



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7337**

**SCHEDULED SALE DATE AND TIME: 4:00 p.m. (local time) on March 21, 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:

Big Ernie Mix (61-118-23) / T28N, R05W, SEC. 25, S1/2SW.

T28N, R05W, SEC. 26, SESE.

T28N, R05W, SEC. 35, E1/2NE.

T28N, R05W, SEC. 36, NW, W1/2NE, N1/2SW, N1/2SE, SESE.

Kalkaska County, Advertised Price \$82,723.10, 322.6 Acres, Hardwood, Red Pine.

SALE NOTE: Payment Units 1, 2, 3, 4, 5 & 7 must be chip harvested. There is an oak wilt restriction on Payment Unit 6.

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

### Big Ernie Mix (61-118-23)

T28N, R05W, SEC. 25; T28N, R05W, SEC. 26; T28N, R05W, SEC. 35; T28N, R05W, SEC. 36.

Kalkaska County (Advertised Price \$82,723.10)

SALE NOTE: Payment Units 1, 2, 3, 4, 5 & 7 must be chip harvested. There is an oak wilt restriction on Payment Unit 6.

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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Black/Red (Hybrid) Oak	1.2 MBF	\$ 65.00 / MBF
Red Maple	18.9 MBF	\$ 88.00 / MBF
Red Oak	15.8 MBF	\$ 90.00 / MBF
Red Pine	453.1 MBF	\$ 78.00 / MBF
White Oak	6.2 MBF	\$ 51.00 / MBF
White Pine	26.2 MBF	\$ 56.00 / MBF
Pulpwood		
Jack Pine	701 Cords	\$ 14.35 / Cord
Mixed Aspen	193 Cords	\$ 12.55 / Cord
Mixed Hardwood	681 Cords	\$ 12.55 / Cord
Mixed Oak	41 Cords	\$ 19.35 / Cord
Red Pine	606 Cords	\$ 29.90 / Cord
White Pine	163 Cords	\$ 15.30 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 11.02 percent. There are an estimated 3,621 cords on this timber sale, plus or minus 399 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 \$6,617.85 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	32.0%
02	3.2%
03	6.7%
04	12.2%
05	23.5%
06	14.5%
07	7.9%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 04/15/2027.

### **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
286,092	3,621	11.02%	3,222	4,021

## 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	50,891	644	24.08%	489	799
68	26,154	331	31.04%	228	434
74	3,203	41	299.50%	0	162
76	29,322	371	24.36%	281	462
84	41,067	520	29.78%	365	675
92	68,351	865	20.30%	690	1,041
94	1,851	23	115.30%	0	50
97	29,675	376	30.35%	262	490
99	4,758	60	54.31%	28	93
114	21,375	271	34.48%	177	364
681	9,447	120	149.29%	0	298
<b>TOTAL:</b>	<b>286,092</b>	<b>3,621</b>		<b>2,519</b>	<b>4,867</b>

**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	35.9	1	35.9
68	58.3	3	58.3
74	2.4	4	2.4
76	32.0	1	13.7
		4	8.7
		5	9.6
84	35.8	1	20.6
		2	7.3
		5	7.9
92	48.3	4	11.0
		5	37.3
94	13.6	2	7.0
		5	6.6
97	46.7	6	46.7
99	17.7	2	4.9
		5	12.8
114	19.5	7	19.5
681	12.4	4	12.4
<b>TOTAL:</b>	<b>322.6</b>		<b>322.6</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Sawtimber	1.9	MBF	70.2	\$26,431.70
	Red Oak		8.7	MBF		
	Red Pine		159.0	MBF		
	White Pine		6.9	MBF		
	Jack Pine	Pulpwood	225	Cords		
	<i>Jack Pine</i>		225	<i>Cords</i>		
	Mixed Aspen		70	Cords		
	<i>Quaking Aspen</i>		70	<i>Cords</i>		
	Mixed Hardwood		138	Cords		
	<i>Black Cherry</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		137	<i>Cords</i>		
	Mixed Oak		13	Cords		
	<i>Red Oak</i>		13	<i>Cords</i>		
	Red Pine		207	Cords		
	White Pine		27	Cords		
2	Red Maple	Sawtimber	0.3	MBF	19.2	\$2,688.45
	Red Oak		0.2	MBF		
	Red Pine		15.8	MBF		
	White Pine		0.1	MBF		
	Jack Pine	Pulpwood	31	Cords		
	<i>Jack Pine</i>		31	<i>Cords</i>		
	Mixed Aspen		16	Cords		
	<i>Quaking Aspen</i>		16	<i>Cords</i>		
	Mixed Hardwood		35	Cords		
	<i>Black Cherry</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		34	<i>Cords</i>		
	Mixed Oak		1	Cords		
	<i>Red Oak</i>		1	<i>Cords</i>		
	Red Pine		6	Cords		
	White Pine		8	Cords		
3	Red Pine	Sawtimber	13.8	MBF	58.3	\$5,576.85
	White Pine		1.6	MBF		
	Jack Pine	Pulpwood	48	Cords		
	<i>Jack Pine</i>		48	<i>Cords</i>		
	Mixed Aspen		36	Cords		
	<i>B. T. Aspen</i>		33	<i>Cords</i>		
	<i>Quaking Aspen</i>		3	<i>Cords</i>		
	Mixed Hardwood		185	Cords		
	<i>Black Cherry</i>		7	<i>Cords</i>		
	<i>Red Maple</i>		178	<i>Cords</i>		
	Red Pine		22	Cords		
	White Pine		19	Cords		
4	Red Maple	Sawtimber	9.5	MBF	34.5	\$10,075.20
	Red Oak		1.6	MBF		
	Red Pine		43.9	MBF		
	White Oak		1.4	MBF		
	White Pine		3.9	MBF		
	Jack Pine	Pulpwood	91	Cords		
	<i>Jack Pine</i>		91	<i>Cords</i>		
	Mixed Aspen		17	Cords		
	<i>B. T. Aspen</i>		5	<i>Cords</i>		
	<i>Quaking Aspen</i>		12	<i>Cords</i>		
	Mixed Hardwood		82	Cords		
	<i>Black Cherry</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		80	<i>Cords</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE			
4 con't	Mixed Oak	Pulpwood	6	Cords					
	Red Oak		2	Cords					
	White Oak		4	Cords					
	Red Pine		75	Cords					
	White Pine		31	Cords					
5	Red Maple	Sawtimber	7.2	MBF	74.2	\$19,478.05			
	Red Oak		5.3	MBF					
	Red Pine		85.5	MBF					
	White Oak		4.8	MBF					
	White Pine		8.0	MBF					
	Jack Pine	Pulpwood	213	Cords					
	Jack Pine		213	Cords					
	Mixed Aspen		54	Cords					
	B. T. Aspen		19	Cords					
	Quaking Aspen		35	Cords					
	Mixed Hardwood		211	Cords					
	Black Cherry		6	Cords					
	Red Maple		205	Cords					
	Mixed Oak		19	Cords					
	Red Oak		6	Cords					
	White Oak		13	Cords					
	Red Pine		106	Cords					
	White Pine		71	Cords					
	6		Red Pine	Sawtimber			91.8	MBF	46.7
		Red Pine	Pulpwood	161			Cords		
7	Black/Red (Hybrid	Sawtimber	1.2	MBF	19.5	\$6,498.55			
	Red Pine		43.3	MBF					
	White Pine		5.7	MBF					
	Jack Pine	Pulpwood	93	Cords					
	Jack Pine		Sawtimber	5.3			MBF		
	Jack Pine		Pulpwood	82			Cords		
	Mixed Hardwood			30			Cords		
	Red Maple			30			Cords		
	Mixed Oak			2			Cords		
	/Red (Hybrid) Oak			2			Cords		
	Red Pine			29			Cords		
	White Pine			7			Cords		
	TOTAL:			521.4			MBF		
TOTAL:			2,385	Cords					

