



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6848

SCHEDULED SALE DATE AND TIME: **2:00 p.m. (local time) on March 3, 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:

Go Pack Go (41-013-20) / T49N, R15W, SEC. 30, SESW.

T49N, R15W, SEC. 31, NW, S1/2NE, SW, N1/2SE, SWSE.

T49N, R15W, SEC. 32, SWNW, NWSW.

Alger County, Advertised Price \$135,364.40, 313.3 Acres, Red Pine, White Pine.

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

The county must be contacted prior to crossing or harvesting in the county road R-O-W. This applies to H-58.

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

H-58 is a snowmobile trail and is shown on the Timber Sale Map. See Sale Spec. 5.2.41 for additional information.

The Purchaser shall not cut live or dead trees or operate equipment within historical sites. Historical sites are marked with an "H" on the Timber Sale Map. This is outside of the red line in Payment Unit 2. See Sale Spec. 5.7.1 for requirements.

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

Go Pack Go (41-013-20)

T49N, R15W, SEC. 30; T49N, R15W, SEC. 31; T49N, R15W, SEC. 32.
Alger County (Advertised Price \$135,364.40)

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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		
Hemlock	17 Cords	\$ 13.75 / Cord
Jack Pine	19 Cords	\$ 27.30 / Cord
Paper Birch	26 Cords	\$ 13.55 / Cord
Quaking Aspen	4 Cords	\$ 22.15 / Cord
Red Maple	35 Cords	\$ 17.15 / Cord
Red Pine	2,406 Cords	\$ 47.15 / Cord
White Pine	1,191 Cords	\$ 16.90 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 14.07 percent. There are an estimated 3,699 cords on this timber sale, plus or minus 520 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 \$6,768.22 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 12/31/2024.

SALE STATISTICS

SALE VOLUMES

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
292,244	3,699	14.07%	3,179	4,220

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	9,117	115	39.10%	70	161
2	2,307	29	91.71%	2	56
3	3,563	45	55.51%	20	70
4	18,289	232	22.58%	179	284
5	25,296	320	36.40%	204	437
6	9,235	117	52.43%	56	178
7	22,333	283	35.86%	181	384
8	10,847	137	26.01%	102	173
9	62,197	787	12.92%	686	889
10	11,384	144	46.00%	78	210
11	10,159	129	38.83%	79	179
12	56,390	714	20.46%	568	860
13	51,145	647	26.26%	477	817
TOTAL:	292,261	3,700		2,701	4,698

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	21.2	1	21.2
2	11.2	2	11.2
3	5.6	3	5.6
4	22.2	4	22.2
5	84.7	5	84.7
6	17.7	6	17.7
7	30.3	7	30.3
8	19.1	8	19.1
9	20.0	9	20.0
10	20.8	10	20.8
11	10.9	11	10.9
12	24.3	12	24.3
13	25.3	13	25.3
TOTAL:	313.3		313.3

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Pulpwood	1	Cords	21.2	\$5,288.15
	Red Pine		110	Cords		
	White Pine		5	Cords		
2	Red Pine	Pulpwood	6	Cords	11.2	\$688.50
	White Pine		24	Cords		
3	Red Pine	Pulpwood	44	Cords	5.6	\$2,091.50
	White Pine		1	Cords		
4	Paper Birch	Pulpwood	1	Cords	22.2	\$9,708.55
	Red Pine		192	Cords		
	White Pine		38	Cords		
5	Jack Pine	Pulpwood	18	Cords	84.7	\$12,331.70
	Quaking Aspen		4	Cords		
	Red Pine		222	Cords		
	White Pine		76	Cords		
6	Red Pine	Pulpwood	82	Cords	17.7	\$4,457.80
	White Pine		35	Cords		
7	Red Pine	Pulpwood	274	Cords	30.3	\$13,054.30
	White Pine		8	Cords		
8	Red Pine	Pulpwood	128	Cords	19.1	\$6,187.30
	White Pine		9	Cords		
9	Paper Birch	Pulpwood	8	Cords	20.0	\$25,313.00
	Red Pine		398	Cords		
	White Pine		381	Cords		
10	Red Pine	Pulpwood	104	Cords	20.8	\$5,579.60
	White Pine		40	Cords		
11	Jack Pine	Pulpwood	1	Cords	10.9	\$5,870.75
	Paper Birch		2	Cords		
	Red Pine		123	Cords		
	White Pine		1	Cords		
12	Red Pine	Pulpwood	472	Cords	24.3	\$26,344.60
	White Pine		242	Cords		
13	Hemlock	Pulpwood	17	Cords	25.3	\$18,448.65
	Paper Birch		15	Cords		
	Red Maple		34	Cords		
	Red Pine		251	Cords		
	White Pine		331	Cords		
TOTAL:			3,698	Cords		

