> Cords <i>Cords</i> Cords <i>Cords</i> <i>Cords</i> Cords Cords Cords	20.4	\$16,200.20
9	Red Pine White Pine Balsam Fir Black Spruce Jack Pine Mixed Aspen <i>Quaking Aspen</i> Mixed Hardwood <i>Red Maple</i> Paper Birch Red Pine White Pine	Sawtimber Pulpwood	42.0 10.2 3.0 249.0 5.0 24.0 24.0 23.0 23.0 23.0 205.0 60.0	MBF MBF Cords Cords Cords Cords <i>Cords</i> Cords <i>Cords</i> Cords Cords Cords	25.9	\$40,993.90
10	Red Pine White Pine Balsam Fir Black Spruce Jack Pine Misc. Species 1 <i>N. White Cedar</i> <i>Tamarack</i> Mixed Aspen <i>Quaking Aspen</i> Mixed Hardwood <i>Red Maple</i> Paper Birch Red Pine White Pine	Sawtimber Pulpwood	11.0 10.4 3.0 472.0 49.0 6.0 4.0 2.0 15.0 15.0 28.0 28.0 18.0 40.0 58.0	MBF MBF Cords Cords Cords Cords <i>Cords</i> <i>Cords</i> Cords <i>Cords</i> Cords <i>Cords</i> Cords Cords Cords	36.1	\$33,516.90

TOTAL:	250.3	MBF
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TOTAL:	7,229.0	Cords
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Sale Specific Conditions & Requirements

Sale Name: Lotsa Bugs

Sale Number: 41-011-16 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, with the exception of the boundaries between Payment Units 4 & 6 and 5 & 6, which are marked with red paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Yellow and red 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

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

Within Payment Unit(s) 6 and 7, cut all trees which meet minimum piece specifications in 2.2 Utilization except hemlock, oak, cedar and white pine. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

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

Within Payment Unit(s) 1-5, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, all beech and ash trees are designated for harvest unless marked with green paint.

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

Within Payment Unit(s) 8, 9, and 10, all trees, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting except hemlock and oak as well as trees marked with green paint. In addition, do not cut cedar located in Payment Units 8 and 9. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

2.1.11 - Description of timber note (2/04)

Note that Misc. Species 1 contains 4 cords of cedar, 2 cords of tamarack, and 4 cords of white spruce.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within Payment Unit(s) 5, 9, and 10 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. A written waiver of this requirement may be obtained if wet summer weather makes winter logging necessary.

2.2.9 - No chipping permitted (12/08)

Within Payment Unit(s) 6-10, all wood must be removed by whole tree, tree segment, or roundwood. No chipping is permitted.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 1-10 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

3.4.2 - 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

hemlock and oak. 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. These roads must be rendered impassable to cars and trucks. Contact the sale administrator for specific details of design and placement.

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.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/11)

A pre-sale conference 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.

5.1.4 - Post-sale conference (6/11)

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

5.2.1.1 - Slash within sale area (2/04)

No trees are to be felled outside the sale area and all slash is to be kept at least 10 feet back from the blue paint line.

5.2.1.2 - Slash Removal

5.2.1.2.1 - Slash removal, right-of-way (12/04)

All slash must be removed at least 10 feet from the cleared right-of-way of forest roads.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (2/04)

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 - 4, 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.

5.2.4 - Dead and Down Creation

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

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

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 6 - 10, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is due to soft soils.

5.2.37 - No decking areas (12/08)

No decking is allowed in the County Road right of way.

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 Highwater Truck Trail is a snowmobile trail and 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 for hauling, it must be graded to the satisfaction of the Unit Manager or his/her 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. No decking of forest products will be permitted along the snowmobile trail during the snowmobile season. All stumps within 20 feet of the snowmobile trail must be cut at ground level.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

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

5.8 - 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.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.2 - Snowmobile trail posting (8/09)

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

7 - Other Conditions

7.3 - Contract Modifications

7.3.1 - Emerald Ash Borer

7.3.1.2 - Emerald ash borer, ash or firewood on sale (2/05)

There is ash and/or "firewood" in this sale and it is located within an emerald ash borer quarantined area. The Director of the Michigan Department of Agriculture (MDA) by the authority of Act No. 72 of the Public Acts of 1945, as amended, and Quarantine Regulation No. 620, has promulgated this quarantine to prevent the further spread of this pest and sets forth: definitions, regulated articles, regulated areas, conditions of movement, violations and penalties, and special exemptions. The Purchaser must comply with this quarantine. Contact the MDA for further information.

