



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6309

SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on December 19, 2018.

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

CONTACT NAME: Robert Burnham

PHONE NUMBER: (906) 452-6227

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:

C-103 Mixed timber (41-018-18) / T49N, R13W, SEC. 13, W1/2SE.

T49N, R13W, SEC. 14, SE.

T49N, R13W, SEC. 23, SENW,NWNE,E1/2SW,N1/2SE,SWSE.

T49N, R13W, SEC. 25, SENW,SWNE,NESW,NWSE.

T49N, R13W, SEC. 26, NWNE.

Alger County, Advertised Price \$270,430.75, 286.9 Acres, Jack Pine, Red 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. The advertised price has been reduced by the estimate cost of this road work to off-set the additional expense. New road is proposed south of Payment Unit 5 to access units 6, 7, 8 and 9. See Sale Spec 4.1.8 for additional information.

Pull Up Hill Road is also Trail 8 and must be used to access the sale. See Sale Spec 5.2.41 for details.

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.

TIMBER SALE INFORMATION

C-103 Mixed timber (41-018-18)

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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	138.00 Cords	\$ 16.80 / Cord
Jack Pine	5,640.00 Cords	\$ 39.75 / Cord
Mixed Aspen	242.00 Cords	\$ 24.55 / Cord
Mixed Hardwood	333.00 Cords	\$ 18.85 / Cord
Red Pine	390.00 Cords	\$ 50.85 / Cord
White Pine	329.00 Cords	\$ 22.50 / Cord
White Spruce	206.00 Cords	\$ 21.70 / Cord

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$13,521.54 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 06/30/2022.

Description of Timber by Payment Unit (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Balsam Fir	Pulpwood	57.0	Cords	16.6	\$6,555.20
	Mixed Aspen		21.0	Cords		
	<i>B. T. Aspen</i>		21.0	Cords		
	Mixed Hardwood		155.0	Cords		
	<i>Beech</i>		7.0	Cords		
	<i>Red Maple</i>		148.0	Cords		
	White Pine		15.0	Cords		
	White Spruce		84.0	Cords		
2	Balsam Fir	Pulpwood	7.0	Cords	12.2	\$10,369.60
	Jack Pine		177.0	Cords		
	Mixed Aspen		76.0	Cords		
	<i>B. T. Aspen</i>		76.0	Cords		
	Mixed Hardwood		47.0	Cords		
	<i>Red Maple</i>		47.0	Cords		
	White Pine		11.0	Cords		
	White Spruce		10.0	Cords		
3	Balsam Fir	Pulpwood	20.0	Cords	21.2	\$7,808.90
	Jack Pine		48.0	Cords		
	Mixed Aspen		132.0	Cords		
	<i>Quaking Aspen</i>		132.0	Cords		
	Mixed Hardwood		38.0	Cords		
	<i>Black Cherry</i>		1.0	Cords		
	<i>Red Maple</i>		37.0	Cords		
	White Pine		57.0	Cords		
	White Spruce		15.0	Cords		
4	Balsam Fir	Pulpwood	54.0	Cords	17.7	\$8,496.60
	Mixed Aspen		13.0	Cords		
	<i>Quaking Aspen</i>		13.0	Cords		
	Mixed Hardwood		57.0	Cords		
	<i>Red Maple</i>		57.0	Cords		
	White Pine		204.0	Cords		
	White Spruce		74.0	Cords		
5	Mixed Hardwood	Pulpwood	13.0	Cords	2.5	\$245.05
	<i>Red Maple</i>		13.0	Cords		
6	Mixed Hardwood	Pulpwood	3.0	Cords	14.6	\$6,949.80
	<i>Black Cherry</i>		3.0	Cords		
	Red Pine		133.0	Cords		
	White Spruce		6.0	Cords		
7	Jack Pine	Pulpwood	1,317.0	Cords	42.2	\$52,993.90
	Mixed Hardwood		5.0	Cords		
	<i>Black Cherry</i>		5.0	Cords		
	White Pine		8.0	Cords		
	White Spruce		17.0	Cords		
8	Jack Pine	Pulpwood	1,924.0	Cords	65.7	\$77,526.75
	Mixed Hardwood		15.0	Cords		
	<i>Black Cherry</i>		15.0	Cords		
	White Pine		34.0	Cords		
9	Jack Pine	Pulpwood	4.0	Cords	23.3	\$13,227.45
	Red Pine		257.0	Cords		
10	Jack Pine	Pulpwood	997.0	Cords	36.2	\$39,630.75
11	Jack Pine	Pulpwood	1,173.0	Cords	34.7	\$46,626.75
TOTAL:			7,278.0	Cords		

Sale Specific Conditions & Requirements

Sale Name: C-103 Mixed timber

Sale Number: 41-018-18 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. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1, 2, 3, 4 and 7, cut all trees that are two (2) inches or more at DBH, except do not cut oak and hemlock. Special protection areas identified in accordance with condition 3.4.3, within clearcutting unit boundaries, are not Included Timber and are to be protected.

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

Within Payment Unit(s) 8, 10 and 11, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut hemlock and oak. Special protection areas identified in accordance with condition 3.4.3, 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) 5, 6 and 9, 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 Payment Unit(s) 2 and 6 - 11 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.

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.

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 marked with a green boundary line.

