



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7402**

**SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on March 19, 2024.**

**LOCATION: ROSCOMMON MGMT UNIT, PO BOX 218, ROSCOMMON, MI 48653.**

**CONTACT NAME: Brian Martell**

**PHONE NUMBER: (989) 889-6314**

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

South Clear Lake Mix (71-005-24) / T23N, R01E, SEC. 13, S1/2SE.

T23N, R01E, SEC. 23, E1/2NE,NWSE.

T23N, R01E, SEC. 24, NW,N1/2NE,NESW.

T23N, R01E, SEC. 26, E1/2NE.

Ogemaw County, Advertised Price \$208,153.25, 161.5 Acres, Aspen, Hardwood.

**SALE NOTE:** 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

South Clear Lake Mix (71-005-24)

T23N, R01E, SEC. 13; T23N, R01E, SEC. 23; T23N, R01E, SEC. 24; T23N, R01E, SEC. 26.

Ogemaw County (Advertised Price \$208,153.25)

**SALE NOTE:** 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 Cherry	37.6 MBF	\$ 213.00 / MBF
Black/Red (Hybrid) Oak	88.3 MBF	\$ 128.00 / MBF
Mixed Aspen	381.8 MBF	\$ 83.00 / MBF
Red Maple	92.3 MBF	\$ 71.00 / MBF
Red Oak	92.7 MBF	\$ 131.00 / MBF
Red Pine	32.8 MBF	\$ 124.00 / MBF
White Oak	25.5 MBF	\$ 70.00 / MBF
White Pine	25.5 MBF	\$ 87.00 / MBF
Pulpwood		
Black Cherry	63 Cords	\$ 21.85 / Cord
Jack Pine	6 Cords	\$ 11.85 / Cord
Mixed Aspen	1,760 Cords	\$ 40.30 / Cord
Mixed Oak	798 Cords	\$ 22.80 / Cord
Red Maple	989 Cords	\$ 21.85 / Cord
Red Pine	323 Cords	\$ 47.05 / Cord
White Pine	74 Cords	\$ 40.65 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 29.43 percent. There are an estimated 5,832 cords on this timber sale, plus or minus 1,717 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 \$10,407.66 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	35.4%
02	31.4%
03	7.0%
04	7.4%
05	1.5%
06	4.1%
07	5.7%
08	7.5%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2026.

### **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
460,742	5,832	29.43%	4,116	7,549

## 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
138	25,992	329	27.59%	238	420
151	28,049	355	43.37%	201	509
152	20,163	255	33.81%	169	342
154	9,948	126	43.83%	71	181
155	320,992	4,063	17.36%	3,358	4,769
167	29,170	369	50.37%	183	555
184	26,427	335	48.58%	172	497
<b>TOTAL:</b>	<b>460,742</b>	<b>5,832</b>		<b>4,392</b>	<b>7,272</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
138	17.3	4	17.3
151	12.4	7	12.4
152	23.4	6	23.4
154	11.2	5	11.2
155	73.0	1	38.7
		2	34.3
167	6.9	3	6.9
184	17.3	8	17.3
<b>TOTAL:</b>	<b>161.5</b>		<b>161.5</b>