TIMBER SALE INFORMATION

Davidson Road SBW (41-013-16)

Schoolcraft County (Advertised Price \$12,666.80)

SALE NOTE: This sale has spruce and fir volume and should be harvested as soon as possible due to the threat of Spruce Budworm.

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		
Paper Birch	1.70 MBF	\$ 90.00 / MBF
Red Maple	2.80 MBF	\$ 106.00 / MBF
Pulpwood		
Balsam Fir	136.00 Cords	\$ 16.75 / Cord
Jack Pine	12.00 Cords	\$ 37.90 / Cord
Mixed Aspen	167.00 Cords	\$ 24.35 / Cord
Mixed Hardwood	220.00 Cords	\$ 20.40 / Cord
White Pine	29.00 Cords	\$ 21.80 / Cord
White Spruce	11.00 Cords	\$ 27.05 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 16.17 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 \$633.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule:
 - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - (b) The remainder is due before cutting begins.
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2018.

Description of Timber by Payment Unit (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Paper Birch	Sawtimber	1.7	MBF	26.9	\$12,666.80
	Red Maple		2.8	MBF		
	Balsam Fir	Pulpwood	136.0	Cords		
	Jack Pine		12.0	Cords		
	Mixed Aspen		167.0	Cords		
	<i>Balsam Poplar</i>		2.0	<i>Cords</i>		
	<i>Quaking Aspen</i>		165.0	<i>Cords</i>		
	Mixed Hardwood		220.0	Cords		
	<i>American Elm</i>		2.0	<i>Cords</i>		
	<i>Black Ash</i>		2.0	<i>Cords</i>		
	<i>Black Cherry</i>		3.0	<i>Cords</i>		
	<i>Paper Birch</i>		34.0	<i>Cords</i>		
	<i>Red Maple</i>		164.0	<i>Cords</i>		
	<i>Sugar Maple</i>		14.0	<i>Cords</i>		
	<i>Yellow Birch</i>		1.0	<i>Cords</i>		
	White Pine		29.0	Cords		
	White Spruce		11.0	Cords		
TOTAL:			4.5	MBF		
TOTAL:			962.0	Cords		

Sale Specific Conditions & Requirements

Sale Name: Davidson Road SBW

Sale Number: 41-013-16 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (1/14)

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

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1, cut all trees that are two (2) inches or more at DBH except cedar, hemlock, and oak. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

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 hemlock and oak. 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.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/11)

A pre-sale conference 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.

5.1.4 - Post-sale conference (6/11)

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

5.2.1.1 - Slash within sale area (2/04)

No trees are to be felled outside the sale area and all slash is to be kept at least 10 feet back from the blue paint line.

5.2.1.2 - Slash Removal

5.2.1.2.1 - Slash removal, right-of-way (12/04)

All slash must be removed at least 10 feet from the cleared right-of-way of forest roads.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (2/04)

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

5.2.4 - Dead and Down Creation

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

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

5.2.38 - 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 for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1st. The snowmobile trail may not be used for any timber sale operations from December 1 to March 31.

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

7.3.1 - Emerald Ash Borer

7.3.1.2 - Emerald ash borer, ash or firewood on sale (2/05)

There is ash and/or "firewood" in this sale and it is located within an emerald ash borer quarantined area. The Director of the Michigan Department of Agriculture (MDA) by the authority of Act No. 72 of the Public Acts of 1945, as amended, and Quarantine Regulation No. 620, has promulgated this quarantine to prevent the further spread of this pest and sets forth: definitions, regulated articles, regulated areas, conditions of movement, violations and penalties, and special exemptions. The Purchaser must comply with this quarantine. Contact the MDA for further information.

