



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6919

SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on September 8, 2021.

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:

Macho Man Mix (41-016-20) / T48N, R15W, SEC. 10, NW,SW.

T48N, R15W, SEC. 11, SWSW.

T48N, R15W, SEC. 14, W1/2NW,NWSW.

T48N, R15W, SEC. 15, NW,NE,N1/2SW,N1/2SE.

T48N, R15W, SEC. 16, NE,NESE.

T48N, R15W, SEC. 3 , S1/2SW.

T48N, R15W, SEC. 9 , NESE,S1/2SE.

Alger County, Advertised Price \$18,229.70, 807.0 Acres, Hardwood, White Pine.

SALE NOTE: Sale has been reduced by approximately 20% due to "no bids" on Prospectus 6886 dated 6-16-21.

Note that Payment Units 8 and 9 are being sold by the acre.

Within Payment Unit(s) 8 and 9, harvesting is not permitted during the period of March 15 through July 15 to protect Sharptail Grouse during the breeding season.

Within Payment Unit(s) 1 and 2, harvesting should occur during dry summer or frozen winter conditions because of the seasonal saturation of the soils.

The Fox River Pathway is a hiking trail and is shown on the Timber Sale Map. See Sale Spec. 5.2.40 for 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.

TIMBER SALE INFORMATION

Macho Man Mix (41-016-20)

T48N, R15W, SEC. 10; T48N, R15W, SEC. 11; T48N, R15W, SEC. 14; T48N, R15W, SEC. 15; T48N, R15W, SEC. 16; T48N, R15W, SEC. 3; T48N, R15W, SEC. 9.

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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. All units of volume listed below were estimated using the T-Sale computer program and our traditional volume equations. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Pulpwood		
Balsam Fir	21 Cords	\$ 7.65 / Cord
Black Spruce	50 Cords	\$ 6.00 / Cord
Jack Pine	26 Cords	\$ 14.55 / Cord
Mixed Hardwood	139 Cords	\$ 9.70 / Cord
Mixed Hardwood	693.8 Acres	\$ 1.00 / Acre
Paper Birch	189 Cords	\$ 9.75 / Cord
Red Pine	216 Cords	\$ 24.50 / Cord
Tamarack	10 Cords	\$ 1.70 / Cord
White Pine	921 Cords	\$ 8.90 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 9.60 percent. There are an estimated 1,571 cords on this timber sale, plus or minus 151 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$911.49 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	9.8%
02	55.7%
03	10.3%
04	0.3%
05	9.5%
06	3.4%
07	11.0%
08	0.0%
09	0.0%

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

SALE STATISTICS

SALE VOLUMES

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
124,125	1,571	9.60%	1,420	1,722

VDU VOLUMES

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

	VOLUME			RANGE IN CORDS	
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
5	16,321	207	18.02%	169	244
9	506	6	93.33%	0	12
13	66,597	843	13.14%	732	954
21	14,844	188	22.28%	146	230
26	13,880	176	30.05%	123	228
43	5,419	69	49.57%	35	103
49	6,557	83	24.05%	63	103
401	0	0	0.00%	0	0
404	0	0	0.00%	0	0
TOTAL:	124,125	1,571		1,269	1,874

VDU TO PAYMENT UNIT

When a VDU is associated with more than one Payment Unit (PU), the VDU volumes are assigned to the PU based on acres of the VDU within the PU.

VDU	VDU ACRES	PU	PU ACRES
5	17.3	1	17.3
9	1.7	4	1.7
13	56.2	2	56.2
21	18.6	3	18.6
26	9.1	5	9.1
43	4.7	6	4.7
49	5.6	7	5.6
401	450.4	9	450.4
404	243.4	8	243.4
TOTAL:	807.0		807.0

