



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6891

SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on July 14, 2021.

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

CONTACT NAME: Patrick Mohney

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:

Eastman Mix (73-008-20) / T18N, R02E, SEC. 27, SW.

T18N, R02E, SEC. 28, W1/2NW, E1/2SW, SWSE.

T18N, R02E, SEC. 33, E1/2NW, W1/2NE.

T18N, R02E, SEC. 34, NENW.

Gladwin County, Advertised Price \$21,911.75, 43.9 Acres, Aspen, Red Pine.

TIMBER SALE INFORMATION

Eastman Mix (73-008-20)

T18N, R02E, SEC. 27; T18N, R02E, SEC. 28; T18N, R02E, SEC. 33; T18N, R02E, SEC. 34.
Gladwin County (Advertised Price \$21,911.75)

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 T-Sale computer program and our traditional volume equations. 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	67.1 MBF	\$ 55.00 / MBF
Mixed Oak	21.5 MBF	\$ 79.00 / MBF
Red Pine	16.1 MBF	\$ 79.00 / MBF
Pulpwood		
Jack Pine	4 Cords	\$ 14.60 / Cord
Mixed Aspen	384 Cords	\$ 15.55 / Cord
Mixed Oak	99 Cords	\$ 14.00 / Cord
Red Maple	36 Cords	\$ 12.40 / Cord
Red Pine	217 Cords	\$ 34.05 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 14.32 percent. There are an estimated 951 cords on this timber sale, plus or minus 136 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 \$1,095.59 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	22.2%
02	39.8%
03	11.8%
04	26.2%
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

SALE VOLUMES

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
75,096	951	14.32%	814	1,087

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
5	20,169	255	20.28%	204	307
50	26,757	339	20.69%	269	409
139	18,873	239	39.70%	144	334
196	9,298	118	34.91%	77	159
TOTAL:	75,097	951		693	1,208

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	12.8	2	12.8
50	13.5	4	13.5
139	6.0	1	6.0
196	11.6	3	11.6
TOTAL:	43.9		43.9

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	50.0	MBF	6.0	\$4,864.20
	<i>Quaking Aspen</i>		50.0	<i>MBF</i>		
	Mixed Aspen	Pulpwood	124	Cords		
	<i>Quaking Aspen</i>		124	<i>Cords</i>		
	Red Maple		15	Cords		
	<i>Red Maple</i>	<i>Sawtimber</i>	2.0	<i>MBF</i>		
	<i>Red Maple</i>	<i>Pulpwood</i>	11	<i>Cords</i>		
2	Red Pine	Sawtimber	16.1	MBF	12.8	\$8,733.15
	Jack Pine	Pulpwood	4	Cords		
	Mixed Oak		1	Cords		
	<i>Bl/R/Hybrid Oak</i>		1	<i>Cords</i>		
	Red Pine		217	Cords		
3	Mixed Oak	Sawtimber	18.7	MBF	11.6	\$2,579.70
	<i>Bl/R/Hybrid Oak</i>		18.3	<i>MBF</i>		
	<i>White Oak</i>		0.4	<i>MBF</i>		
	Mixed Oak	Pulpwood	69	Cords		
	<i>Bl/R/Hybrid Oak</i>		68	<i>Cords</i>		
	<i>White Oak</i>		1	<i>Cords</i>		
	Red Maple		11	Cords		
	<i>Red Maple</i>	<i>Sawtimber</i>	0.7	<i>MBF</i>		
	<i>Red Maple</i>	<i>Pulpwood</i>	10	<i>Cords</i>		
4	Mixed Aspen	Sawtimber	17.1	MBF	13.5	\$5,734.70
	<i>B. T. Aspen</i>		17.1	<i>MBF</i>		
	Mixed Oak		2.8	MBF		
	<i>Bl/R/Hybrid Oak</i>		2.8	<i>MBF</i>		
	Mixed Aspen	Pulpwood	260	Cords		
	<i>B. T. Aspen</i>		260	<i>Cords</i>		
	Mixed Oak		29	Cords		
	<i>Bl/R/Hybrid Oak</i>		29	<i>Cords</i>		
	Red Maple		10	Cords		
<i>Red Maple</i>		10	<i>Cords</i>			
TOTAL:			104.7	MBF		
TOTAL:			740	Cords		

Sale Specific Conditions & Requirements

Sale Name: Eastman Mix

Sale Number: 73-008-20 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundaries are marked and identified by red paint. Exterior sale boundary lines against state are marked with red paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1, 3, and 4, cut all trees that are two (2) inches or more at DBH, except do not cut conifer or trees marked with green paint above and below stump height.

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

Within Payment Unit(s) 2, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.1.15 - Hazard trees near roads (7/13)

Cut and remove all standing dead trees within 100 feet of the cleared portion of Eastman Road. These trees must be utilized or scattered back into the Sale Area.

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 Payment Unit 2, if more than 15% 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

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. Overgrown roads that are reopened shall be considered new roads. 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. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. 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.

4.2.2 - Fill material (4/07)

To maintain roads, fill material may be needed in areas where "holes" exist or may be expected to develop. This fill material

should be placed before trucking begins. Contact the sale administrator regarding the availability of onsite sand or gravel from adjacent State-owned lands.

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 36 inches in height.

