



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #7041

SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on April 19, 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:

Hossler Hussle Mix (54-001-21) / T30N, R02E, SEC. 20, NESE.

T30N, R02E, SEC. 29, SENW,SENE,SW,N1/2SE,SESE.

T30N, R02E, SEC. 30, E1/2SE.

Montmorency County, Advertised Price \$164,262.05, 182.0 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.

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

Hossler Hussle Mix (54-001-21)

T30N, R02E, SEC. 20; T30N, R02E, SEC. 29; T30N, R02E, SEC. 30.
Montmorency County (Advertised Price \$164,262.05)

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

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.

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		
Mixed Aspen	85.5 MBF	\$ 106.00 / MBF
Paper Birch	4.5 MBF	\$ 29.00 / MBF
Red Maple	25.8 MBF	\$ 47.00 / MBF
Red Oak	263.5 MBF	\$ 176.00 / MBF
Red Pine	133.0 MBF	\$ 109.00 / MBF
Sugar Maple	1.9 MBF	\$ 396.00 / MBF
White Oak	74.6 MBF	\$ 64.00 / MBF
White Pine	8.0 MBF	\$ 34.00 / MBF
Pulpwood		
Balsam Fir	396 Cords	\$ 16.65 / Cord
Jack Pine	168 Cords	\$ 11.00 / Cord
Mixed Aspen	1,467 Cords	\$ 25.70 / Cord
Mixed Hardwood	606 Cords	\$ 21.75 / Cord
Mixed Oak	644 Cords	\$ 38.75 / Cord
Mixed Spruce	17 Cords	\$ 7.75 / Cord
Red Pine	76 Cords	\$ 28.85 / Cord
Tamarack	6 Cords	\$ 5.90 / Cord
White Pine	44 Cords	\$ 12.40 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 4.26 percent. There are an estimated 5,012 cords on this timber sale, plus or minus 214 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 \$8,213.10 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	3.0%
02	8.9%
03	9.4%
04	7.0%
05	11.9%
06	12.5%
07	8.4%
08	7.8%
09	15.7%
10	15.4%

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
395,924	5,012	4.26%	4,798	5,225

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
23	4,972	63	32.99%	42	84
30	14,906	189	17.98%	155	223
33	35,906	455	17.77%	374	535
39	74,823	947	7.47%	876	1,018
44	80,686	1,021	9.96%	920	1,123
49	130,978	1,658	7.09%	1,540	1,775
59	22,378	283	14.12%	243	323
TOTAL:	364,650	4,616		4,150	5,081

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
23	3.8	1	3.8
30	9.5	1	9.5
33	16.9	6	2.4
		8	14.5
39	28.9	9	14.6
		10	14.3
44	51.9	5	26.6
		6	25.3
49	62.2	2	21.9
		3	23.2
		4	17.1
59	8.8	7	8.8
TOTAL:	182.0		182.0

