



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #7039

SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on April 5, 2022.

LOCATION: ATLANTA MGMT UNIT, 13501 M 33, ATLANTA, MI 49709.

CONTACT NAME: Cody Stevens

PHONE NUMBER: (989) 785-4251

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, ATLANTA MANAGEMENT UNIT, for certain timber on the following described lands:

Mud Lake Aspen (54-031-21) / T37N, R01E, SEC. 5 , S1/2SW.

T37N, R01E, SEC. 6 , N1/2SW, SESW, NWSE, S1/2SE.

Cheboygan County, Advertised Price \$139,663.45, 157.9 Acres, Aspen, Hardwood.

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

Good access off of county roads, no timing restrictions on harvesting.

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

Mud Lake Aspen (54-031-21)

T37N, R01E, SEC. 5; T37N, R01E, SEC. 6.

Cheboygan County (Advertised Price \$139,663.45)

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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 Inventory Manager computer program and the new Michigan taper model. 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		
B. T. Aspen	150.6 MBF	\$ 119.00 / MBF
Quaking Aspen	39.5 MBF	\$ 119.00 / MBF
Red Oak	5.5 MBF	\$ 198.00 / MBF
Pulpwood		
Balsam Poplar	29 Cords	\$ 30.25 / Cord
Basswood	113 Cords	\$ 9.60 / Cord
Mixed Aspen	3,269 Cords	\$ 30.25 / Cord
Mixed Hardwood	545 Cords	\$ 25.45 / Cord
Paper Birch	25 Cords	\$ 13.20 / Cord
Red Oak	21 Cords	\$ 43.00 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 7.27 percent. There are an estimated 4,473 cords on this timber sale, plus or minus 325 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 \$6,983.17 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	22.2%
02	18.4%
03	19.7%
04	17.1%
05	22.6%

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

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
353,383	4,473	7.27%	4,148	4,798

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
13	207,452	2,626	7.87%	2,419	2,833
17	139,756	1,769	13.88%	1,524	2,015
TOTAL:	347,208	4,395		3,943	4,847

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
13	95.5	1	35.2
		2	29.1
		3	31.2
17	62.4	4	26.8
		5	35.6
TOTAL:	157.9		157.9

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	24.2	MBF	35.2	\$31,000.85
	Quaking Aspen		11.3	MBF		
	Red Oak		2.0	MBF		
	Balsam Poplar	Pulpwood	6	Cords		
	<i>Balsam Poplar</i>	<i>Sawtimber</i>	<i>0.9</i>	<i>MBF</i>		
	<i>Balsam Poplar</i>	<i>Pulpwood</i>	<i>4</i>	<i>Cords</i>		
	Mixed Aspen		767	Cords		
	<i>B. T. Aspen</i>		<i>652</i>	<i>Cords</i>		
	<i>Quaking Aspen</i>		<i>115</i>	<i>Cords</i>		
	Mixed Hardwood		114	Cords		
	<i>Beech</i>		<i>7</i>	<i>Cords</i>		
	<i>Red Maple</i>		<i>74</i>	<i>Cords</i>		
	<i>Sugar Maple</i>		<i>33</i>	<i>Cords</i>		
	Paper Birch		4	Cords		
	Red Oak		1	Cords		
2	B. T. Aspen	Sawtimber	20.0	MBF	29.1	\$25,665.30
	Quaking Aspen		9.4	MBF		
	Red Oak		1.7	MBF		
	Balsam Poplar	Pulpwood	4	Cords		
	<i>Balsam Poplar</i>	<i>Sawtimber</i>	<i>0.7</i>	<i>MBF</i>		
	<i>Balsam Poplar</i>	<i>Pulpwood</i>	<i>3</i>	<i>Cords</i>		
	Mixed Aspen		635	Cords		
	<i>B. T. Aspen</i>		<i>540</i>	<i>Cords</i>		
	<i>Quaking Aspen</i>		<i>95</i>	<i>Cords</i>		
	Mixed Hardwood		95	Cords		
	<i>Beech</i>		<i>6</i>	<i>Cords</i>		
	<i>Red Maple</i>		<i>62</i>	<i>Cords</i>		
	<i>Sugar Maple</i>		<i>27</i>	<i>Cords</i>		
	Paper Birch		3	Cords		
	Red Oak		1	Cords		
3	B. T. Aspen	Sawtimber	21.4	MBF	31.2	\$27,522.65
	Quaking Aspen		10.1	MBF		
	Red Oak		1.8	MBF		
	Balsam Poplar	Pulpwood	5	Cords		
	<i>Balsam Poplar</i>	<i>Sawtimber</i>	<i>0.8</i>	<i>MBF</i>		
	<i>Balsam Poplar</i>	<i>Pulpwood</i>	<i>3</i>	<i>Cords</i>		
	Mixed Aspen		681	Cords		
	<i>B. T. Aspen</i>		<i>579</i>	<i>Cords</i>		
	<i>Quaking Aspen</i>		<i>102</i>	<i>Cords</i>		
	Mixed Hardwood		101	Cords		
	<i>Beech</i>		<i>6</i>	<i>Cords</i>		
	<i>Red Maple</i>		<i>66</i>	<i>Cords</i>		
	<i>Sugar Maple</i>		<i>29</i>	<i>Cords</i>		
	Paper Birch		4	Cords		
	Red Oak		1	Cords		
4	B. T. Aspen	Sawtimber	36.5	MBF	26.8	\$23,856.85
	Quaking Aspen		3.7	MBF		
	Balsam Poplar	Pulpwood	6	Cords		
	<i>Balsam Poplar</i>	<i>Sawtimber</i>	<i>0.9</i>	<i>MBF</i>		
	<i>Balsam Poplar</i>	<i>Pulpwood</i>	<i>4</i>	<i>Cords</i>		
	Basswood		49	Cords		
	Mixed Aspen		510	Cords		
	<i>B. T. Aspen</i>		<i>390</i>	<i>Cords</i>		
	<i>Quaking Aspen</i>		<i>120</i>	<i>Cords</i>		
	Mixed Hardwood		101	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
4 con't	<i>Black Cherry</i>	<i>Pulpwood</i>	6	<i>Cords</i>		
	<i>Red Maple</i>		25	<i>Cords</i>		
	<i>Sugar Maple</i>		70	<i>Cords</i>		
	Paper Birch		6	Cords		
	Red Oak		8	Cords		
5	B. T. Aspen	Sawtimber	48.5	MBF	35.6	\$31,648.05
	Quaking Aspen		5.0	MBF		
	Balsam Poplar	Pulpwood	9	Cords		
	<i>Balsam Poplar</i>	<i>Sawtimber</i>	1.3	<i>MBF</i>		
	<i>Balsam Poplar</i>	<i>Pulpwood</i>	6	<i>Cords</i>		
	Basswood		64	Cords		
	Mixed Aspen		676	Cords		
	<i>B. T. Aspen</i>		518	<i>Cords</i>		
	<i>Quaking Aspen</i>		158	<i>Cords</i>		
	Mixed Hardwood		134	Cords		
	<i>Black Cherry</i>		7	<i>Cords</i>		
	<i>Red Maple</i>		34	<i>Cords</i>		
	<i>Sugar Maple</i>		93	<i>Cords</i>		
	Paper Birch		8	Cords		
	Red Oak		10	Cords		
TOTAL:			195.6	MBF		
TOTAL:			4,003	Cords		