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1, unless changed by written agreement, cutting, skidding, and hauling are not permitted during the period of April 1 to June 15. This restriction is because of seasonally wet soil conditions.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 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.

5.2.3.6 - 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) 1 and 4 leave one 12" or larger diameter whole tree on the ground for every 3 acres. Trees should be scattered throughout the Sale Area and located at least two chains from any road, two-track, or trail open to vehicles, or otherwise positioned per the sale administrators' instructions. The butt end of the tree must be placed on the severed stump. Stumps must be at least 3 feet tall.

5.2.31 - Landing locations (9/13)

Recommended landing areas are marked on the Timber Sale Map with the letter "L". These locations are recommendations only. All landing locations and designs must be authorized by the Unit Manager or his/her representative.

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.



TIMBER SALE MAP

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

Forest Management Unit Gladwin		County Gladwin	Mapped By Scott Shooltz	Date 09/30/2020	Page 1	of 1
Township 18N	Range 02E	Section(s) and Subdivision(s) Sections: 27, 28, 33 & 34 Subdivisions: Various		Scale 1:15,840		

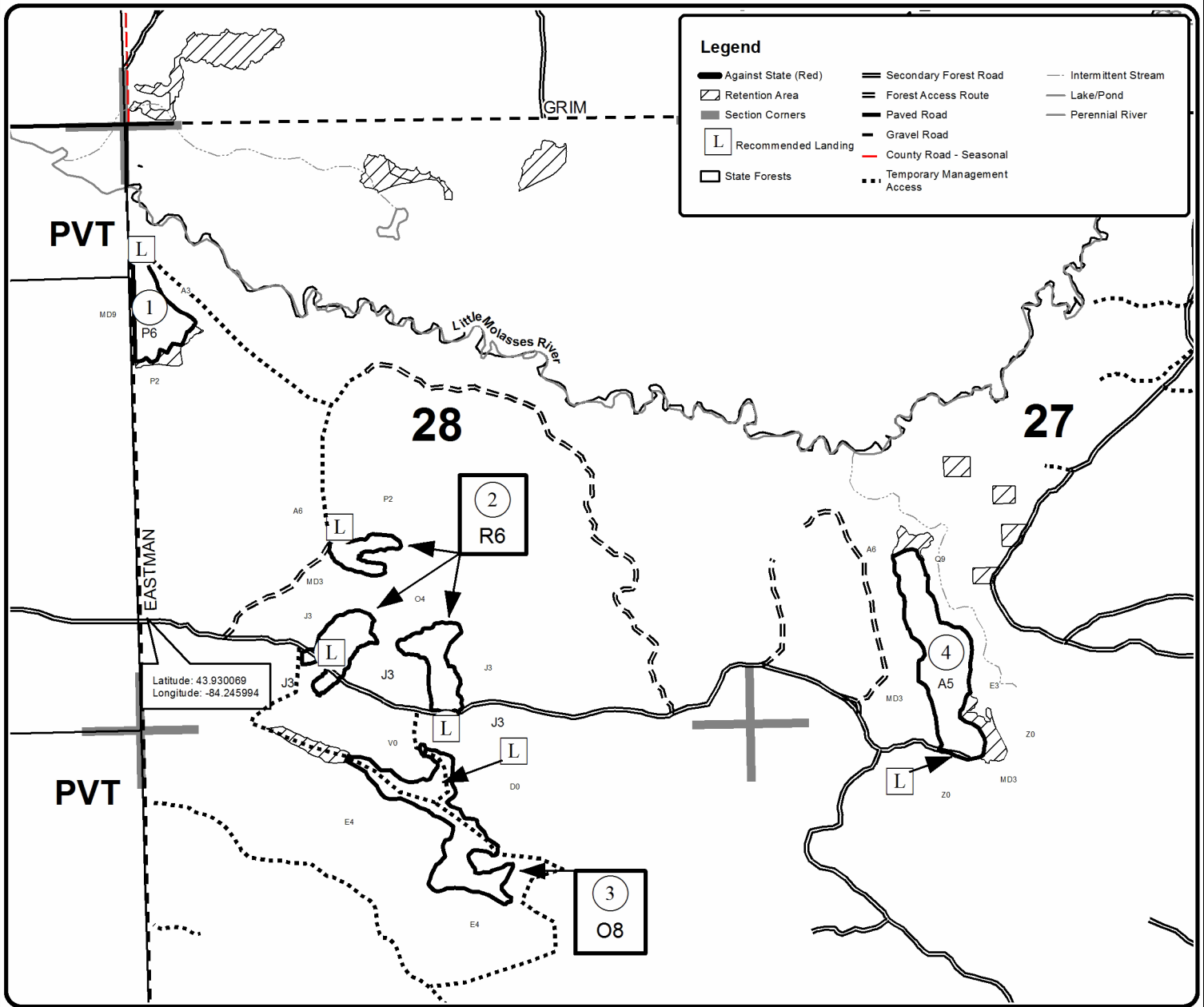
Cover Type				Density			
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium		
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well		
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling 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					

PU	Acres	PU	Acres
1	6	4	13.5
2	12.8		
3	11.6		

Eastman Mix

Compartment 75

43.9 Acres



Latitude: 43.930069
Longitude: -84.245994

