



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7239**

SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on July 25, 2023.

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

CONTACT NAME: Blair Tweedale

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:

C134 Main Walker (73-002-22) / T20N, R05E, SEC. 15, NW, SESW, SWSE.

T20N, R05E, SEC. 22, NENW, NWNE.

T20N, R05E, SEC. 29, S1/2NW, SESW, W1/2SE.

T20N, R05E, SEC. 30, NESW, NWSE.

Arenac County, Advertised Price \$154,499.55, 132.3 Acres, Aspen, White Pine.

SALE NOTE: Units 1 and 2 have Walker Road going through them. This road is a seasonal county road. If wood products are to be decked along the road, then permission from the Arenac County Road Commission will be needed. The existing roads and two-track will need to be kept in a passable condition while logging and hauling operation are going on.

TIMBER SALE INFORMATION

C134 Main Walker (73-002-22)

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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		
Black/Red (Hybrid) Oak	49.8 MBF	\$ 109.00 / MBF
Mixed Aspen	157.1 MBF	\$ 78.00 / MBF
Red Maple	23.2 MBF	\$ 76.00 / MBF
Red Pine	268.2 MBF	\$ 121.00 / MBF
White Oak	9.7 MBF	\$ 96.00 / MBF
White Pine	288.1 MBF	\$ 68.00 / MBF
Pulpwood		
Mixed Aspen	1,524 Cords	\$ 30.35 / Cord
Mixed Oak	230 Cords	\$ 15.75 / Cord
Red Maple	286 Cords	\$ 21.00 / Cord
Red Pine	221 Cords	\$ 51.15 / Cord
White Pine	494 Cords	\$ 30.15 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.75 percent. There are an estimated 4,511 cords on this timber sale, plus or minus 575 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 \$7,724.98 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	42.4%
02	8.3%
03	10.6%
04	28.8%
05	9.9%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/31/2025.

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
356,334	4,511	12.75%	3,935	5,086

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
5	113,543	1,437	21.05%	1,135	1,740
20	46,453	588	21.35%	462	714
79	38,986	493	40.99%	291	696
220	133,369	1,688	14.79%	1,438	1,938
235	23,983	304	41.52%	178	430
TOTAL:	356,334	4,511		3,504	5,517

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
5	34.5	4	34.5
20	18.5	3	18.5
79	11.9	5	11.9
220	38.2	1	38.2
235	29.2	2	29.2
TOTAL:	132.3		132.3

