



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7238**

**SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on June 22, 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:

Wirtz 30 (73-006-22) / T19N, R01E, SEC. 16, SESW, S1/2SE.

T19N, R01E, SEC. 9, NENW, S1/2NW, N1/2SW.

T19N, R01W, SEC. 1, NW, NWNE, S1/2NE, NESE, S1/2SE.

T19N, R01W, SEC. 12, N1/2NE, SENE.

T20N, R01W, SEC. 35, SESE.

T20N, R01W, SEC. 36, SWSW.

Gladwin County, Advertised Price \$132,051.25, 164.0 Acres, Aspen, Hardwood.

**SALE NOTE:** Many of the units have wet areas and are restricted to dry or frozen conditions. Access to unit 8 is through a gate that will need to be locked at the end of each work day.

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

Wirtz 30 (73-006-22)

T19N, R01E, SEC. 16; T19N, R01E, SEC. 9; T19N, R01W, SEC. 1; T19N, R01W, SEC. 12; T20N, R01W, SEC. 35; T20N, R01W, SEC. 36  
Gladwin County (Advertised Price \$132,051.25)

**SALE NOTE:** Many of the units have wet areas and are restricted to dry or frozen conditions. Access to unit 8 is through a gate that will need to be locked at the end of each work day.

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/Red (Hybrid) Oak	8.2 MBF	\$ 79.00 / MBF
Mixed Aspen	188.4 MBF	\$ 78.00 / MBF
Red Maple	145.0 MBF	\$ 60.00 / MBF
Red Oak	20.5 MBF	\$ 150.00 / MBF
Red Pine	64.4 MBF	\$ 113.00 / MBF
White Pine	220.8 MBF	\$ 68.00 / MBF
Pulpwood		
Jack Pine	41 Cords	\$ 25.15 / Cord
Mixed Aspen	1,394 Cords	\$ 32.95 / Cord
Mixed Hardwood	920 Cords	\$ 19.80 / Cord
Mixed Oak	104 Cords	\$ 16.45 / Cord
Red Pine	126 Cords	\$ 50.70 / Cord
White Pine	308 Cords	\$ 30.40 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 9.02 percent. There are an estimated 4,402 cords on this timber sale, plus or minus 397 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 \$6,602.56 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	12.4%
02	11.4%
03	4.9%
04	13.8%
05	5.7%
06	5.9%
07	4.8%
08	12.0%
09	3.2%
10	7.9%
11	16.3%
12	1.7%

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
347,748	4,402	9.02%	4,005	4,799

### 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
6	41,946	531	14.15%	456	606
8	40,062	507	31.33%	348	666
12	17,959	227	23.75%	173	281
18	42,827	542	19.97%	434	650
19	23,273	295	51.31%	143	446
24	17,470	221	36.13%	141	301
27	9,736	123	71.77%	35	212
30	11,478	145	71.77%	41	250
35	10,965	139	46.69%	74	204
38	29,752	377	22.45%	292	461
258	11,908	151	32.92%	101	200
259	25,927	328	38.85%	201	456
291	59,147	749	25.39%	559	939
293	5,299	67	109.61%	6	141
<b>TOTAL:</b>	<b>347,748</b>	<b>4,402</b>		<b>2,992</b>	<b>5,812</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
6	15.0	1	15.0
8	13.8	2	13.8
12	5.9	3	5.9
18	15.6	4	15.6
19	9.2	5	9.2
24	10.6	6	10.6
27	4.8	7	4.8
30	5.4	7	5.4
35	6.0	9	6.0
38	15.0	10	15.0
258	5.1	8	5.1
259	26.2	8	26.2
291	25.2	11	25.2
293	6.2	12	6.2
TOTAL:	164.0		164.0