Sale Specific Conditions & Requirements

Sale Name: Mud Lake Aspen

Sale Number: 54-031-21 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. Retention patches are marked with red 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. 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) 1-5, cut all trees that are two (2) inches or more at DBH, except do not cut conifers.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 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. There will be only one division per Payment Unit.

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. No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged 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)

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.

4.1.12 - No new roads (1/12)

No new roads will be permitted in any Payment Unit. All operations are limited to existing roads. Skid trails only will be allowed.

4.2 - Maintenance

4.2.5 - Two wheel drive condition (2/04)

All existing trail roads on and adjacent to the sale area must be passable by two-wheel drive traffic for the duration of the sale.

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 24 inches in height.

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

5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in any Payment Unit must be completed before significant sprouting occurs in that Payment Unit to minimize damage to the new regeneration. Any post-harvest operations, such as chipping, must be completed before sprouting of regeneration occurs. If it is anticipated that chipping will be delayed, then tops shall be carried to one central location or left unchipped. The Unit Manager or his/her representative may cease such operations if sprouting occurs before the operation is complete.

5.2.4 - Dead and Down Creation

5.2.4.4 - Dead and down creation, grouse (6/18)

To encourage grouse and other wildlife, in Payment Unit(s) 1, leave one, 12" diameter or larger log-length (8 foot minimum) piece on the ground for every 2 acres. These trees will be evenly scattered throughout the Payment Unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles. This can be an unmerchantable piece or a full tree. Each log must be clearly identified.

5.2.29 - Shrub protection (1/20)

Do not cut or damage hawthorn, witch-hazel, dogwood, or junberry. These woody-shrub plants are highly beneficial to various wildlife species.

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.

5.2.39 - ORV trail/route protection (4/18)

The ORV trail route is shown on the Timber Sale Map. Do not damage posts with yellow ORV markers. Trees with yellow ORV markers shall be cut off above the markers and at least 5 feet above ground. All stumps within 5 feet of the trail must be cut flush with the ground. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the ORV trail or route as the centerline. Do not run equipment down the ORV trail or route. Skidding across the trail or route may only occur in locations approved by the sale administrator.

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

5.8.5 - Protection of raptor nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an on-site evaluation and recommendation can be made, if necessary.

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 Elliot Creek Road and/or Rail Road Grade Road 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 (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the ORV Trail 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 525, 1994 PA 451, as amended.

Forest Management Unit Atlanta		County Cheboygan	Mapped By Crew	Date 09/23/2021	Page 1	of 1
			Cruised By St. Pierre			
Township 37N	Range 01E	Section(s) and Subdivision(s) 5 - S1/2SW; 6 - N1/2SW, SE/SW, NW/SE, S1/2SE		Scale 1:15,840		

A = Aspen
B = Paper Birch
C = Cedar
D = Treed Bog
E = Swamp Hdwoods
F = Spruce Fir
G = Grass

H = Hemlock
J = Jack Pine
L = Lowland Brush
LM = Lowland Mixed
M = Mpl, Bch, Brch
MC = Mixed Conifer
MD = Mixed Deciduous

N = Marsh
O = Oak
P = Lowland Poplar
Q = Mixed Swamp Conifer
R = Red Pine
S = Black Spruce
T = Tamarack

U = Upland Brush
UM = Upland Mixed
V = Bog or Marsh
W = White Pine
X = Non Stocked
Z = Water

0 = Non Stocked
1 = Seedling Sapling Poor
2 = Seedling Sapling Medium
3 = Seedling Sapling Well
4 = Pole Timber Poor

5 = Pole Timber Medium
6 = Pole Timber Well
7 = Saw Timber Poor
8 = Saw Timber Medium
9 = Saw Timber Well

PU	Acres	PU	Acres
1	35.2	4	26.8
2	29.1	5	35.6
3	31.2		

Mud Lake Aspen

Compartment 168
157.9 Acres