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Pine	Sawtimber	7.5	MBF	13.3	\$4,882.50
	White Pine		8.0	MBF		
	Balsam Fir	Pulpwood	9	Cords		
	Jack Pine		80	Cords		
	Mixed Aspen		53	Cords		
	<i>B. T. Aspen</i>		28	<i>Cords</i>		
	<i>Quaking Aspen</i>		25	<i>Cords</i>		
	Mixed Hardwood		13	Cords		
	<i>Paper Birch</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		12	<i>Cords</i>		
	Mixed Spruce		5	Cords		
	<i>Black Spruce</i>		5	<i>Cords</i>		
	Red Pine		19	Cords		
	Tamarack		6	Cords		
	White Pine		40	Cords		
2	Mixed Aspen	Sawtimber	7.1	MBF	21.9	\$14,628.70
	<i>B. T. Aspen</i>		1.4	<i>MBF</i>		
	<i>Quaking Aspen</i>		5.7	<i>MBF</i>		
	Paper Birch		1.6	MBF		
	Red Maple		4.1	MBF		
	Red Oak		6.2	MBF		
	Red Pine		2.4	MBF		
	White Oak		5.1	MBF		
	Balsam Fir	Pulpwood	133	Cords		
	Jack Pine		21	Cords		
	Mixed Aspen		253	Cords		
	<i>B. T. Aspen</i>		74	<i>Cords</i>		
	<i>Quaking Aspen</i>		179	<i>Cords</i>		
	Mixed Hardwood		96	Cords		
	<i>Paper Birch</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		94	<i>Cords</i>		
	Mixed Oak		23	Cords		
	<i>Red Oak</i>		12	<i>Cords</i>		
	<i>White Oak</i>		11	<i>Cords</i>		
	Mixed Spruce		4	Cords		
	<i>Black Spruce</i>		3	<i>Cords</i>		
	<i>White Spruce</i>		1	<i>Cords</i>		
3	Mixed Aspen	Sawtimber	7.5	MBF	23.2	\$15,458.55
	<i>B. T. Aspen</i>		1.5	<i>MBF</i>		
	<i>Quaking Aspen</i>		6.0	<i>MBF</i>		
	Paper Birch		1.7	MBF		
	Red Maple		4.3	MBF		
	Red Oak		6.5	MBF		
	Red Pine		2.6	MBF		
	White Oak		5.4	MBF		
	Balsam Fir	Pulpwood	140	Cords		
	Jack Pine		22	Cords		
	Mixed Aspen		267	Cords		
	<i>B. T. Aspen</i>		78	<i>Cords</i>		
	<i>Quaking Aspen</i>		189	<i>Cords</i>		
	Mixed Hardwood		101	Cords		
	<i>Paper Birch</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		99	<i>Cords</i>		
	Mixed Oak		25	Cords		
	<i>Red Oak</i>		13	<i>Cords</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
3 con't	<i>White Oak</i>	<i>Pulpwood</i>	12	<i>Cords</i>		
	Mixed Spruce		5	<i>Cords</i>		
	<i>Black Spruce</i>		3	<i>Cords</i>		
	<i>White Spruce</i>		2	<i>Cords</i>		
4	Mixed Aspen	Sawtimber	5.5	MBF	17.1	\$11,463.05
	<i>B. T. Aspen</i>		1.1	<i>MBF</i>		
	<i>Quaking Aspen</i>		4.4	<i>MBF</i>		
	Paper Birch		1.2	MBF		
	Red Maple	Pulpwood	3.2	MBF		
	Red Oak		4.8	MBF		
	Red Pine		1.9	MBF		
	White Oak		4.0	MBF		
	Balsam Fir		104	Cords		
	Jack Pine		16	Cords		
	Mixed Aspen		198	Cords		
	<i>B. T. Aspen</i>		58	<i>Cords</i>		
	<i>Quaking Aspen</i>		140	<i>Cords</i>		
	Mixed Hardwood		75	Cords		
	<i>Paper Birch</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		73	<i>Cords</i>		
	Mixed Oak		19	Cords		
	<i>Red Oak</i>		10	<i>Cords</i>		
	<i>White Oak</i>		9	<i>Cords</i>		
	Mixed Spruce		3	Cords		
	<i>Black Spruce</i>		2	<i>Cords</i>		
	<i>White Spruce</i>		1	<i>Cords</i>		
5	Mixed Aspen	Sawtimber	8.0	MBF	26.6	\$19,523.75
	<i>B. T. Aspen</i>		1.0	<i>MBF</i>		
	<i>Quaking Aspen</i>		7.0	<i>MBF</i>		
	Red Maple		5.2	MBF		
	Red Oak	Pulpwood	19.8	MBF		
	Red Pine		38.3	MBF		
	Sugar Maple		1.0	MBF		
	White Oak		12.2	MBF		
	Balsam Fir		5	Cords		
	Jack Pine		15	Cords		
	Mixed Aspen		156	Cords		
	<i>B. T. Aspen</i>		21	<i>Cords</i>		
	<i>Quaking Aspen</i>		135	<i>Cords</i>		
	Mixed Hardwood		87	Cords		
	<i>Red Maple</i>		85	<i>Cords</i>		
	<i>Sugar Maple</i>		2	<i>Cords</i>		
	Mixed Oak		77	Cords		
	<i>Red Oak</i>		32	<i>Cords</i>		
	<i>White Oak</i>		45	<i>Cords</i>		
	Red Pine		16	Cords		
6	Mixed Aspen	Sawtimber	10.8	MBF	27.7	\$20,589.05
	<i>B. T. Aspen</i>		3.8	<i>MBF</i>		
	<i>Quaking Aspen</i>		7.0	<i>MBF</i>		
	Red Maple		5.2	MBF		
	Red Oak	Pulpwood	20.5	MBF		
	Red Pine		37.7	MBF		
	Sugar Maple		0.9	MBF		
	White Oak		11.9	MBF		
	Balsam Fir		5	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
6 con't	Jack Pine	Pulpwood	14	Cords		
	Mixed Aspen		186	Cords		
	<i>B. T. Aspen</i>		50	<i>Cords</i>		
	<i>Quaking Aspen</i>		136	<i>Cords</i>		
	Mixed Hardwood		91	Cords		
	<i>Red Maple</i>		90	<i>Cords</i>		
	<i>Sugar Maple</i>		1	<i>Cords</i>		
	Mixed Oak		75	Cords		
	<i>Red Oak</i>		32	<i>Cords</i>		
	<i>White Oak</i>		43	<i>Cords</i>		
	Red Pine		16	Cords		
7	Mixed Aspen	Sawtimber	5.5	MBF	8.8	\$13,803.45
	<i>B. T. Aspen</i>		5.5	<i>MBF</i>		
	Red Maple		0.8	MBF		
	Red Oak		34.0	MBF		
	Red Pine		20.8	MBF		
	White Oak		7.4	MBF		
	Mixed Aspen	Pulpwood	26	Cords		
	<i>B. T. Aspen</i>		2	<i>Cords</i>		
	<i>Quaking Aspen</i>		24	<i>Cords</i>		
	Mixed Hardwood		39	Cords		
	<i>Red Maple</i>		39	<i>Cords</i>		
	Mixed Oak		64	Cords		
	<i>Red Oak</i>		49	<i>Cords</i>		
	<i>White Oak</i>		15	<i>Cords</i>		
	Red Pine		16	Cords		
8	Mixed Aspen	Sawtimber	19.7	MBF	14.5	\$12,801.20
	<i>B. T. Aspen</i>		17.3	<i>MBF</i>		
	<i>Quaking Aspen</i>		2.4	<i>MBF</i>		
	Red Maple		0.9	MBF		
	Red Oak		9.6	MBF		
	Red Pine		8.0	MBF		
	White Oak	Pulpwood	1.5	MBF		
	Mixed Aspen		229	Cords		
	<i>B. T. Aspen</i>		184	<i>Cords</i>		
	<i>Quaking Aspen</i>		45	<i>Cords</i>		
	Mixed Hardwood		60	Cords		
	<i>Red Maple</i>		60	<i>Cords</i>		
	Mixed Oak		19	Cords		
	<i>Red Oak</i>		13	<i>Cords</i>		
	<i>White Oak</i>		6	<i>Cords</i>		
	Red Pine		3	Cords		
9	Mixed Aspen	Sawtimber	10.8	MBF	14.6	\$25,829.30
	<i>B. T. Aspen</i>		10.8	<i>MBF</i>		
	Red Maple		1.1	MBF		
	Red Oak		81.9	MBF		
	Red Pine		7.0	MBF		
	White Oak		13.7	MBF		
	Mixed Aspen	Pulpwood	50	Cords		
	<i>B. T. Aspen</i>		50	<i>Cords</i>		
	Mixed Hardwood		22	Cords		
	<i>Red Maple</i>		22	<i>Cords</i>		
	Mixed Oak		173	Cords		
	<i>Red Oak</i>		130	<i>Cords</i>		
	<i>White Oak</i>		43	<i>Cords</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
9 con't	Red Pine	Pulpwood	3	Cords		
	White Pine		2	Cords		
10	Mixed Aspen	Sawtimber	10.6	MBF	14.3	\$25,282.50
	B. T. Aspen		10.6	MBF		
	Red Maple		1.0	MBF		
	Red Oak		80.2	MBF		
	Red Pine		6.8	MBF		
	White Oak		13.4	MBF		
	Mixed Aspen	Pulpwood	49	Cords		
	B. T. Aspen		49	Cords		
	Mixed Hardwood		22	Cords		
	Red Maple		22	Cords		
	Mixed Oak		169	Cords		
	Red Oak		127	Cords		
	White Oak		42	Cords		
	Red Pine		3	Cords		
	White Pine		2	Cords		
TOTAL:			596.8	MBF		
TOTAL:			3,424	Cords		

