



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7228**

SCHEDULED SALE DATE AND TIME: **10:00 a.m. (local time) on April 18, 2023.**

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:

Werth it Aspen (54-003-22) / T30N, R06E, SEC. 28, NENW,S1/2NW,W1/2NE,N1/2SW,SESW.
Alpena County, Advertised Price \$180,652.20, 110.3 Acres, Aspen, Red Oak.

TIMBER SALE INFORMATION

Werth it Aspen (54-003-22)

T30N, R06E, SEC. 28.

Alpena County (Advertised Price \$180,652.20)

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	241.2 MBF	\$ 108.00 / MBF
Red Maple	26.0 MBF	\$ 90.00 / MBF
Red Oak	198.7 MBF	\$ 198.00 / MBF
Red Pine	12.3 MBF	\$ 167.00 / MBF
Pulpwood		
Balsam Fir	13 Cords	\$ 33.70 / Cord
Mixed Aspen	2,273 Cords	\$ 30.35 / Cord
Mixed Hardwood	325 Cords	\$ 30.55 / Cord
Red Oak	428 Cords	\$ 71.60 / Cord
Red Pine	14 Cords	\$ 62.05 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 15.46 percent. There are an estimated 4,085 cords on this timber sale, plus or minus 632 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 \$9,032.61 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:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	7.7%
02	15.9%
03	22.4%
04	29.0%
05	25.0%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2026.

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
322,728	4,085	15.46%	3,453	4,717

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
15	322,728	4,085	15.46%	3,453	4,717
TOTAL:	322,728	4,085		3,453	4,717

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
15	110.3	1	8.5
		2	17.6
		3	24.7
		4	31.9
		5	27.6
TOTAL:	110.3		110.3

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	18.6	MBF	8.5	\$13,871.50
	<i>B. T. Aspen</i>		16.9	<i>MBF</i>		
	<i>Quaking Aspen</i>		1.7	<i>MBF</i>		
	Red Maple	Pulpwood	2.0	MBF		
	Red Oak		15.3	MBF		
	Red Pine		0.9	MBF		
	Balsam Fir		1	Cords		
	Mixed Aspen		175	Cords		
	<i>B. T. Aspen</i>		161	<i>Cords</i>		
	<i>Quaking Aspen</i>		14	<i>Cords</i>		
	Mixed Hardwood		24	Cords		
	<i>Beech</i>		1	<i>Cords</i>		
	<i>Paper Birch</i>		3	<i>Cords</i>		
	<i>Red Maple</i>		19	<i>Cords</i>		
	<i>Sugar Maple</i>		1	<i>Cords</i>		
	Red Oak		33	Cords		
	Red Pine		1	Cords		
2	Mixed Aspen	Sawtimber	38.5	MBF	17.6	\$28,803.55
	<i>B. T. Aspen</i>		34.9	<i>MBF</i>		
	<i>Quaking Aspen</i>		3.6	<i>MBF</i>		
	Red Maple	Pulpwood	4.1	MBF		
	Red Oak		31.7	MBF		
	Red Pine		2.0	MBF		
	Balsam Fir		2	Cords		
	Mixed Aspen		363	Cords		
	<i>B. T. Aspen</i>		334	<i>Cords</i>		
	<i>Quaking Aspen</i>		29	<i>Cords</i>		
	Mixed Hardwood		52	Cords		
	<i>Beech</i>		2	<i>Cords</i>		
	<i>Paper Birch</i>		7	<i>Cords</i>		
	<i>Red Maple</i>		40	<i>Cords</i>		
	<i>Sugar Maple</i>		3	<i>Cords</i>		
	Red Oak		68	Cords		
	Red Pine		2	Cords		
3	Mixed Aspen	Sawtimber	54.0	MBF	24.7	\$40,471.75
	<i>B. T. Aspen</i>		49.0	<i>MBF</i>		
	<i>Quaking Aspen</i>		5.0	<i>MBF</i>		
	Red Maple	Pulpwood	5.8	MBF		
	Red Oak		44.5	MBF		
	Red Pine		2.8	MBF		
	Balsam Fir		3	Cords		
	Mixed Aspen		509	Cords		
	<i>B. T. Aspen</i>		468	<i>Cords</i>		
	<i>Quaking Aspen</i>		41	<i>Cords</i>		
	Mixed Hardwood		73	Cords		
	<i>Beech</i>		3	<i>Cords</i>		
	<i>Paper Birch</i>		10	<i>Cords</i>		
	<i>Red Maple</i>		56	<i>Cords</i>		
	<i>Sugar Maple</i>		4	<i>Cords</i>		
	Red Oak		96	Cords		
	Red Pine		3	Cords		
4	Mixed Aspen	Sawtimber	69.7	MBF	31.9	\$52,315.05
	<i>B. T. Aspen</i>		63.2	<i>MBF</i>		
	<i>Quaking Aspen</i>		6.5	<i>MBF</i>		
	Red Maple		7.6	MBF		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE			
4 con't	Red Oak	Sawtimber	57.5	MBF					
	Red Pine		3.5	MBF					
	Balsam Fir	Pulpwood	4	Cords					
	Mixed Aspen		658	Cords					
	B. T. Aspen		606	Cords					
	Quaking Aspen		52	Cords					
	Mixed Hardwood		95	Cords					
	Beech		5	Cords					
	Paper Birch		14	Cords					
	Red Maple		71	Cords					
	Sugar Maple		5	Cords					
	Red Oak		124	Cords					
	Red Pine		4	Cords					
5	Mixed Aspen	Sawtimber	60.4	MBF	27.6	\$45,190.35			
	B. T. Aspen		54.8	MBF					
	Quaking Aspen		5.6	MBF					
	Red Maple		6.5	MBF					
	Red Oak		49.7	MBF					
	Red Pine		3.1	MBF					
	Balsam Fir	Pulpwood	3	Cords					
	Mixed Aspen		568	Cords					
	B. T. Aspen		523	Cords					
	Quaking Aspen		45	Cords					
	Mixed Hardwood		81	Cords					
	Beech		4	Cords					
	Paper Birch		11	Cords					
	Red Maple		62	Cords					
	Sugar Maple		4	Cords					
	Red Oak		107	Cords					
	Red Pine		4	Cords					
	TOTAL:			478.2			MBF		
	TOTAL:			3,053			Cords		