Sale Specific Conditions & Requirements

Sale Name: Go Pack Go

Sale Number: 41-013-20 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by red and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. 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) 9, 12 & 13, cut all trees that are two (2) inches or more at DBH. In addition, cut all snags.

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

Within Payment Unit(s) 2 and 5, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut oak and hemlock.

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

Within Payment Unit(s) 1, 3, 4, 6-8, 10, and 11, 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 Units 1, 3, 4, and 6-13 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 future planting operations.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) with a value over \$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.

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)

Some 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. These roads must be rendered impassable to trucks and cars. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Contact the sale administrator for specific details of design and placement.

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

The following road work is required: 200 cubic yards of breaker run gravel must be purchased, hauled and spread between the sale area and H-58. All work is at the Purchaser's expense and no deductions will be given. Exact locations will be determined at the Pre-Sale meeting. All work must be completed before trucking can begin.

4.1.10 - Oversight (12/08)

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

4.2 - Maintenance

4.2.4 - Grading (10/16)

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

4.3 - Public Right-of-Way

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

The county must be contacted prior to crossing or harvesting in the county road R-O-W. This applies to H-58.

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.11 - Slash for reforestation (5/07)

To facilitate reforestation, Payment Unit(s) 9, 12, and 13 shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. Stumps shall be cut low to the ground. Processing sites shall not be left with a compacted layer of slash; tops from these sites shall be hauled back into the cut area and scattered. Harvesting operations must allow for subsequent planting operations, as determined by the sale administrator.

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. This specification does not apply to Payment Units 9, 12 and 13.

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.

5.2.40 - 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.

5.2.41 - Snowmobile trail protection (9/11)

H-58 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. 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.

5.7 - 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 marked with an "H" on the map. This is outside of the redline in Payment Unit 2. The Purchaser shall protect historical sites from damage by the Purchaser's operations. If Purchaser's operations have cut or damaged historical sites through carelessness, the Purchaser shall pay \$1000 as fixed, agreed and liquidated damages for each acre or part thereof cut or damaged.

5.8 - Protection of Endangered Species

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

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

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

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on H-58 prior to beginning operations. The road 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.

6.2.3 - Recreational trail posting (2/10)

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.

7 - Other Conditions

7.3 - Contract Modifications

7.3.3 - Modification for reforestation (8/05)

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



TIMBER SALE MAP

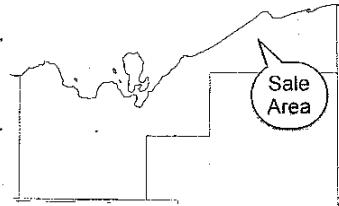
This information provided by authority of Part 5, 1994 PA 451, as amended.

Sale Number	13	Year	20
Date	9-27-20	Page	1 of 1
Forest Management Unit	Shingleton	County	Alger
Compartiment Number	134	Township	49N
		Range	15W
		Section(s) and Subdivision(s)	32: SWNW, NWSE 30: SESEW 31: NW, SEANE, SW, NNE

Cover Type				Density	
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium SWSE
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				

Go Pack Go

313.3 Acres



Legend

- Red paint
- Yellow paint
- woods road
- ①, ② Payment Units
- Survey corners
- Fox River Pathway
- H Historical Area

Unit Acres

- 1 - 21.2
- 2 - 11.2
- 3 - 5.6
- 4 - 22.2
- 5 - 84.7
- 6 - 17.7
- 7 - 30.3
- 8 - 19.1
- 9 - 20.0
- 10 - 20.8
- 11 - 10.9
- 12 - 24.3
- 13 - 25.3

