



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7277**

**SCHEDULED SALE DATE AND TIME: 4:00 p.m. (local time) on January 18, 2024.**

**LOCATION: TRAVERSE CITY MGMT UNIT, 2122 M 37 SOUTH, TRAVERSE CITY, MI 49685.**

**CONTACT NAME: Patrick Cotant**

**PHONE NUMBER: (231) 649-0544**

**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, TRAVERSE CITY MANAGEMENT UNIT, for certain timber on the following described lands:

Raging Bugs Aspen (61-108-23) / T26N, R06W, SEC. 1 , SESW,SWSE.

T26N, R06W, SEC. 11, SENW,NE.

T26N, R06W, SEC. 12, N1/2NW,SWNW,NWNE.

T26N, R06W, SEC. 2 , SESE.

Kalkaska County, Advertised Price \$64,194.70, 108.0 Acres, Aspen, Hardwood.

## TIMBER SALE INFORMATION

### Raging Bugs Aspen (61-108-23)

T26N, R06W, SEC. 1; T26N, R06W, SEC. 11; T26N, R06W, SEC. 12; T26N, R06W, SEC. 2.  
Kalkaska County (Advertised Price \$64,194.70)

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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Red Maple	1.2 MBF	\$ 149.00 / MBF
White Pine	5.4 MBF	\$ 93.00 / MBF
Pulpwood		
B. T. Aspen	1,874 Cords	\$ 20.10 / Cord
Balsam Fir	147 Cords	\$ 24.20 / Cord
Basswood	5 Cords	\$ 16.65 / Cord
Black Cherry	408 Cords	\$ 21.55 / Cord
Black Spruce	4 Cords	\$ 30.30 / Cord
Ironwood	6 Cords	\$ 21.55 / Cord
Red Maple	549 Cords	\$ 21.55 / Cord
Sugar Maple	13 Cords	\$ 21.55 / Cord
White Pine	41 Cords	\$ 25.65 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 9.56 percent. There are an estimated 3,003 cords on this timber sale, plus or minus 287 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 \$3,209.74 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	19.2%
02	10.0%
03	23.4%
04	45.6%
05	1.8%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 04/15/2026.

### **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.

<u>VOLUME</u>		<u>STATISTICAL RANGE IN CORDS</u>		
<u>TOTAL CUBIC FEET</u>	<u>TOTAL CORDS</u>	<u>PERCENT ERROR</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>
237,241	3,003	9.56%	2,716	3,290

**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
24	108,550	1,374	15.21%	1,165	1,583
28	5,133	65	287.12%	0	252
41	23,640	299	22.41%	232	366
94	45,411	575	26.35%	423	726
97	54,508	690	18.12%	565	815
TOTAL:	237,241	3,003		2,386	3,742

**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
24	42.4	4	42.4
28	3.9	5	3.9
41	11.4	2	11.4
94	21.7	1	21.7
97	28.6	3	28.6
TOTAL:	108.0		108.0

**DESCRIPTION OF TIMBER BY PU (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE			
1	White Pine	Sawtimber	3.2	MBF	21.7	\$12,344.80			
	B. T. Aspen	Pulpwood	355	Cords					
	Balsam Fir		28	Cords					
	Black Cherry		80	Cords					
	Black Spruce		4	Cords					
	Red Maple		93	Cords					
	White Pine		15	Cords					
	2	B. T. Aspen	Pulpwood	238			Cords	11.4	\$6,408.00
Balsam Fir			3	Cords					
Black Cherry			28	Cords					
Red Maple			44	Cords					
3	White Pine	Sawtimber	2.2	MBF	28.6	\$15,021.95			
	B. T. Aspen	Pulpwood	365	Cords					
	Balsam Fir		36	Cords					
	Black Cherry		184	Cords					
	Red Maple		112	Cords					
	White Pine		9	Cords					
	4	Red Maple	Sawtimber	1.2			MBF	42.4	\$29,234.70
		B. T. Aspen	Pulpwood	916			Cords		
Balsam Fir			80	Cords					
Basswood			5	Cords					
Black Cherry			99	Cords					
Ironwood			6	Cords					
Red Maple			262	Cords					
Sugar Maple			13	Cords					
White Pine			17	Cords					
5		Black Cherry	Pulpwood	17	Cords	3.9	\$1,185.25		
		Red Maple		38	Cords				
TOTAL:			6.6	MBF					
TOTAL:			3,047	Cords					

## **Sale Specific Conditions & Requirements**

**Sale Name: Raging Bugs Aspen**

**Sale Number: 61-108-23 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 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. 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, 2, 3 and 4, cut all trees that are 4 inches or more at DBH except within payment units 1, 3 and 4 leave all green marked trees and within payment units 2 and 5 leave all white pine and hemlock.

### **4 - Transportation**

#### **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.

##### **5.1.4 - 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.

##### **5.1.6 - Utility R.O.W. (4/19)**

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the R.O.W. for 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.

##### **5.2.29 - 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.

#### **5.4 - 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.

**TIMBER SALE MAP**

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

Sale Number		Year	
61-108		23	
Date	Page	of	
08/14/2023	1	1	
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 = Tread 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, Bach	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			

PU	Acres	PU	Acres
1	21.7	4	42.4
2	11.4	5	3.9
3	28.6		

**Raging Bugs Aspen**

Compartment 123

108 Acres