7.5 - Loss

7.5.1 - Deteriorating timber (7/09)

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



TIMBER SALE MAP

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

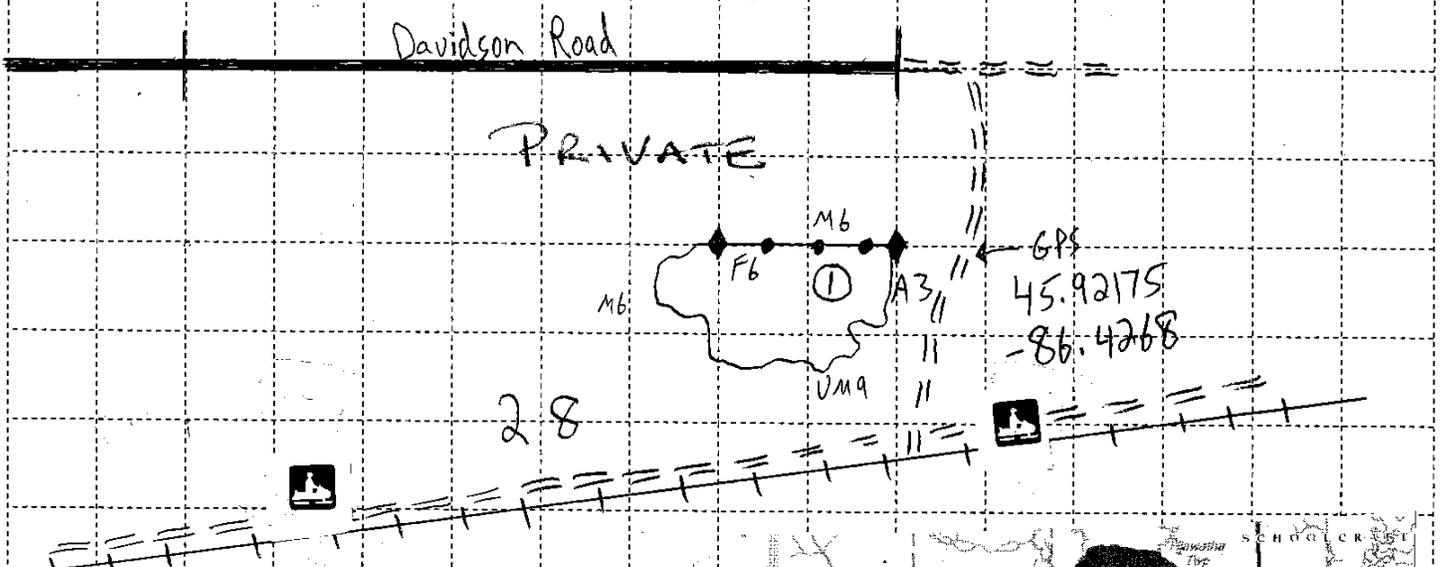
Sale Number	Year
41-013	16

Forest Management Unit Shingleton	County Schockcraft	Mapped By Petrelus	Date 7-13-16	Page of 1 1
Compartment Number 86	Township 41N	Range 17W	Section(s) and Subdivision(s) 28: 5 1/2 NE	
			Scale: [... 4"] = 1 mile	

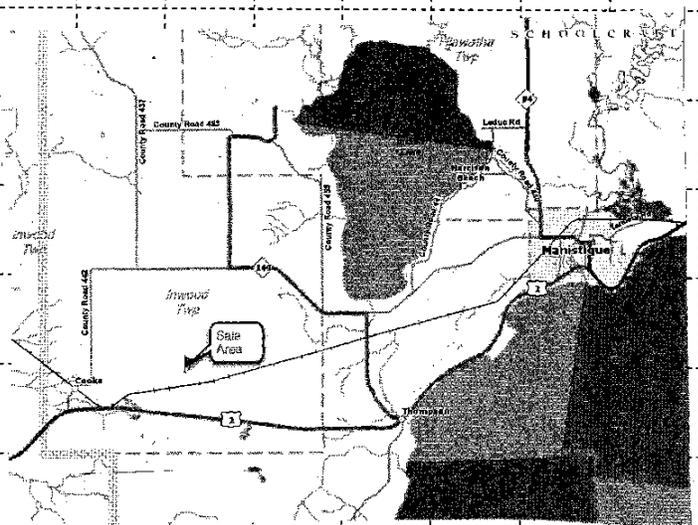
Cover Type			
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, 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

