



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6865

REVISION NOTICE #1 - March 23, 2021

SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on Wednesday, March 31, 2021

LOCATION: Shingleton Mgmt Unit, PO Box 67, M 28 West, Shingleton, MI 49884

This prospectus has been modified with the following changes.

Please ignore the VDU VOLUMES table found on page 6. The information displayed in that table is incorrect. All other references to volume in this prospectus is correct.

We apologize for any inconvenience this may have caused. If you need assistance, please contact Robert Burnham at 906-452-6227 ext. 240.



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SCHEDULED SALE DATE AND TIME: **2:00 p.m. (local time) on March 31, 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PROSPECTUS NOTE: This sale was previously advertised on Prospectus 6852 (bid date of 3-17-21), but was withdrawn for adjustments to the beech volume and cutting specs related to beech.

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-178 Contract Hardwood (41-015-20) / T47N, R17W, SEC. 20, S1/2NW,SW,NWSE,S1/2SE.

T47N, R17W, SEC. 21, SWSW.

T47N, R17W, SEC. 28, W1/2NW,NWSW.

T47N, R17W, SEC. 29, E1/2NW,NE,SW,N1/2SE,SWSE.

T47N, R17W, SEC. 30, SWNE,N1/2SE,SESE.

T47N, R17W, SEC. 31, NENE.

T47N, R17W, SEC. 32, NWNW,NWNE.

Alger County, Advertised Price \$476,805.50, 790.2 Acres, Hardwood, Sugar Maple.

SALE NOTE: Road work is required on this sale. See Sale Spec. 4.1.8 for more information.

Harvesting is not permitted during the period of April 15 to July 15 due to bark slippage.

No harvesting operations are to take place within drainage areas in Payment Units 8 and 9. These areas are indicated on the Timber Sale Map.

TIMBER SALE INFORMATION

C-178 Contract Hardwood (41-015-20)

T47N, R17W, SEC. 20; T47N, R17W, SEC. 21; T47N, R17W, SEC. 28; T47N, R17W, SEC. 29; T47N, R17W, SEC. 30; T47N, R17W, SEC. 31; T47N, R17W, SEC. 32.

SALE NOTE: Road work is required on this sale. See Sale Spec. 4.1.8 for more information.

Harvesting is not permitted during the period of April 15 to July 15 due to bark slippage.

No harvesting operations are to take place within drainage areas in Payment Units 8 and 9. These areas are indicated on the Timber Sale Map.

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>
Sawtimber		
Basswood	187.0 MBF	\$ 85.00 / MBF
Paper Birch	1.1 MBF	\$ 54.00 / MBF
Red Maple	63.9 MBF	\$ 96.00 / MBF
Sugar Maple	1,445.6 MBF	\$ 259.00 / MBF
Pulpwood		
Balsam Fir	85 Cords	\$ 13.15 / Cord
Basswood	283 Cords	\$ 5.60 / Cord
Black Spruce	54 Cords	\$ 10.75 / Cord
Mixed Hardwood	4,357 Cords	\$ 16.95 / Cord
Paper Birch	26 Cords	\$ 14.50 / Cord
Quaking Aspen	121 Cords	\$ 23.10 / 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 \$23,840.28 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	5.7%
02	4.2%
03	1.4%
04	13.2%
05	14.4%
06	15.4%
07	18.7%
08	9.4%
09	11.5%
10	1.4%
11	4.0%
12	0.2%
13	0.5%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2024.

SALE STATISTICS

SALE VOLUMES

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
657,725	8,326	0.00%	8,326	8,326

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
1	91,482	1,158	0.00%	1,158	1,158
2	142,895	1,809	0.00%	1,809	1,809
3	18,360	232	0.00%	232	232
4	307,405	3,891	0.00%	3,891	3,891
5	343,524	4,348	0.00%	4,348	4,348
6	196,110	2,482	0.00%	2,482	2,482
7	387,471	4,905	0.00%	4,905	4,905
8	52,290	662	0.00%	662	662
9	210,338	2,663	0.00%	2,663	2,663
10	22,191	281	0.00%	281	281
11	32,572	412	0.00%	412	412
12	5,506	70	69.69%	21	118
13	9,662	122	49.71%	62	183
TOTAL:	1,819,805	23,036		22,926	23,145