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black/Red (Hybrid	Sawtimber	8.2	MBF	15.0	\$16,410.20
	Mixed Aspen		17.5	MBF		
	<i>B. T. Aspen</i>		16.4	<i>MBF</i>		
	<i>Quaking Aspen</i>		1.1	<i>MBF</i>		
	Red Maple		1.5	MBF		
	White Pine	Pulpwood	70.3	MBF		
	Mixed Aspen		200	Cords		
	<i>B. T. Aspen</i>		196	<i>Cords</i>		
	<i>Quaking Aspen</i>		4	<i>Cords</i>		
	Mixed Hardwood		3	Cords		
	<i>Red Maple</i>		3	<i>Cords</i>		
	Mixed Oak		16	Cords		
	<i>/Red (Hybrid) Oak</i>		16	<i>Cords</i>		
	White Pine		86	Cords		
2	Mixed Aspen	Sawtimber	12.5	MBF	13.8	\$14,991.10
	<i>B. T. Aspen</i>		12.5	<i>MBF</i>		
	Red Maple	Pulpwood	4.0	MBF		
	Mixed Aspen		358	Cords		
	<i>B. T. Aspen</i>		342	<i>Cords</i>		
	<i>Quaking Aspen</i>		16	<i>Cords</i>		
	Mixed Hardwood		100	Cords		
	<i>Red Maple</i>		100	<i>Cords</i>		
3	Red Maple	Sawtimber	3.5	MBF	5.9	\$6,517.90
	White Pine		25.7	MBF		
	Mixed Aspen	Pulpwood	106	Cords		
	<i>B. T. Aspen</i>		37	<i>Cords</i>		
	<i>Quaking Aspen</i>		69	<i>Cords</i>		
	Mixed Hardwood		14	Cords		
	<i>Red Maple</i>		14	<i>Cords</i>		
	White Pine		26	Cords		
4	Mixed Aspen	Sawtimber	41.0	MBF	15.6	\$18,194.05
	<i>B. T. Aspen</i>		41.0	<i>MBF</i>		
	Red Maple	Pulpwood	4.6	MBF		
	Red Pine		2.8	MBF		
	White Pine		4.8	MBF		
	Mixed Aspen		377	Cords		
	<i>B. T. Aspen</i>		344	<i>Cords</i>		
	<i>Quaking Aspen</i>		33	<i>Cords</i>		
	Mixed Hardwood		58	Cords		
	<i>Red Maple</i>		58	<i>Cords</i>		
	Red Pine		1	Cords		
	White Pine		15	Cords		
5	Mixed Aspen	Sawtimber	23.7	MBF	9.2	\$7,587.85
	<i>B. T. Aspen</i>		9.5	<i>MBF</i>		
	<i>Quaking Aspen</i>		14.2	<i>MBF</i>		
	Red Maple	Pulpwood	6.7	MBF		
	White Pine		3.4	MBF		
	Mixed Aspen		127	Cords		
	<i>B. T. Aspen</i>		29	<i>Cords</i>		
	<i>Quaking Aspen</i>		98	<i>Cords</i>		
	Mixed Hardwood		45	Cords		
	<i>Black Cherry</i>		8	<i>Cords</i>		
	<i>Red Maple</i>		37	<i>Cords</i>		
	White Pine		1	Cords		
6	Mixed Aspen	Sawtimber	24.5	MBF	10.6	\$7,746.40