Sale Specific Conditions & Requirements

Sale Name: Hossler Hussle Mix

Sale Number: 54-001-21 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 are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior retention boundaries are marked with red paint; no harvesting activities may occur within these areas. Interior Payment Unit boundaries are marked with yellow paint, except for the north lines of Payment Units 6 and 9 which use Lutz Road as shown on the Timber Sale Map. The painted boundary line trees are not Included Timber and are to be protected. 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) 1-10, cut all trees that are two (2) inches or more at DBH, with the following exceptions:

- Within Payment Units 2-8, do not cut any white pine and purple or green painted trees;
- Within Payment Unit 1 do not cut any purple painted trees;
- Within Payment Units 8-10 do not cut any oak less than 4 inches in diameter.

Note: See spec 5.2.4.4 - 'Dead and down creation, grouse' for instructions on orange marked trees.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

Payment Units 9 and 10 must be chip harvested to facilitate future silvicultural activities. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portion of the trees must be chipped and hauled. Products may be produced as roundwood and forwarded to decking areas in final product length, but the tops must be left intact and skidded to the landing for chipping to minimize the amount of residual slash. If market conditions limit the practicality of chipping the following is required: Tops must be cut into lengths 4 feet or less and trees greater than 4 inches at DBH must be cut to a 2-inch top or smaller. Sub-merchantable trees, and hardwood limbs 4 inches or greater where they attach to the stem, are to be cut/reduced to 4-foot lengths. Tops and slash must also be spread evenly across the sale. This is to speed the breakdown of tops and slash. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter is still applicable (G. C. & R. 2.2).