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black/Red (Hybrid	Sawtimber	26.9	MBF	38.7	\$73,852.30
	Mixed Aspen		142.1	MBF		
	<i>B. T. Aspen</i>		142.1	<i>MBF</i>		
	Red Maple	Pulpwood	31.8	MBF		
	Red Oak		26.7	MBF		
	Red Pine		2.7	MBF		
	White Oak		8.6	MBF		
	White Pine		6.8	MBF		
	Black Cherry		4	Cords		
	Mixed Aspen		887	Cords		
	<i>B. T. Aspen</i>		869	<i>Cords</i>		
	<i>Quaking Aspen</i>		18	<i>Cords</i>		
	Mixed Oak		324	Cords		
	<i>/Red (Hybrid) Oak</i>		148	<i>Cords</i>		
	<i>Red Oak</i>		155	<i>Cords</i>		
	<i>White Oak</i>		21	<i>Cords</i>		
	Red Maple		356	Cords		
	Red Pine		1	Cords		
	White Pine		7	Cords		
2	Black/Red (Hybrid	Sawtimber	23.8	MBF	34.3	\$65,433.30
	Mixed Aspen		125.9	MBF		
	<i>B. T. Aspen</i>		125.9	<i>MBF</i>		
	Red Maple	Pulpwood	28.1	MBF		
	Red Oak		23.6	MBF		
	Red Pine		2.3	MBF		
	White Oak		7.7	MBF		
	White Pine		6.1	MBF		
	Black Cherry		4	Cords		
	Mixed Aspen		787	Cords		
	<i>B. T. Aspen</i>		771	<i>Cords</i>		
	<i>Quaking Aspen</i>		16	<i>Cords</i>		
	Mixed Oak		287	Cords		
	<i>/Red (Hybrid) Oak</i>		131	<i>Cords</i>		
	<i>Red Oak</i>		138	<i>Cords</i>		
	<i>White Oak</i>		18	<i>Cords</i>		
	Red Maple		316	Cords		
	White Pine		6	Cords		
3	Black/Red (Hybrid	Sawtimber	5.1	MBF	6.9	\$14,493.20
	Mixed Aspen		21.2	MBF		
	<i>B. T. Aspen</i>		21.2	<i>MBF</i>		
	Red Maple	Pulpwood	2.5	MBF		
	Red Oak		21.0	MBF		
	Red Pine		17.2	MBF		
	White Oak		7.5	MBF		
	White Pine		2.6	MBF		
	Jack Pine		6	Cords		
	Mixed Aspen		18	Cords		
	<i>B. T. Aspen</i>		18	<i>Cords</i>		
	Mixed Oak		24	Cords		
	<i>/Red (Hybrid) Oak</i>		3	<i>Cords</i>		
	<i>Red Oak</i>		13	<i>Cords</i>		
	<i>White Oak</i>		8	<i>Cords</i>		
	Red Maple		52	Cords		
	Red Pine		33	Cords		
	White Pine		55	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
4	Black/Red (Hybrid	Sawtimber	1.5	MBF	17.3	\$15,377.45
	Red Pine		10.6	MBF		
	Mixed Oak	Pulpwood	12	Cords		
	/Red (Hybrid) Oak		12	Cords		
	Red Pine		289	Cords		
5	Black/Red (Hybrid	Sawtimber	1.6	MBF	11.2	\$3,194.85
	Mixed Aspen		4.5	MBF		
	B. T. Aspen		4.5	MBF		
	Red Maple		3.8	MBF		
	Mixed Aspen	Pulpwood	3	Cords		
	B. T. Aspen		3	Cords		
	Mixed Oak		43	Cords		
	/Red (Hybrid) Oak		43	Cords		
	Red Maple		57	Cords		
6	Black/Red (Hybrid	Sawtimber	11.6	MBF	23.4	\$8,481.70
	Mixed Aspen		1.7	MBF		
	B. T. Aspen		1.7	MBF		
	Red Maple		6.6	MBF		
	Red Oak		21.4	MBF		
	Mixed Aspen	Pulpwood	1	Cords		
	B. T. Aspen		1	Cords		
	Mixed Oak		73	Cords		
	/Red (Hybrid) Oak		48	Cords		
	Red Oak		20	Cords		
	White Oak		5	Cords		
	Red Maple		86	Cords		
7	Black Cherry	Sawtimber	5.9	MBF	12.4	\$11,781.00
	Mixed Aspen		54.8	MBF		
	Quaking Aspen		54.8	MBF		
	Red Maple		6.8	MBF		
	White Oak		1.7	MBF		
	White Pine		10.0	MBF		
	Black Cherry	Pulpwood	24	Cords		
	Mixed Aspen		39	Cords		
	Quaking Aspen		39	Cords		
	Mixed Oak		1	Cords		
	White Oak		1	Cords		
	Red Maple		98	Cords		
White Pine		6	Cords			
8	Black Cherry	Sawtimber	31.7	MBF	17.3	\$15,539.45
	Black/Red (Hybrid		17.8	MBF		
	Mixed Aspen		31.6	MBF		
	Quaking Aspen		31.6	MBF		
	Red Maple		12.7	MBF		
	Black Cherry	Pulpwood	31	Cords		
	Mixed Aspen		25	Cords		
	B. T. Aspen		9	Cords		
	Quaking Aspen		16	Cords		
	Mixed Oak		34	Cords		
	/Red (Hybrid) Oak		34	Cords		
	Red Maple		24	Cords		
TOTAL:			776.5	MBF		
TOTAL:			4,013	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: South Clear Lake Mix**

**Sale Number: 71-005-24 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. 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, 7 and 8, cut all trees that are two (2) inches or more at DBH, except do not cut trees marked with green paint.