Davidson Road SBW
269 acres



- Legend**
- Sale boundary - Red
 - Private Line - Blue
 - Gravel County Road
 - Poor dirt
 - Railroad tracks
 - Unit #
 - Survey corner



Lotsa Bugs (41-011-16)
 ; Schoolcraft COUNTY

In response to the notice of sale to be held 2:00 p.m. (local time) on November 2, 2016, 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</u>
Sawtimber			
Black Cherry	17.70 MBF	\$ 322.00/MBF	\$ _____
Paper Birch	0.60 MBF	\$ 143.00/MBF	\$ _____
Red Maple	92.20 MBF	\$ 168.00/MBF	\$ _____
Red Pine	55.80 MBF	\$ 197.00/MBF	\$ _____
Sugar Maple	28.90 MBF	\$ 709.00/MBF	\$ _____
White Pine	55.10 MBF	\$ 42.00/MBF	\$ _____
Pulpwood			
Balsam Fir	56.00 Cords	\$ 26.55/Cord	\$ _____
Beech	385.00 Cords	\$ 32.35/Cord	\$ _____
Black Spruce	922.00 Cords	\$ 42.85/Cord	\$ _____
Jack Pine	60.00 Cords	\$ 60.00/Cord	\$ _____
Misc. Species 1	10.00 Cords	\$ 19.00/Cord	\$ _____
Mixed Aspen	332.00 Cords	\$ 38.55/Cord	\$ _____
Mixed Hardwood	1,969.00 Cords	\$ 32.35/Cord	\$ _____
Paper Birch	163.00 Cords	\$ 48.40/Cord	\$ _____
Red Pine	758.00 Cords	\$ 79.95/Cord	\$ _____
White Pine	263.00 Cords	\$ 34.50/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.
- 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

Red Turns Green (41-010-16)
 ; Schoolcraft COUNTY

In response to the notice of sale to be held 2:00 p.m. (local time) on November 2, 2016, 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</u>
Pulpwood			
Balsam Fir	1.00 Cords	\$ 22.35/Cord	\$ _____
Black Spruce	22.00 Cords	\$ 36.10/Cord	\$ _____
Jack Pine	43.00 Cords	\$ 50.50/Cord	\$ _____
Paper Birch	5.00 Cords	\$ 40.75/Cord	\$ _____
Quaking Aspen	25.00 Cords	\$ 32.45/Cord	\$ _____
Red Maple	32.00 Cords	\$ 27.20/Cord	\$ _____
Red Pine	1,349.00 Cords	\$ 67.30/Cord	\$ _____
Tamarack	4.00 Cords	\$ 19.85/Cord	\$ _____
White Pine	1,281.00 Cords	\$ 29.05/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 13.30 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.*

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 - 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.
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 - 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

Davidson Road SBW (41-013-16)
 ; Schoolcraft COUNTY

In response to the notice of sale to be held 2:00 p.m. (local time) on November 2, 2016, 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</u>
Sawtimber			
Paper Birch	1.70 MBF	\$ 90.00/MBF	\$ _____
Red Maple	2.80 MBF	\$ 106.00/MBF	\$ _____
Pulpwood			
Balsam Fir	136.00 Cords	\$ 16.75/Cord	\$ _____
Jack Pine	12.00 Cords	\$ 37.90/Cord	\$ _____
Mixed Aspen	167.00 Cords	\$ 24.35/Cord	\$ _____
Mixed Hardwood	220.00 Cords	\$ 20.40/Cord	\$ _____
White Pine	29.00 Cords	\$ 21.80/Cord	\$ _____
White Spruce	11.00 Cords	\$ 27.05/Cord	\$ _____

*The volumes are statistically estimated within plus (+) or minus (-) 16.17 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

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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

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