



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6466

SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on June 27, 2019.

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:

Bernaltes Wald Mix (73-006-18) / T14N, R02W, SEC. 10, S1/2NW,SENE,NESE.

T14N, R02W, SEC. 11, NENW,S1/2NW,NE,N1/2SW,NWSE.

T14N, R02W, SEC. 2 , NENW,S1/2NW,W1/2NE,NESW.

T14N, R02W, SEC. 2 , S1/2SW,NWSE.

T14N, R02W, SEC. 3 , E1/2NE,SE.

T15N, R02W, SEC. 35, SESW,SWSE.

Midland County, Advertised Price \$103,831.95, 323.2 Acres, Aspen, Hardwood.

SALE NOTE: Three new culvert installations are required to access this sale. Seasonal restrictions apply to this sale. See specs 5.2.3.1 and 5.2.3.4.

TIMBER SALE INFORMATION

Bemaltes Wald Mix (73-006-18)

T14N, R02W, SEC. 10; T14N, R02W, SEC. 11; T14N, R02W, SEC. 2; T14N, R02W, SEC. 3; T15N, R02W, SEC. 35.

Midland County (Advertised Price \$103,831.95)

SALE NOTE: Three new culvert installations are required to access this sale. Seasonal restrictions apply to this sale. See specs 5.2.3.1 and 5.2.3.4.

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. Bids must be at or above the following advertised price for each species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>		<u>ADVERTISED PRICE</u>
Sawtimber			
Mixed Aspen	181.70	MBF	\$ 42.00 / MBF
Mixed Oak	204.60	MBF	\$ 85.00 / MBF
Paper Birch	8.20	MBF	\$ 47.00 / MBF
Red Maple	245.20	MBF	\$ 46.00 / MBF
Red Oak	8.10	MBF	\$ 293.00 / MBF
White Oak	18.40	MBF	\$ 101.00 / MBF
Pulpwood			
Mixed Aspen	1,810.00	Cords	\$ 17.05 / Cord
Mixed Hardwood	181.00	Cords	\$ 12.55 / Cord
Mixed Oak	885.00	Cords	\$ 13.50 / Cord
Red Maple	1,414.00	Cords	\$ 12.55 / Cord
White Pine	8.00	Cords	\$ 11.00 / Cord

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$5,191.60 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.
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2022.

Description of Timber by Payment Unit (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	13.6	MBF	12.0	\$6,851.40
	<i>B. T. Aspen</i>		13.6	<i>MBF</i>		
	Mixed Oak		12.8	MBF		
	<i>Bl/R/Hybrid Oak</i>		12.8	<i>MBF</i>		
	Red Maple		22.6	MBF		
	Red Oak		4.1	MBF		
	White Oak		1.0	MBF		
	Mixed Aspen	Pulpwood	33.0	Cords		
	<i>B. T. Aspen</i>		33.0	<i>Cords</i>		
	Mixed Hardwood		12.0	Cords		
	<i>Misc. Species 1</i>		12.0	<i>Cords</i>		
	Mixed Oak		83.0	Cords		
	<i>Bl/R/Hybrid Oak</i>		75.0	<i>Cords</i>		
	<i>Red Oak</i>		6.0	<i>Cords</i>		
	<i>White Oak</i>		2.0	<i>Cords</i>		
	Red Maple		81.0	Cords		
2	Mixed Aspen	Sawtimber	23.8	MBF	50.0	\$13,493.85
	<i>B. T. Aspen</i>		23.8	<i>MBF</i>		
	Mixed Oak		3.1	MBF		
	<i>Northern Pin Oak</i>		3.1	<i>MBF</i>		
	Paper Birch		5.6	MBF		
	Red Maple		43.1	MBF		
	Mixed Aspen	Pulpwood	291.0	Cords		
	<i>B. T. Aspen</i>		291.0	<i>Cords</i>		
	Mixed Hardwood		58.0	Cords		
	<i>American Elm</i>	<i>Sawtimber</i> <i>Pulpwood</i>	0.6	<i>MBF</i>		
	<i>American Elm</i>		23.0	<i>Cords</i>		
	<i>Paper Birch</i>		34.0	<i>Cords</i>		
	Mixed Oak		30.0	Cords		
	<i>Northern Pin Oak</i>		30.0	<i>Cords</i>		
	Red Maple		310.0	Cords		
3	Mixed Aspen	Sawtimber	8.8	MBF	18.9	\$4,450.80
	<i>B. T. Aspen</i>		7.4	<i>MBF</i>		
	<i>Quaking Aspen</i>		1.4	<i>MBF</i>		
	Mixed Oak		6.6	MBF		
	<i>Northern Pin Oak</i>		6.6	<i>MBF</i>		
	Red Maple		27.2	MBF		
	Mixed Aspen	Pulpwood	7.0	Cords		
	<i>B. T. Aspen</i>		5.0	<i>Cords</i>		
	<i>Quaking Aspen</i>		2.0	<i>Cords</i>		
	Mixed Hardwood		9.0	Cords		
	<i>Misc. Species 1</i>		1.0	<i>Cords</i>		
	<i>Paper Birch</i>		8.0	<i>Cords</i>		
	Mixed Oak		17.0	Cords		
	<i>Northern Pin Oak</i>		17.0	<i>Cords</i>		
	Red Maple		144.0	Cords		
4	Mixed Aspen	Sawtimber	2.1	MBF	18.2	\$4,525.80
	<i>B. T. Aspen</i>		2.1	<i>MBF</i>		
	Mixed Oak		3.2	MBF		
	<i>Northern Pin Oak</i>		3.2	<i>MBF</i>		
	Red Maple	Pulpwood	8.6	MBF		
	White Oak		0.7	MBF		
	Mixed Aspen		132.0	Cords		
	<i>B. T. Aspen</i>		132.0	<i>Cords</i>		
	Mixed Hardwood		24.0	Cords		