## **Sale Specific Conditions & Requirements**

**Sale Name: Big Ernie Mix**

**Sale Number: 61-118-23 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 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, except trees marked with red paint along Deward road and the powerline may be harvested. 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, 4, 5 & 7, cut all trees that are one (1) inch or more at DBH.

##### **2.1.5 - Overstory removal unit(s) (8/11)**

Within Payment Unit(s) 6, all red pine trees with a DBH equal to or greater than 6 DBH which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except do not cut any red pine trees marked with green paint.

##### **2.1.7 - Leave tree marked unit(s) (6/14)**

Within Payment Unit(s) 3, cut all trees that are two (2) inches or more at DBH, except oak and any pine trees that are sixteen (16) inches or more at DBH and trees marked with green paint above and below stump height.

#### **2.2 - Utilization**

##### **2.2.2 - Chipping required (2/18)**

Payment Units 1, 2, 3, 4, 5 & 7 must be chip harvested to facilitate subsequent planting and prescribed fire operations. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portion of the trees must be chipped and hauled. 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 the Sale Area shall not exceed 6 inches for all trees. This is in order to facilitate planting operations.

### **3 - Payments**

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

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

Payment Unit(s) with a value greater than \$15,000 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**

##### **4.1.6 - Road construction (1/09)**

Construction of new roads 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 within 30 days of completion of hauling. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. These roads must be rendered impassable to cars and trucks. Contact the Sale Administrator for specific details of design and placement.

## 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.

#### 5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 3 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

#### 5.2.3 - Operating Restrictions

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

Within Payment Unit 6, cutting and skidding within the Payment Unit and brushing of access roads to the Payment Unit 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.

#### 5.2.29 - Shrub protection (1/20)

Within Payment Unit 3, 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.

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

There is an ORV trail and it 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. All stumps within 5 feet of the trail must be cut off at least 5 feet above ground level. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the ORV trail as the centerline. Do not run equipment down the ORV trail. Skidding across the trail may only occur in locations approved by the Sale Administrator.

#### 5.2.41 - Snowmobile trail protection (9/11)

A snowmobile trail is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. If the trail road is to be used for hauling during the snowmobile season, then a snow-covered base must be left on the trail. The snowmobile trail may only be crossed at right angles. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 20 feet of the snowmobile trail must be cut at ground level.

### 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 Deward Road and any other roads used for hauling 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.

#### **6.2.2 - Snowmobile trail posting (10/20)**

The Purchaser is responsible for posting and maintaining caution signs on the snowmobile trail prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail 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.



## TIMBER SALE MAP

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

Sale Number	Year
61 - 118	23

Forest Management Unit Traverse City	County Kalkaska	Mapped By Crigrig	Date 08/15/2023	Page 1	of 1
Township 28N	Range 05W	Section(s) and Subdivision(s) Sections: 25, 26, 35, 36	Cruised By Crigrig & Cotant	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	70.2	5	74.2
2	19.2	6	46.7
3	58.3	7	19.5
4	34.5		

## Big Ernie Mix

Compartment 107

322.6 Acres