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
6 con't	<i>B. T. Aspen</i>	<i>Sawtimber</i>	24.5	<i>MBF</i>		
	Red Maple	Pulpwood	0.7	MBF		
	White Pine		2.3	MBF		
	Mixed Aspen		152	Cords		
	<i>B. T. Aspen</i>		151	<i>Cords</i>		
	<i>Quaking Aspen</i>		1	<i>Cords</i>		
	Mixed Hardwood		21	Cords		
	<i>Paper Birch</i>		4	<i>Cords</i>		
	<i>Red Maple</i>		17	<i>Cords</i>		
	White Pine		7	Cords		
7	Mixed Aspen	Sawtimber	2.6	MBF	10.2	\$6,285.50
	<i>B. T. Aspen</i>	Pulpwood	2.6	<i>MBF</i>		
	Red Maple		38.9	MBF		
	White Pine		10.4	MBF		
	Mixed Aspen		2	Cords		
	<i>B. T. Aspen</i>		2	<i>Cords</i>		
	Mixed Hardwood		138	Cords		
	<i>Paper Birch</i>	<i>Sawtimber</i>	0.9	<i>MBF</i>		
	<i>Black Cherry</i>	<i>Pulpwood</i>	5	<i>Cords</i>		
	<i>Paper Birch</i>		4	<i>Cords</i>		
	<i>Red Maple</i>		127	<i>Cords</i>		
	White Pine		8	Cords		
8	Red Maple	Sawtimber	21.9	MBF	31.3	\$15,909.45
	Red Pine	Pulpwood	30.6	MBF		
	White Pine		61.1	MBF		
	Mixed Aspen		3	Cords		
	<i>B. T. Aspen</i>		3	<i>Cords</i>		
	Mixed Hardwood		83	Cords		
	<i>Paper Birch</i>	<i>Sawtimber</i>	1.0	<i>MBF</i>		
	<i>Paper Birch</i>	<i>Pulpwood</i>	1	<i>Cords</i>		
	<i>Red Maple</i>		80	<i>Cords</i>		
	Red Pine		50	Cords		
	White Pine		89	Cords		
9	Red Maple	Sawtimber	3.4	MBF	6.0	\$4,248.05
	Red Pine	Pulpwood	8.4	MBF		
	White Pine		8.6	MBF		
	Jack Pine		41	Cords		
	Mixed Hardwood		24	Cords		
	<i>Paper Birch</i>		5	<i>Cords</i>		
	<i>Red Maple</i>		19	<i>Cords</i>		
	Red Pine		15	Cords		
	White Pine		8	Cords		
10	Mixed Aspen	Sawtimber	26.7	MBF	15.0	\$10,488.60
	<i>Quaking Aspen</i>	Pulpwood	26.7	<i>MBF</i>		
	Red Maple		23.1	MBF		
	White Pine		30.0	MBF		
	Mixed Aspen		32	Cords		
	<i>Quaking Aspen</i>		32	<i>Cords</i>		
	Mixed Hardwood		100	Cords		
	<i>Paper Birch</i>	<i>Sawtimber</i>	2.7	<i>MBF</i>		
	<i>Paper Birch</i>	<i>Pulpwood</i>	5	<i>Cords</i>		
	<i>Red Maple</i>		89	<i>Cords</i>		
	<i>Rock Elm</i>		1	<i>Cords</i>		
	White Pine		64	Cords		
11	Mixed Aspen	Sawtimber	23.6	MBF	25.2	\$21,445.30

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
11 cont	<i>B. T. Aspen</i>	<i>Sawtimber</i>	15.1	<i>MBF</i>		
	<i>Quaking Aspen</i>		8.5	<i>MBF</i>		
	Red Maple		35.5	MBF		
	Red Oak		20.5	MBF		
	Red Pine		22.6	MBF		
	White Pine		4.2	MBF		
	Mixed Aspen	Pulpwood	18	Cords		
	<i>B. T. Aspen</i>		9	<i>Cords</i>		
	<i>Quaking Aspen</i>		9	<i>Cords</i>		
	Mixed Hardwood		321	Cords		
	<i>Paper Birch</i>	<i>Sawtimber</i>	4.0	<i>MBF</i>		
	<i>Paper Birch</i>	<i>Pulpwood</i>	23	<i>Cords</i>		
	<i>Red Maple</i>		290	<i>Cords</i>		
	Mixed Oak		88	Cords		
	<i>Red Oak</i>		88	<i>Cords</i>		
	Red Pine		60	Cords		
	White Pine		4	Cords		
12	Mixed Aspen	Sawtimber	16.3	MBF	6.2	\$2,226.85
	<i>Quaking Aspen</i>		16.3	<i>MBF</i>		
	Red Maple		1.2	MBF		
	Mixed Aspen	Pulpwood	19	Cords		
	<i>Quaking Aspen</i>		19	<i>Cords</i>		
	Mixed Hardwood		13	Cords		
	<i>Paper Birch</i>	<i>Sawtimber</i>	1.5	<i>MBF</i>		
	<i>Paper Birch</i>	<i>Pulpwood</i>	3	<i>Cords</i>		
	<i>Red Maple</i>		7	<i>Cords</i>		
TOTAL:			647.3	MBF		
TOTAL:			2,893	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Wirtz 30**