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Balsam Fir	Pulpwood	9	Cords	17.3	\$1,785.90
	Black Spruce		9	Cords		
	Mixed Hardwood		9	Cords		
	<i>Red Maple</i>		9	<i>Cords</i>		
	Paper Birch		3	Cords		
	Tamarack		4	Cords		
	White Pine		173	Cords		
2	Black Spruce	Pulpwood	34	Cords	56.2	\$9,440.50
	Jack Pine		11	Cords		
	Mixed Hardwood		5	Cords		
	<i>Red Maple</i>		5	<i>Cords</i>		
	Paper Birch		93	Cords		
	Red Pine		124	Cords		
	Tamarack		6	Cords		
	White Pine		570	Cords		
3	Jack Pine	Pulpwood	13	Cords	18.6	\$1,879.15
	Mixed Hardwood		11	Cords		
	<i>Red Maple</i>		11	<i>Cords</i>		
	Paper Birch		80	Cords		
	Red Pine		3	Cords		
	White Pine		82	Cords		
4	Mixed Hardwood	Pulpwood	6	Cords	1.7	\$58.20
	<i>Beech</i>		6	<i>Cords</i>		
5	Balsam Fir	Pulpwood	6	Cords	9.1	\$1,740.20
	Black Spruce		7	Cords		
	Mixed Hardwood		96	Cords		
	<i>Beech</i>		22	<i>Cords</i>		
	<i>Red Maple</i>		74	<i>Cords</i>		
	Red Pine		8	Cords		
White Pine	59	Cords				
6	Balsam Fir	Pulpwood	6	Cords	4.7	\$618.35
	Mixed Hardwood		12	Cords		
	<i>Red Maple</i>		12	<i>Cords</i>		
	Paper Birch		13	Cords		
	White Pine		37	Cords		
7	Jack Pine	Pulpwood	2	Cords	5.6	\$2,013.60
	Red Pine		81	Cords		
TOTAL:			1,572	Cords		

Sale Specific Conditions & Requirements

Sale Name: Macho Man Mix

Sale Number: 41-016-20 Seq#: 2

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, yellow, and green paint. In addition, Payment Unit 8 and 9 are Virtual Paint lines in which there is no paint. The cutting boundaries will be determined using Avenza Maps which is a free download. 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. Retention patches are marked with green paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 2, 3, 5, 6, 8 & 9, cut all trees which meet minimum piece specifications in 2.2 Utilization except hemlock, oak and trees marked with green paint. Special protection trees identified in accordance with condition 3.4.2, within clearcutting Payment 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) 4 and 7, 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, cut all trees that are 7 inches or greater at DBH. Also do not cut trees marked with green paint. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

2.1.11 - Description of timber note (2/04)

Note that Payment Units 8 and 9 are being sold by the acre.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within Payment Unit 7 shall not exceed 12 inches for trees greater than 10 inches at DBH and 4 inches for trees smaller than 10 inches at DBH. This is to facilitate future planting operations.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) that are \$15,000 or greater in value, may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment.

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

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

Within the Sale Area, 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 \$400 per acre for all acreage within that specified portion of the Sale Area that was damaged. This specification applies to Payment Units 1 and 2.

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.

4.1.6 - 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.

4.2 - Maintenance

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning, and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

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 5 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

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 8 and 9, unless changed by written agreement, cutting, skidding, and hauling are not permitted during the period of March 15 through July 15. This restriction is to protect Sharptail Grouse during the breeding season.

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.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 1 and 2, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because of the sometimes-seasonal saturation of the soils within these Payment Units.

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.

5.2.40 - Pathway protection (10/10)

The Fox River Pathway is a hiking trail and is shown on the Timber Sale Map. Do not cut trees or damage posts with blue pathway markers. Maintain a 20-foot-wide slash, debris, and rut free zone daily, using the pathway as the centerline. Do not run equipment down the pathway.

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 known in or around this area. 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 replacement costs 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.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.3 - Recreational trail posting (10/20)