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black/Red (Hybrid	Sawtimber	3.2	MBF	38.2	\$65,465.40
	Red Pine		225.1	MBF		
	White Pine		216.1	MBF		
	Mixed Aspen	Pulpwood	59	Cords		
	<i>B. T. Aspen</i>		59	<i>Cords</i>		
	Mixed Oak		20	Cords		
	<i>/Red (Hybrid) Oak</i>		20	<i>Cords</i>		
	Red Maple		6	Cords		
	Red Pine		155	Cords		
	White Pine		432	Cords		
2	Black/Red (Hybrid	Sawtimber	4.6	MBF	29.2	\$12,851.30
	Red Maple		8.0	MBF		
	Red Pine		40.2	MBF		
	White Pine		5.8	MBF		
	Mixed Aspen	Pulpwood	66	Cords		
	<i>B. T. Aspen</i>		66	<i>Cords</i>		
	Mixed Oak		4	Cords		
	<i>/Red (Hybrid) Oak</i>		4	<i>Cords</i>		
	Red Maple		21	Cords		
	Red Pine		63	Cords		
	White Pine		25	Cords		
3	Black/Red (Hybrid	Sawtimber	9.2	MBF	18.5	\$16,426.50
	Mixed Aspen		15.0	MBF		
	<i>B. T. Aspen</i>		15.0	<i>MBF</i>		
	Red Maple		3.1	MBF		
	Red Pine		2.9	MBF		
	White Oak		1.6	MBF		
	White Pine		34.9	MBF		
	Mixed Aspen	Pulpwood	259	Cords		
	<i>B. T. Aspen</i>		94	<i>Cords</i>		
	<i>Quaking Aspen</i>		165	<i>Cords</i>		
	Mixed Oak		44	Cords		
	<i>/Red (Hybrid) Oak</i>		41	<i>Cords</i>		
	<i>White Oak</i>		3	<i>Cords</i>		
	Red Maple		113	Cords		
	Red Pine		3	Cords		
	White Pine		2	Cords		
4	Black/Red (Hybrid	Sawtimber	30.5	MBF	34.5	\$44,487.85
	Mixed Aspen		110.3	MBF		
	<i>B. T. Aspen</i>		110.3	<i>MBF</i>		
	Red Maple		12.1	MBF		
	White Oak		8.1	MBF		
	White Pine		27.7	MBF		
	Mixed Aspen	Pulpwood	778	Cords		
	<i>B. T. Aspen</i>		754	<i>Cords</i>		
	<i>Quaking Aspen</i>		24	<i>Cords</i>		
	Mixed Oak		89	Cords		
	<i>/Red (Hybrid) Oak</i>		44	<i>Cords</i>		
	<i>White Oak</i>		45	<i>Cords</i>		
	Red Maple		140	Cords		
	White Pine		34	Cords		
5	Black/Red (Hybrid	Sawtimber	2.3	MBF	11.9	\$15,268.50
	Mixed Aspen		31.8	MBF		
	<i>B. T. Aspen</i>		12.1	<i>MBF</i>		
	<i>Quaking Aspen</i>		19.7	<i>MBF</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	White Pine	Sawtimber	3.6	MBF		
	Mixed Aspen	Pulpwood	362	Cords		
	<i>B. T. Aspen</i>		189	<i>Cords</i>		
	<i>Quaking Aspen</i>		173	<i>Cords</i>		
	Mixed Oak		73	Cords		
	<i>/Red (Hybrid) Oak</i>		43	<i>Cords</i>		
	<i>White Oak</i>		30	<i>Cords</i>		
	Red Maple		6	Cords		
	White Pine		1	Cords		
TOTAL:			796.1	MBF		
TOTAL:			2,755	Cords		

Sale Specific Conditions & Requirements

Sale Name: C134 Main Walker

Sale Number: 73-002-22 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. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 3, 4, and 5, cut all trees that are two (2) inches or more at DBH except do not cut any pines or oaks that have a DBH greater than 28 inches.

2.1.4 - Designated timber unit(s) (6/17)

Within Payment Unit(s) 2, all aspen and maple trees that are two (2) inches or more at DBH are designated for cutting regardless of merchantability. In addition, cut all trees that are marked with orange paint above and below stump height.

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

Within Payment Unit(s) 1, all trees with DBH equal to or greater than 4 inches which meet minimum piece specifications in 2.2 Utilization, are designated for cutting except do not cut any trees marked with green paint above and below stump height.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 1 and 4 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 units 1 and 2 of the sale area, if more than 25% 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. The 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

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1 and 2, unless changed by written agreement, 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) 1 and 2 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. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

5.2.3.6 - Bark beetle restriction (12/08)

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4 mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

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) 3, 4, and 5 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 administrators instructions. Stumps must be at least 3 feet tall.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 3, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because the soils are seasonal wet.