**Sale Number: 73-006-22 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, 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 boundaries are marked with yellow paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. Yellow painted trees designating an interior 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, 3, 4, 5, and 11, cut all trees that are two (2) inches or more at DBH except do not cut trees marked with green paint above and below stump height. In addition, do not cut any pines that are greater than 26 inches at DBH.

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

Within Payment Unit(s) 8 and 10, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

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

Within Payment Unit(s) 6, 7, and 9, all hardwood trees are designated for cutting that are two (2) inches at DBH regardless of merchantability. In addition, cut all trees marked with orange paint above and below stump height regardless of merchantability.

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

Within Payment Unit(s) 12, all species/ trees with DBH equal to or greater than 6 inches which meet minimum piece specifications in 2.2 Utilization, are designated for cutting except do not harvest conifer or trees marked with green paint above and below stump height.

##### **2.1.16 - Timber along county or forest roads (6/14)**

Cut and remove all trees that are Two (2) inches or more at DBH between the yellow painted trees and M-30 and Second Dam road. This applies to units 10 and 12.

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

Within units 6, 7, 8, 9, 10, and 12, if more than 25% of the undesignated 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

##### 4.1.7 - 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. Stumps and brush must be placed along the trail to rendered them impassable to cars and trucks.

#### 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.

#### 4.4 - Access

##### 4.4.3 - Access gate (12/08)

The access gate into unit 8 must be locked at the completion of each day unless otherwise approved by the Unit Manager or his/her representative.

### 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

###### 5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 2, 3, 4, 5, 7, 8, 9, 10, and 11, unless changed by written agreement, cutting, skidding, and hauling are limited to dry or frozen conditions between 07/15 to 03/31 This restriction is because the soils are seasonably wet and prone to rutting.

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

Within Payment Unit(s) 6, 7, 8, 9, 10, and 12, 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.

###### 5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Unit(s) 7, 8, and 10 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.

###### 5.2.3.6 - 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, 2, 3, 4, 5, and 11 leave one 12" or larger diameter whole tree on the ground for every 3 acres. Trees should 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.

#### 5.2.40 - Pathway protection (10/10)

The Midland to Mackinac is a hiking, trail and is shown on the Timber Sale Map. Do not cut trees or damage posts with blue pathway markers. Maintain a 10-foot wide slash, debris, and rut free zone daily, using the pathway as the centerline.