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



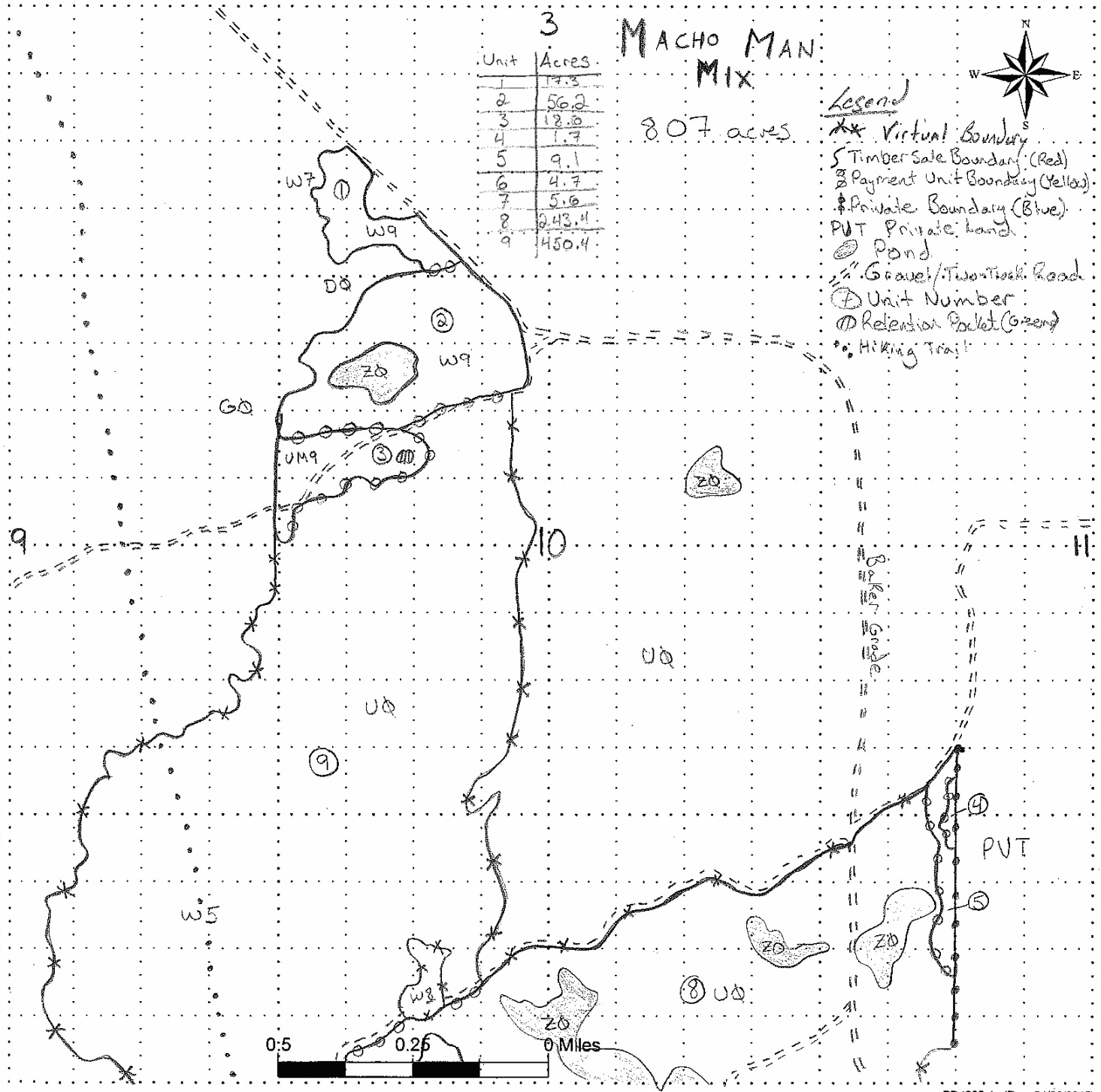
TIMBER SALE MAP

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

Sale Number	Year
41-010	20
Date	Page of
9/28/20	2 2
Section(s) and Subdivision(s)	
3, 9, 10, 11, 16, 15, 14	

Forest Management Unit	County	Mapped By
Shingleton	Alger	ONR Staff
Compartment Number	Township	Cruised By
138	48N	ONR Staff
Range	Section(s) and Subdivision(s)	
15W	3, 9, 10, 11, 16, 15, 14	

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				





Sale Number	Year
41-016	20

TIMBER SALE MAP

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

Forest Management Unit Shingleton	County Alger	Mapped By DNR Staff	Date 9/28/20	Page 1	of 2
Compartment Number 138	Township 48N	Range 15W	Section(s) and Subdivision(s) 3, 9, 10, 11, 16, 15, 14		

Cover Type

A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
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D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
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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