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
1	80.4	1	80.0
		2	0.3
		5	0.1
2	70.7	1	0.2
		2	70.2
		3	0.1
		4	0.2
3	37.3	3	37.1
		6	0.2
4	93.5	4	93.0
		5	0.2
		6	0.1
		7	0.2
		4	0.4
5	91.8	5	90.2
		8	0.4
		9	0.8
		6	81.8
6	82.0	7	0.2
		5	0.1
7	83.9	7	83.5
		8	0.3
		8	73.9
		5	0.4
8	73.9	8	0.8
		9	104.2
		10	28.3
9	105.4	11	30.2
		12	3.0
10	28.3	13	9.8
11	30.2		
12	3.0		
13	9.8		
TOTAL:	790.2		790.2

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	2.8	MBF	80.2	\$26,974.30
	Paper Birch		1.1	MBF		
	Red Maple		11.2	MBF		
	Sugar Maple		87.1	MBF		
	Basswood	Pulpwood	2	Cords		
	Mixed Hardwood		178	Cords		
	<i>Beech</i>		28	<i>Cords</i>		
	<i>Red Maple</i>		41	<i>Cords</i>		
	<i>Sugar Maple</i>		109	<i>Cords</i>		
	Paper Birch		1	Cords		
2	Basswood	Sawtimber	11.4	MBF	70.5	\$20,184.05
	Red Maple		5.7	MBF		
	Sugar Maple		52.9	MBF		
	Balsam Fir	Pulpwood	27	Cords		
	Basswood		15	Cords		
	Mixed Hardwood		256	Cords		
	<i>Beech</i>		57	<i>Cords</i>		
	<i>Red Maple</i>		70	<i>Cords</i>		
	<i>Sugar Maple</i>		129	<i>Cords</i>		
	Paper Birch		13	Cords		
3	Sugar Maple	Sawtimber	20.4	MBF	37.2	\$6,554.85
	Mixed Hardwood	Pulpwood	75	Cords		
	<i>Beech</i>		41	<i>Cords</i>		
	<i>Sugar Maple</i>		34	<i>Cords</i>		
4	Basswood	Sawtimber	0.7	MBF	93.6	\$63,129.85
	Red Maple		7.4	MBF		
	Sugar Maple		206.8	MBF		
	Balsam Fir	Pulpwood	17	Cords		
	Basswood		30	Cords		
	Mixed Hardwood		496	Cords		
	<i>Beech</i>		84	<i>Cords</i>		
	<i>Red Maple</i>		6	<i>Cords</i>		
	<i>Sugar Maple</i>		406	<i>Cords</i>		
5	Basswood	Sawtimber	17.1	MBF	91.0	\$68,680.55
	Red Maple		1.8	MBF		
	Sugar Maple		220.9	MBF		
	Basswood	Pulpwood	23	Cords		
	Mixed Hardwood		573	Cords		
	<i>Beech</i>		6	<i>Cords</i>		
	<i>Red Maple</i>		1	<i>Cords</i>		
	<i>Sugar Maple</i>		537	<i>Cords</i>		
	<i>Yellow Birch</i>		29	<i>Cords</i>		
6	Basswood	Sawtimber	77.3	MBF	82.1	\$73,562.45
	Red Maple		11.5	MBF		
	Sugar Maple		216.1	MBF		
	Basswood	Pulpwood	67	Cords		
	Mixed Hardwood		563	Cords		
	<i>Beech</i>		21	<i>Cords</i>		
	<i>Red Maple</i>		19	<i>Cords</i>		
	<i>Sugar Maple</i>		523	<i>Cords</i>		
7	Basswood	Sawtimber	60.8	MBF	83.9	\$88,330.40
	Red Maple		20.8	MBF		
	Sugar Maple		253.3	MBF		
	Balsam Fir	Pulpwood	12	Cords		
	Basswood		73	Cords		

