



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN**

**TIMBER SALE PROSPECTUS #6888**

SCHEDULED SALE DATE AND TIME: **4:00 p.m. (local time) on October 18, 2021.**

LOCATION: **KALKASKA FIELD OFFICE, 2089 NORTH BIRCH STREET, KALKASKA, MI 49646.**

CONTACT NAME: David Lemmien

PHONE NUMBER: (231) 922-6040

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:

Horse Fly Aspen (61-108-21) / T27N, R07W, SEC. 19, NESW,S1/2SW.

Kalkaska County, Advertised Price \$27,577.30, 27.1 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.

## TIMBER SALE INFORMATION

Horse Fly Aspen (61-108-21)

T27N, R07W, SEC. 19.

Kalkaska County (Advertised Price \$27,577.30)

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 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		
B. T. Aspen	67.8 MBF	\$ 131.00 / MBF
Red Maple	63.7 MBF	\$ 169.00 / MBF
Red Oak	2.7 MBF	\$ 172.00 / MBF
Red Pine	8.7 MBF	\$ 116.00 / MBF
White Pine	14.2 MBF	\$ 53.00 / MBF
Pulpwood		
B. T. Aspen	99 Cords	\$ 18.60 / Cord
Mixed Hardwood	185 Cords	\$ 18.00 / Cord
Red Oak	16 Cords	\$ 17.85 / Cord
Red Pine	2 Cords	\$ 43.30 / Cord
White Pine	8 Cords	\$ 20.05 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 13.63 percent. There are an estimated 707 cords on this timber sale, plus or minus 96 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 \$1,378.87 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 remainder is due before cutting begins.
  - (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	100.0%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2023.

### **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
55,849	707	13.63%	611	803

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
71	49,379	625	13.64%	540	710
TOTAL:	49,379	625		540	710

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
71	27.1	1	27.1
TOTAL:	27.1		27.1

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	67.8	MBF	27.1	\$27,577.30
	Red Maple		63.7	MBF		
	Red Oak		2.7	MBF		
	Red Pine		8.7	MBF		
	White Pine		14.2	MBF		
	B. T. Aspen	Pulpwood	99	Cords		
	Mixed Hardwood		185	Cords		
	Black Cherry		20	Cords		
	Red Maple		165	Cords		
	Red Oak		16	Cords		
	Red Pine		2	Cords		
	White Pine		8	Cords		
TOTAL:			157.1	MBF		
TOTAL:			310	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Horse Fly Aspen**

**Sale Number: 61-108-21 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 blue and red paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. The painted boundary line trees are not Included Timber.

### **2 - Timber Specifications**

#### **2.1 - Included Timber**

##### **2.1.1 - Clearcut unit(s) with unmerchantable trees (6/14)**

Within Payment Unit(s) 1, cut all trees that are two (2) inches or more at DBH.

#### **2.2 - Utilization**

##### **2.2.3 - Stump heights (4/07)**

Stump heights within the Sale Area shall not exceed 12 inches for all trees.

### **3 - Payments**

#### **3.3 - Pre-measured Sales**

##### **3.3.4 - Dividing payment units (7/14)**

Payment Unit(s) 1 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.

### **4 - Transportation**

#### **4.1 - Construction**

##### **4.1.11 - Permits (2/12)**

The Purchaser will secure any necessary highway or county road permits that may be required.

##### **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**

#### **5.1 - Notification**

##### **5.1.1 - Pre-sale conference (10/16)**

A pre-sale conference on site 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 3 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 gas or pipeline company 30 days prior to operating equipment in the vicinity of well heads or natural gas pipelines. Written permission is required before harvest operations begin and must be submitted to the Unit Manager.

## 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.

### 5.2.3 - Operating Restrictions

#### 5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 1's, 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.

### 5.2.4 - 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 for grouse drumming and at least six (6) large tops per two acres for rabbit habitat. These will be evenly scattered throughout the Payment Unit.

#### 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.

## 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 any state or county 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.

**TIMBER SALE MAP***This information provided by authority of Part 525, 1994 PA 451, as amended.*

Forest Management Unit Traverse City Management Unit		County Kalkaska County	Mapped By Tom Peterson	Date 6/18/2021	Page 1	of 1
Township 27N	Range 07W	Section(s) and Subdivision(s) Section 19: NESW & S1/2SW		Cruised By Tom Peterson	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****1 27.1****Horse Fly Aspen****Compartment 61162****27.1 Acres**