



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7149**

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on November 30, 2022.**

LOCATION: **BALDWIN OFFICE, 2468 W 24TH STREET, BALDWIN, MI 49304.**

CONTACT NAME: David Flsher

PHONE NUMBER: (231) 745-4651

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

Deer Camp Aspen (63-031-22) / T18N, R08W, SEC. 18, NENW,S1/2NW,W1/2NE.
T18N, R08W, SEC. 7 , NW.

Osceola County, Advertised Price \$121,176.20, 82.1 Acres, Aspen, Hardwood.

TIMBER SALE INFORMATION

Deer Camp Aspen (63-031-22)
T18N, R08W, SEC. 18; T18N, R08W, SEC. 7.
Osceola County (Advertised Price \$121,176.20)

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	604.6 MBF	\$ 69.00 / MBF
Red Maple	44.7 MBF	\$ 70.00 / MBF
Red Oak	166.1 MBF	\$ 140.00 / MBF
Pulpwood		
Beech	43 Cords	\$ 16.60 / Cord
Black Cherry	58 Cords	\$ 16.60 / Cord
Mixed Aspen	1,765 Cords	\$ 21.70 / Cord
Red Maple	548 Cords	\$ 16.60 / Cord
Red Oak	174 Cords	\$ 21.95 / Cord
White Ash	11 Cords	\$ 16.60 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 9.16 percent. There are an estimated 4,397 cords on this timber sale, plus or minus 403 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 \$6,058.81 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	52.7%
02	47.3%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2024.

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
347,367	4,397	9.16%	3,994	4,800

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.

VDU	VOLUME		PERCENT ERROR	RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
29	164,623	2,084	14.73%	1,777	2,391
33	182,745	2,313	9.54%	2,093	2,534
TOTAL:	347,367	4,397		3,869	4,925

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
29	44.7	1	44.7
33	37.4	2	37.4
TOTAL:	82.1		82.1

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	284.9	MBF	44.7	\$63,841.60
	B. T. Aspen		139.7	MBF		
	Quaking Aspen		145.2	MBF		
	Red Maple		32.8	MBF		
	Red Oak		146.8	MBF		
	Beech	Pulpwood	43	Cords		
	Beech	Sawtimber	14.6	MBF		
	Beech	Pulpwood	14	Cords		
	Black Cherry		32	Cords		
	Black Cherry	Sawtimber	4.1	MBF		
	Black Cherry	Pulpwood	24	Cords		
	Mixed Aspen		641	Cords		
	B. T. Aspen		459	Cords		
	Quaking Aspen		182	Cords		
	Red Maple		293	Cords		
	Red Oak		60	Cords		
2	Mixed Aspen	Sawtimber	319.7	MBF	37.4	\$57,334.60
	B. T. Aspen		319.7	MBF		
	Red Maple		11.9	MBF		
	Red Oak		19.3	MBF		
	Black Cherry	Pulpwood	26	Cords		
	Black Cherry		26	Cords		
	Mixed Aspen		1,124	Cords		
	B. T. Aspen		1,124	Cords		
	Red Maple		255	Cords		
	Red Oak		114	Cords		
	White Ash		11	Cords		
	White Ash	Sawtimber	2.4	MBF		
	White Ash	Pulpwood	6	Cords		
TOTAL:			815.4	MBF		
TOTAL:			2,599	Cords		

Sale Specific Conditions & Requirements

Sale Name: Deer Camp Aspen

Sale Number: 63-031-22 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The exterior sale boundary lines against state land are marked and identified by red 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.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1 & 2, cut all trees that are two (2) inches or more at DBH, except do not cut white oak.

3 - Payments

3.6 - Payment Unit Cutting Schedule

3.6.2 - One active unit (12/08)

Each Payment Unit must be completed to the satisfaction of the Unit Manager or his/her representative before the next unit may be opened. The Purchaser must give a one week notice before finishing a unit to allow for inspection.

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.

4.1.12 - 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

4.2.1 - Hauling restriction (12/08)

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

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 a Payment Unit 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.

5.2 - 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

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 1 & 2, 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 & 2, leave one, 10" diameter or larger log-length (8 foot minimum) piece on the ground for every 2 acres. In addition, leave at least six (6) large tops per acre. These will be evenly scattered throughout the unit. This can be an unmerchantable piece or a full tree. Each log must be clearly identified by a piece of blue flagging.

5.2.29 - Shrub protection (1/20)

Do not cut or damage hawthorn, witch-hazel, dogwood or juneberry. 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. 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.

5.4 - 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 Cedar Rd 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 Cadillac		County Osceola	Mapped By Park	Date 09/22/2022	Page 1	of 1
Township 18N	Range 08W	Section(s) and Subdivision(s) S7 NW, S18 NENW, S1/2NW, W1/2NE		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			

	<u>PU</u>	<u>Acres</u>
1		44.7
2		37.4

Deer Camp Aspen

Compartment 033

82.1 Acres