### 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 M-30 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

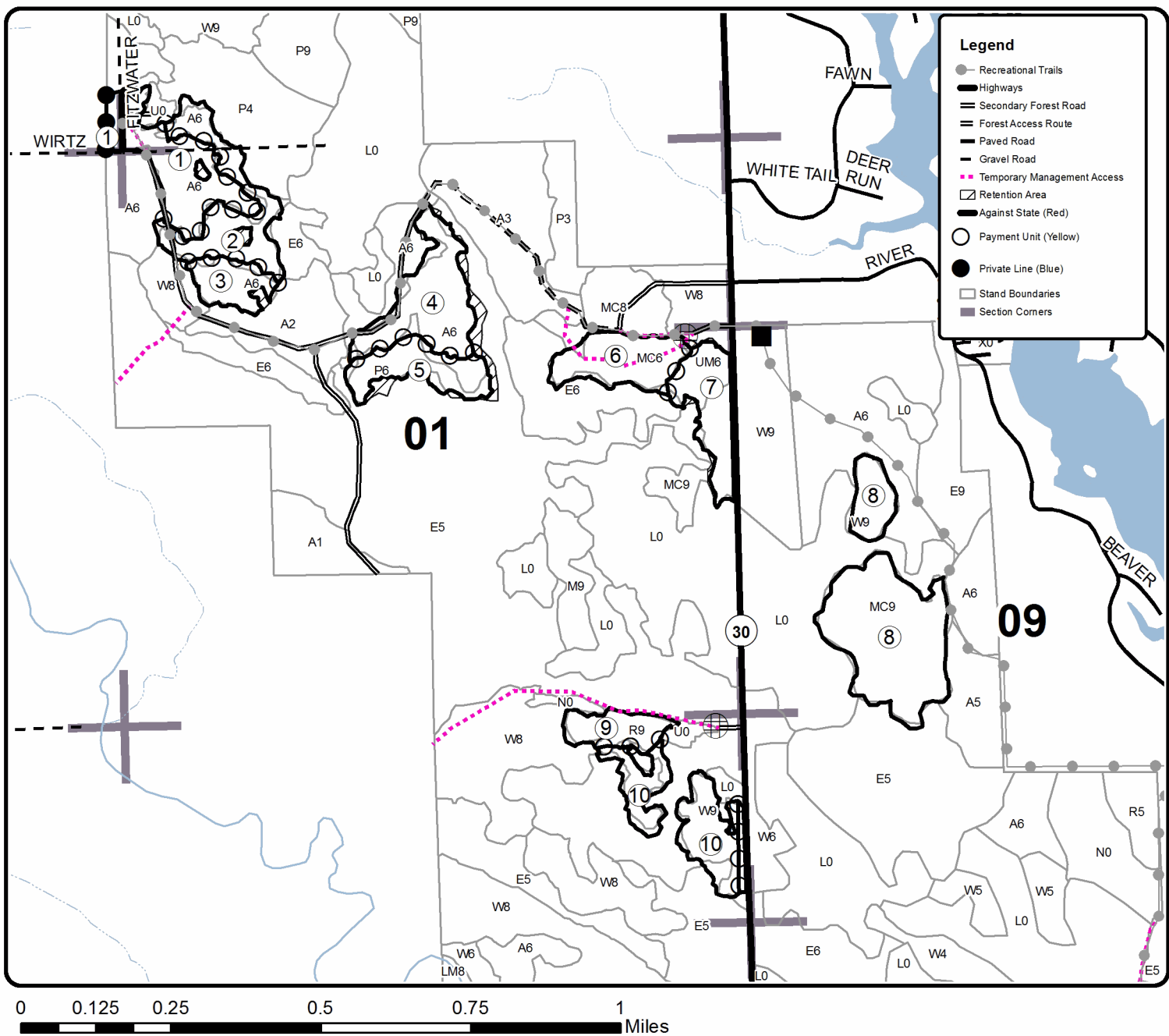
*This information provided by authority of Part 525, 1994 PA 451, as amended.*

Forest Management Unit		County	Mapped By	Steven Nyhoff	Date	Page	of
Gladwin Management Unit		Gladwin	Cruised By	Shooltz, Nyhoff			
Township	Range	Section(s) and Subdivision(s)			Scale		
19 & 20N	1E & 1W	Various			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	PU	Acres
1	15.4	5	9.2	9	6.0
2	13.8	6	10.6	10	15.0
3	5.9	7	10.2	11	6.7
4	15.8	8	31.3	12	25.4

**Wirtz 30**  
**Compartment 36**  
**165.3 Acres**



**TIMBER SALE MAP***This information provided by authority of Part 525, 1994 PA 451, as amended.*

Sale Number	Year
73 - 006	22

Forest Management Unit Gladwin Management Unit	County Gladwin	Mapped By Steven Nyhoff	Date 09/30/2022	Page 2	of 2
Township 19 & 20N	Range 1E & 1W	Section(s) and Subdivision(s) 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	PU	Acres
1	15.4	5	9.2	9	6.0
2	13.8	6	10.6	10	15.0
3	5.9	7	10.2	11	6.7
4	15.8	8	31.3	12	25.4

**Wirtz 30**  
**Compartment 36**  
**165.3 Acres**

