



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7085**

SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on August 25, 2022.

LOCATION: GLADWIN MGMT UNIT, 801 NORTH SILVERLEAF, GLADWIN, MI 48624.

CONTACT NAME: Patrick Mohny

PHONE NUMBER: (989) 426-9205

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

Tyler Fall (73-003-21) / T20N, R05E, SEC. 31, W1/2SE.

T20N, R05E, SEC. 32, NW.

Arenac County, Advertised Price \$22,438.65, 33.0 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.

Sale units have some wind throw and tipped trees that add to the complexity of harvesting the sale. Trees that were alive in the summer of 2021 were tallied. The tipped trees if left, and they meet the size criteria for drumming logs, can be counted toward the total needed for Spec 5.2.4.4.

TIMBER SALE INFORMATION

Tyler Fall (73-003-21)

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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		
B. T. Aspen	5.2 MBF	\$ 69.00 / MBF
Bl/R/Hybrid Oak	34.1 MBF	\$ 56.00 / MBF
Red Maple	15.6 MBF	\$ 45.00 / MBF
White Oak	6.7 MBF	\$ 42.00 / MBF
White Pine	28.5 MBF	\$ 59.00 / MBF
Pulpwood		
B. T. Aspen	430 Cords	\$ 25.10 / Cord
Jack Pine	3 Cords	\$ 14.85 / Cord
Mixed Hardwood	23 Cords	\$ 15.95 / Cord
Mixed Oak	202 Cords	\$ 12.35 / Cord
Red Maple	107 Cords	\$ 15.95 / Cord
Red Pine	8 Cords	\$ 32.95 / Cord
White Pine	80 Cords	\$ 22.95 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 7.24 percent. There are an estimated 1,058 cords on this timber sale, plus or minus 77 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 \$2,243.87 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 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	60.7%
02	9.2%
03	30.1%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 09/30/2024.

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
83,559	1,058	7.24%	981	1,134

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
28	50,199	635	10.10%	571	700
98	7,626	97	27.89%	70	123
99	25,734	326	9.83%	294	358
TOTAL:	83,559	1,058		935	1,181

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
28	14.9	1	14.9
98	5.8	2	5.8
99	12.3	3	12.3
TOTAL:	33.0		33.0

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	5.2	MBF	14.9	\$13,632.55
	Bl/R/Hybrid Oak		27.8	MBF		
	Red Maple		15.6	MBF		
	White Oak		6.7	MBF		
	White Pine		17.9	MBF		
	B. T. Aspen		214	Cords		
	Mixed Hardwood		19	Cords		
	<i>Paper Birch</i>		19	Cords		
	Mixed Oak		68	Cords		
	<i>Bl/R/Hybrid Oak</i>		58	Cords		
	<i>White Oak</i>		10	Cords		
	Red Maple		71	Cords		
	Red Pine		8	Cords		
	<i>Red Pine</i>		3.5	MBF		
	<i>Red Pine</i>		1	Cords		
	White Pine	77	Cords			
2	Bl/R/Hybrid Oak	Sawtimber	2.4	MBF	5.8	\$2,054.40
	White Pine		4.7	MBF		
	B. T. Aspen	Pulpwood	36	Cords		
	Jack Pine		3	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	0.8	MBF		
	<i>Jack Pine</i>	<i>Pulpwood</i>	1	Cords		
	Mixed Hardwood		1	Cords		
	<i>Black Cherry</i>		1	Cords		
	Mixed Oak		30	Cords		
	<i>Bl/R/Hybrid Oak</i>		30	Cords		
	Red Maple		15	Cords		
	White Pine		3	Cords		
	3	Bl/R/Hybrid Oak	Sawtimber	3.9		
White Pine			5.9	MBF		
B. T. Aspen		Pulpwood	180	Cords		
Mixed Hardwood			3	Cords		
<i>Black Cherry</i>			3	Cords		
Mixed Oak			104	Cords		
<i>Bl/R/Hybrid Oak</i>			99	Cords		
<i>White Oak</i>			5	Cords		
Red Maple			21	Cords		
TOTAL:			90.1	MBF		
TOTAL:			853	Cords		

Sale Specific Conditions & Requirements

Sale Name: Tyler Fall

Sale Number: 73-003-21 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 red and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow 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) 1-3, cut all trees that are two (2) inches or more at DBH, except trees marked with green paint above and below stump height.

3 - Payments

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. 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

4.1.12 - 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

5.2 - Conduct of Operations

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) 1-3 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) 1-3 leave one 12" or larger diameter whole tree on the ground for every 3 acres. Trees should be scattered throughout the sale and at least two chains from any roads, two-tracks, or trails open to vehicles, or positioned per the sale administrator's instructions. Stumps must be at least 3 feet tall.

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
73 - 003	21

Forest Management Unit Gladwin Management Unit	County Arenac	Mapped By Steven Nyhoff	Date 06/18/2021	Page 1	of 1
Township 20N	Range 05E	Section(s) and Subdivision(s) Sec 31 W1/2SE; Sec 32 NW	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	14.9
2	5.8
3	12.3

**Tyler Fall
Compartment 134
33 Acres**