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)

With the exception of the proposed new road indicated on the Timber Sale Map, 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)

The following road work is required: 100 cubic yards of once crushed breaker run gravel must be purchased, hauled and spread. The gravel location is indicated on the Timber Sale Map. All costs associated with the gravel are at the Purchaser's expense.

4.2 - Maintenance

4.2.2 - Fill material (4/07)

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

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or 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 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

5.2.1 - Slash

5.2.1.11 - Slash for reforestation (5/07)

To facilitate reforestation, the sale area shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. Stumps shall be cut low to the ground. Processing sites shall not be left with a

compacted layer of slash; tops from these sites shall be hauled back into the cut area and scattered.

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

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

5.2.3 - Operating Restrictions

5.2.3.6 - 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.

5.2.41 - Snowmobile trail protection (9/11)

Pull Up Hill Road is also Trail 8 and must be used to access the sale. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail road is to be used for hauling during the snowmobile season, then a snow covered base must be left on the trail. Maintain a 20 foot wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

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

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.



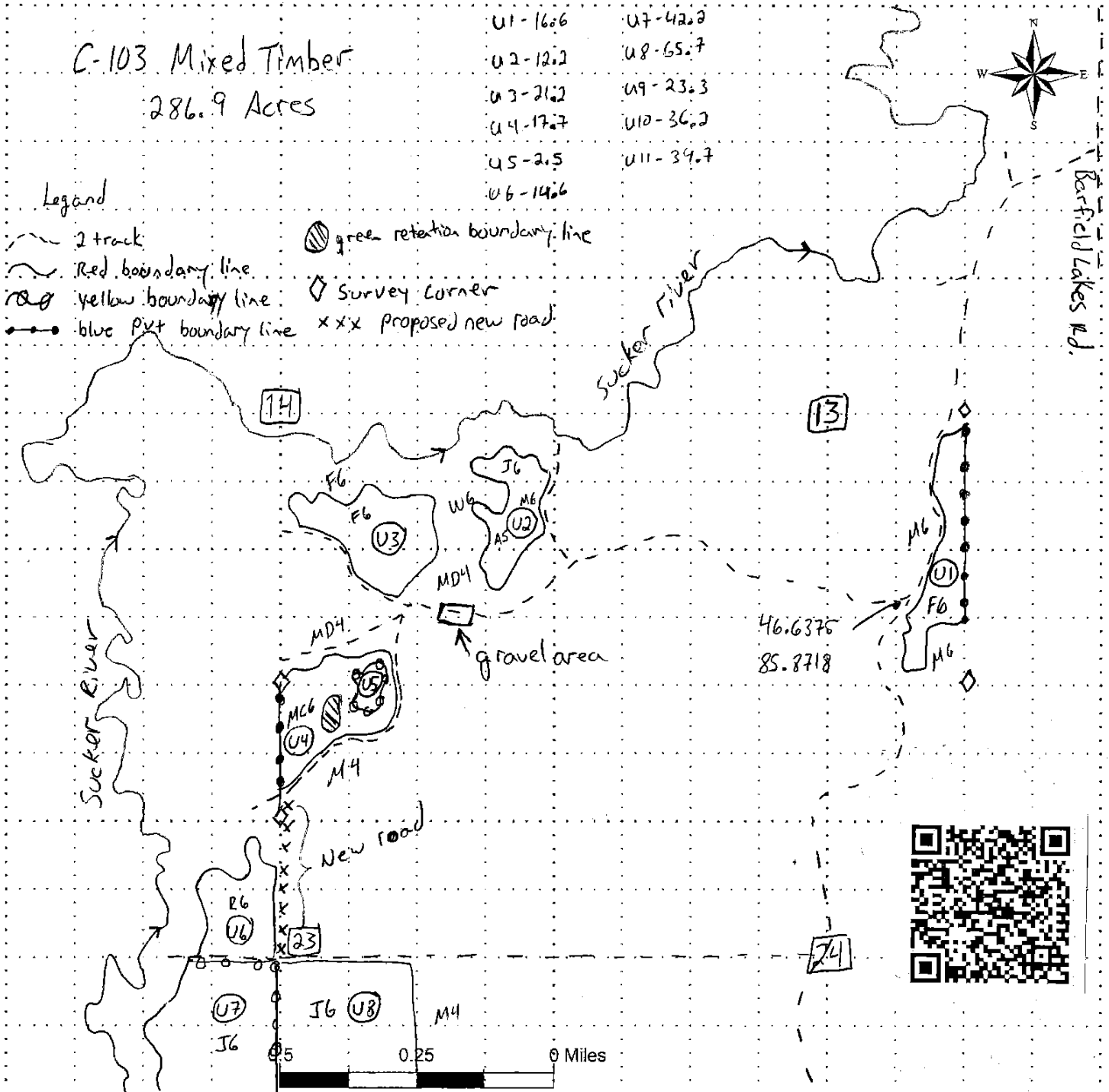
TIMBER SALE MAP

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

Sale Number	Year
41-018-01-18	2018

Forest Management Unit Shingleton	County Alger	Mapped By Molin	Date 8-29-18	Page 1	of 2
Compartiment Number 103	Township 49N	Range 13W	Section(s) and Subdivision(s) 13-w1/2se, 14-se, 23-sene nwne e1/2sw n1/2se swse 25-senw swne nwse 26-nwne		

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





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