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**

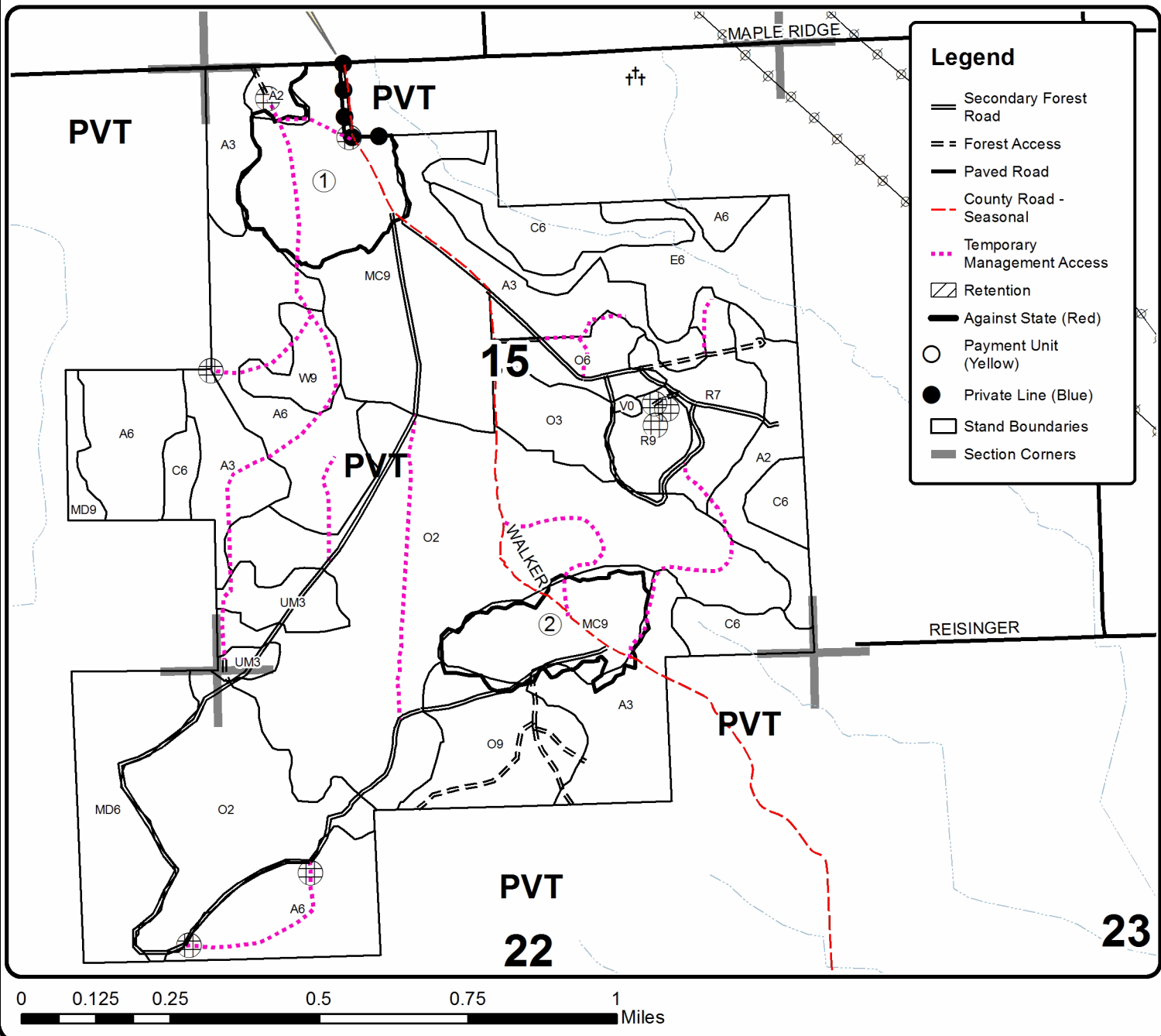
This information provided by authority of Part 525, 1994 PA 451, as amended.

Sale Number	Year
73 - 002	22

Forest Management Unit	County	Mapped By	Date	Page	of
Gladwin Management Unit	Arenac	Steven Nyhoff	07/01/2022	1	2
Township	Range	Section(s) and Subdivision(s)	Scale		
20N	05E	Sections 15, 22, 29, 30	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			

PU	Acres	PU	Acres
1	38.2	4	34.5
2	29.2	5	11.9
3	18.5		

C134 Main Walker
Compartment 134
132.2 Acres

TIMBER SALE MAP

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C134 Main Walker
Compartment 134
132.2 Acres