2.2.3 - Stump heights (4/07)

Stump heights within Payment Units 9 and 10 shall not exceed 6 inches for all trees. This is to facilitate future silvicultural activities. A written waiver of this requirement may be obtained if wet summer weather makes winter logging necessary.

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. Payment Units valued over \$25,000 may be divided. 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.

Within Payment Units 8-10, operations must avoid damaging oak seedlings and saplings (1/4" to 4" DBH) where it is possible. 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 chipped, utilized, or otherwise removed from the sale.

4.1.6 - Road construction (1/09)

Construction 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. Contact the sale administrator for specific details of design and placement.

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

5.1 - 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 5 days in advance to schedule the conference.

5.1.3 - Well heads and natural gas pipelines (11/15)

The Purchaser is responsible for contacting the following party 30 days prior to operating equipment in the vicinity of well heads or natural gas pipelines.

(All Payment Units)

Riverside Energy Michigan

10691 E Carter Rd, Suite 201

Traverse City, MI 49684

Phone: (231) 995-4000 (M-F, 8am-5pm)

5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 5 days prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract specifications.

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

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 5-10, unless changed by written agreement, cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. Operations may be allowed if specific steps are taken to prevent damaging uncut oak during the high risk period. Those steps may include completing all road brushing before April 15th and clearing a tree-length buffer along uncut oak cover before April 15th. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in Payment Units 1-10 must be completed within 60 days of severing/cutting stem(s) to minimize damage to deciduous 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) 2-8, leave on-site all orange painted trees. Orange painted trees are to be cut and pushed over with the root ball attached. If it is impractical to push the trees over, they may be cut or partially cut and pushed over. Whenever possible, the tree stem should remain suspended off the ground.

5.2.31 - Landing locations (9/13)

Landing locations are shown on the Timber Sale Map. Landings must be confined to these designated sites unless otherwise authorized by the Unit Manager or his/her representative.

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 Atlanta to Hunt Creek Motorcycle MCCCT is shown on the Timber Sale Map. Do not cut trees or damage posts with yellow ORV markers. 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.

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.

5.4.2 - Skid trails (2/04)

Skid trails up and down slopes should be avoided. If however this is unavoidable, these trails will be left in a non-erodible condition using water bars, logs, and slash. Placing of slash on these skid trails while logging is ongoing may alleviate need for any further action. At the direction of the sale administrator, seed, fertilizer, and mulch may also be required.

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

6.2.3 - Recreational trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the Atlanta to Hunt Creek Motorcycle MCCCT 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.

Sale Number	Year
54 - 001	21

Forest Management Unit Atlanta Management Unit	County Montmorency	Mapped By Coy	Date 04/26/2021	Page 1	of 1
---	-----------------------	------------------	--------------------	-----------	---------

Township 30N	Range 02E	Section(s) and Subdivision(s) 20-NESE 29-SENE,SENE,SW,N2SE,SESE 30-E2SE	Scale 1:15,840
-----------------	--------------	--	-------------------

Cover Type

A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water
G = Grass	MD = Mixed Deciduous	T = Tamarack	

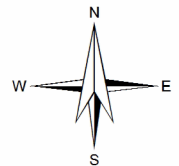
Density

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

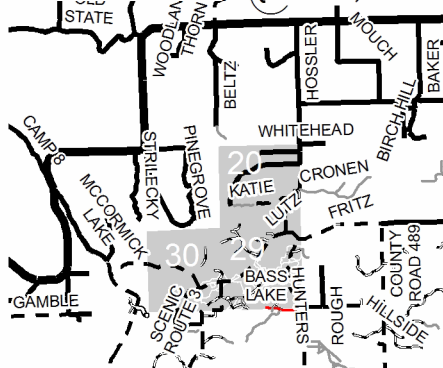
PU	Acres	PU	Acres
1	13.3	6	27.7
2	21.9	7	8.8
3	23.2	8	14.5
4	17.1	9	14.6
5	26.6	10	14.3

Hossler Hussle Mix

Compartment 23
182.0 Acres



Locator Map (1:150,000)



GPS Location
44°57'48"N 84°13'38"W

Landing in Opening

Legend

- Against State (Red)
- Private Line (Blue)
- Payment Unit (Yellow or Road)
- ▨ Retention Area (Red)
- Stand Boundaries
- Lakes
- Payment Unit
- ★ Landing
- ⊛ Gas Well
- Recreational Trail
- == Secondary Road
- == Forest Access Route
- Paved Road
- - Gravel Road
- == County Road - Seasonal
- Private Road
- Temporary Access
- Pipeline
- ⊕ Powerline
- Drain
- Perennial River
- Section Corner



0 0.125 0.25 0.5 0.75 1 Miles