Sale Specific Conditions & Requirements

Sale Name: Werth it Aspen

Sale Number: 54-003-22 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. Retention patches are marked with red paint; no harvesting activities may occur within these areas. Interior Payment Unit boundaries are marked with yellow paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. 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 trees painted in green above and below stump height. Green marked trees are special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) exceeding \$25,000 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. There will be only one division per Payment Unit.

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 marked with green paint above and below stump height. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$200 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)

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

4.2.2 - Fill material (4/07)

To maintain roads, fill material may be needed in areas where "holes" exist or may be expected to develop. This fill material should be placed before trucking begins. This fill material shall consist of cobbles, crushed rock or gravel. This fill must not contain clay or organic matter. Areas of road not holding up during sale operations must be fortified with this acceptable fill material. This is to prevent excessive road repair costs through preventive 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 in advance to schedule the conference

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

The Purchaser is responsible for contacting the gas or pipeline company 30 days prior to operating equipment in the vicinity of well heads or natural gas pipelines. Contact Riverside Energy, LLC at (231) 995-4000. Written permission is required before harvest operations begin and must be submitted to the Unit Manager.

5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 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

5.2.1 - Slash

5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in the maintained wildlife opening which is indicated by G0 on the Timber Sale Map. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

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

5.2.3.4 - Oak wilt restriction, no exceptions (1/18)

Within Payment Unit(s), 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. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in any Payment Unit must be completed before significant deciduous sprouting occurs in that Payment Unit so as 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

5.2.4.7 - Dead and down creation: hare, grouse, deer and other species (5/15)

To improve horizontal cover habitat for snowshoe hare, grouse, deer, and other species, the Purchaser is to push over trees indicated by an orange-painted X. These trees should be tipped over with the root ball still attached so the base of the tree is suspended off the ground. The crown of the fallen tree should be at or near ground level after it is pushed over. If it is impossible or impractical to push these trees over, they may be severed or partially severed at the stump. Whenever possible the stem of the tree should rest above ground level. These trees should be tipped over with the root ball still attached so the base of the tree is suspended off the ground. The crown of the fallen tree should be at or near ground level after it is pushed over.

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.

5.4 - 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

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on state forest roads adjacent to the sale area 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.

**TIMBER SALE MAP**

This information provided by authority of Part 525, 1994 PA 451, as amended.

Sale Number	Year
54 - 003	22

Forest Management Unit Atlanta	County Alpena	Mapped By Natzke	Date 09/15/2022	Page 1	of 1
Township 30N	Range 06E	Section(s) and Subdivision(s) Sec. 28 NENW, S2NW, W2NE, N2SW, SESW	Scale 1:15,840		

Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water		
G = Grass	MD = Mixed Deciduous	T = Tamarack			