DESCRIPTION OF TIMBER BY PU (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
7 con't	Mixed Hardwood	Pulpwood	856	Cords		
	<i>Beech</i>		78	<i>Cords</i>		
	<i>Black Cherry</i>		5	<i>Cords</i>		
	<i>Red Maple</i>		52	<i>Cords</i>		
	<i>Sugar Maple</i>		721	<i>Cords</i>		
	Quaking Aspen		21	Cords		
8	Basswood	Sawtimber	11.7	MBF	75.4	\$45,022.40
	Red Maple		0.1	MBF		
	Sugar Maple		146.9	MBF		
	Balsam Fir	Pulpwood	12	Cords		
	Basswood		9	Cords		
	Mixed Hardwood		340	Cords		
	<i>Beech</i>		39	<i>Cords</i>		
	<i>Red Maple</i>		17	<i>Cords</i>		
	<i>Sugar Maple</i>		284	<i>Cords</i>		
9	Basswood	Sawtimber	4.1	MBF	105.0	\$55,059.40
	Red Maple		3.1	MBF		
	Sugar Maple		176.3	MBF		
	Balsam Fir	Pulpwood	3	Cords		
	Basswood		3	Cords		
	Mixed Hardwood		513	Cords		
	<i>Beech</i>		76	<i>Cords</i>		
	<i>Red Maple</i>		25	<i>Cords</i>		
	<i>Sugar Maple</i>		401	<i>Cords</i>		
	<i>Yellow Birch</i>		11	<i>Cords</i>		
10	Basswood	Sawtimber	0.1	MBF	28.3	\$6,714.10
	Red Maple		0.6	MBF		
	Sugar Maple		9.1	MBF		
	Basswood	Pulpwood	22	Cords		
	Mixed Hardwood		220	Cords		
	<i>Beech</i>		15	<i>Cords</i>		
	<i>Black Cherry</i>		35	<i>Cords</i>		
	<i>Red Maple</i>		6	<i>Cords</i>		
	<i>Sugar Maple</i>		164	<i>Cords</i>		
	Quaking Aspen		19	Cords		
11	Basswood	Sawtimber	1.0	MBF	30.2	\$19,288.75
	Red Maple		1.7	MBF		
	Sugar Maple		55.8	MBF		
	Basswood	Pulpwood	39	Cords		
	Mixed Hardwood		251	Cords		
	<i>Beech</i>		5	<i>Cords</i>		
	<i>Black Cherry</i>		14	<i>Cords</i>		
	<i>Red Maple</i>		4	<i>Cords</i>		
	<i>Sugar Maple</i>		228	<i>Cords</i>		
	Quaking Aspen		5	Cords		
12	Balsam Fir	Pulpwood	3	Cords	3.0	\$977.75
	Black Spruce		38	Cords		
	Mixed Hardwood		6	Cords		
	<i>Black Cherry</i>		2	<i>Cords</i>		
	<i>Sugar Maple</i>		4	<i>Cords</i>		
	Paper Birch		12	Cords		
	Quaking Aspen		11	Cords		
13	Balsam Fir	Pulpwood	11	Cords	9.8	\$2,326.65
	Black Spruce		16	Cords		
	Mixed Hardwood		30	Cords		

DESCRIPTION OF TIMBER BY PU (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
13 con't	<i>Black Cherry</i>	<i>Pulpwood</i>	9	<i>Cords</i>		
	<i>Red Maple</i>		21	<i>Cords</i>		
	Quaking Aspen		65	Cords		
TOTAL:			1,697.6	MBF		
TOTAL:			4,926	Cords		

Sale Specific Conditions & Requirements

Sale Name: C-178 Contract Hardwood

Sale Number: 41-015-20 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 and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 12 and 13, cut all trees that are two (2) inches or more at DBH, except do not cut black cherry in Payment Unit 12. 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) 1-11, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In Units 4-11 all merchantable beech is designated for cutting.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) exceeding \$20,000 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 Amendment.

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.

4.1.6 - Road construction (1/09)

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

4.1.7 - Road closure (10/11)

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

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

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

The following road work is required: 500 cubic yards of breaker run gravel must be purchased hauled and spread between the sale area and H-58 on the Noble Lake Road. Exact locations of the work will be determined at the Pre-Sale meeting. All work is at the Purchaser's expense and must be complete before hauling begins unless approved by the Unit Manager.

4.1.10 - Oversight (12/08)

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

4.2 - Maintenance

4.2.4 - Grading (10/16)

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

5 - Operations

5.2 - Conduct of Operations

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

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

5.2.3 - Operating Restrictions

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1-11, 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.

5.2.32 - Decking/landing restoration (9/13)

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

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

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

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

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

5.4.6 - Wet area protection (5/10)

No harvesting operations, including skidding and felling, are to take place within drainage areas in Payment Units within Payment Units 8 and 9. These areas are indicated on the Timber Sale Map. Care must be taken by the Purchaser to identify and avoid operating in these areas of the timber sale.

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

6.2.1 - Road posting (9/09)

The Purchaser is responsible for posting and maintaining caution signs on H-58 prior to beginning operations. The road must be posted 350 feet from the H-58 and Noble Lake Road intersection 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.

TIMBER SALE MAP

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

Forest Management Shingleton	County Alger		Mapped By	Molin	Date 9/29/20	Page 1	of 1
			Cruised By	Superior Forestry			
Compartiment Number 178	Township 42N	Range 19W	Section(s) and Subdivision(s) 20- S1/2NW,SW,NWSE,S1/2SE 21- SWSW 28- W1/2NW,NWSW 29- E1/2NW,NE,SW,N1/2SE,SWSE 30- SWNE, N1/2SE,SESE 31- NENE 32- NWNW,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 = Mash				