##### **2.1.3 - Cut tree marked unit(s) (12/08)**

Within Payment Unit(s) 4-6, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

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

Within Payment Unit(s) 3, all trees, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except do not cut trees marked with green paint above and below stump height.

#### **2.2 - Utilization**

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

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches at DBH and 4 inches for trees smaller than 10 inches at DBH.

##### **2.2.6 - Roundwood operation required (3/21)**

The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Unit(s) 4-6. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

### **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.

#### **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. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings.

Within Payment Unit 3, if more than 30% of the tree seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the Sale Area are damaged, liquidated damages will be assessed at \$300 per acre for all acreage within that specified portion of the Sale Area that was damaged.

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**

#### **4.1.6 - 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 upon completion of the sale. 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. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. These stumps must be scattered along the road system to prohibit vehicular movement. Contact the Sale Administrator for specific details of design and placement.

### **4.2 - Maintenance**

#### **4.2.1 - Hauling restriction (12/08)**

Hauling may be restricted on forest roads by the Unit Manager or his/her representative. The restriction may occur during wet weather conditions.

#### **4.2.3 - Road maintenance (8/13)**

The following road maintenance is required: Within 60 days of completion of hauling, or if no hauling occurs for 60 days, the road must be maintained and graded. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. Damages will be assessed if grading/repair does not occur.

#### **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.

### **5.2 - 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.

#### **5.2.2 - 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

#### 5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 4, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

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

Within Payment Unit(s) 3, 5 and 6, cutting, skidding, 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 sprouting occurs in that Payment Unit 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. Should damages occur to the new regeneration, the damages will be assessed per Specification 3.4.1 - Damaged Timber. If it is anticipated that chipping will be delayed, then tops shall be carried to one central location, preferably the landing. A third-party entity may be brought in to chip the tops/slash, before new sprouting occurs, should the contract holder fail to present in a timely manner arrangements approved by the Department for protecting the new regeneration. The Unit Manager or his/her representative may also cease such operations if sprouting occurs before the operation is complete and the Payment Unit(s) will be counted as incomplete with liquidated damages assessed accordingly.

#### 5.2.3.15 - Oak wilt restriction, access roads (11/23)

Brushing of access roads to Payment Unit(s) 6-8 must be completed prior to April 15 in order to use these roads for hauling timber or moving machinery between April 15 and July 15. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

### 5.2.4 - Dead and Down Creation

#### 5.2.4.2 - Dead and down creation, hare and grouse (1/14)

To improve habitat for snowshoe hare, grouse, and other species, the Purchaser is to leave two trees, nine (9) inches or larger in diameter on the ground for every two acres within Payment Units 1, 2, 7 and 8. They should be scattered throughout the sale or positioned per the Sale Administrator's instructions. If possible, the logs or trees should be felled so they overlap. Note these pieces should have a minimum length of five feet. They can be of any tree species and can be an un-merchantable piece of wood or a full tree.

#### 5.2.4.3 - Dead and down creation, dead trees (6/07)

Except as provided for in General Condition and Requirement 5.2.2, no dead trees, standing or down, are to be cut, skidded, or processed.

#### 5.2.30 - Landing/road top soil protection (2/15)

Top soil on landings and new roads must be removed, stockpiled and saved. Upon completion of the timber sale, soil must be evenly distributed back over the area for revegetation.

#### 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 ORV trail is shown on the Timber Sale Map. Trees with yellow ORV markers shall be cut off above the markers and at least 5 feet above ground. 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. Do not run equipment down the ORV trail

or route. Skidding across the trail or route may only occur in locations approved by the Sale Administrator.

#### 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 are 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.

##### 5.4.4 - Slope protection (9/19)

Skid trails and roads on slopes shall be water barred with slash, stumps, and/or clean straw bales native to the area as soon as use is complete to prevent erosion.

### 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 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. 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		County	Mapped By: Lewicki, Sanborn	Scale 1:15,840	Page	Of
Roscommon Mgt Unit		Ogemaw	Cruised By: Lewicki,Martell, Ewald		1	1
Township 23N	Range 01E	Section(s) and Subdivision(s) Sec. 13 S1/2SE; Sec. 23 E1/2NE,NWSE; Sec. 24 NW,N1/2NE,NESW; Sec. 26 E1/2NE;				

**Cover Type**

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

**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	PU #	Acres	PU #	Acres
1	38.7	3	6.9	5	11.2	7	12.4
2	34.3	4	17.3	6	23.4	8	17.3

**South Clear  
Lake Mix  
161.5 Acres**