Description of Timber by Payment Unit (PU), con't

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
4 con't	<i>American Elm</i>	<i>Pulpwood</i>	6.0	<i>Cords</i>		
	<i>Paper Birch</i>		18.0	<i>Cords</i>		
	Mixed Oak		32.0	<i>Cords</i>		
	<i>Northern Pin Oak</i>		27.0	<i>Cords</i>		
	<i>White Oak</i>		5.0	<i>Cords</i>		
	Red Maple		50.0	<i>Cords</i>		
	White Pine		8.0	<i>Cords</i>		
	<i>White Pine</i>	<i>Sawtimber</i>	0.5	<i>MBF</i>		
	<i>White Pine</i>	<i>Pulpwood</i>	7.0	<i>Cords</i>		
5	Mixed Aspen	Sawtimber	14.8	MBF	41.5	\$11,417.30
	<i>B. T. Aspen</i>		14.8	<i>MBF</i>		
	Mixed Oak		18.1	MBF		
	<i>Northern Pin Oak</i>		18.1	<i>MBF</i>		
	Red Maple		0.7	MBF		
	White Oak		6.4	MBF		
	Mixed Aspen	Pulpwood	338.0	<i>Cords</i>		
	<i>B. T. Aspen</i>		326.0	<i>Cords</i>		
	<i>Quaking Aspen</i>		12.0	<i>Cords</i>		
	Mixed Hardwood		22.0	<i>Cords</i>		
	<i>Paper Birch</i>		22.0	<i>Cords</i>		
	Mixed Oak		84.0	<i>Cords</i>		
	<i>Northern Pin Oak</i>		66.0	<i>Cords</i>		
	<i>White Oak</i>		18.0	<i>Cords</i>		
	Red Maple		112.0	<i>Cords</i>		
	Mixed Aspen	Sawtimber	33.5	MBF	72.6	\$22,369.00
	<i>B. T. Aspen</i>		33.5	<i>MBF</i>		
	Mixed Oak		29.9	MBF		
	<i>Northern Pin Oak</i>		29.9	<i>MBF</i>		
	Red Maple		9.7	MBF		
	White Oak		2.8	MBF		
	Mixed Aspen	Pulpwood	826.0	<i>Cords</i>		
	<i>B. T. Aspen</i>		826.0	<i>Cords</i>		
	Mixed Hardwood		5.0	<i>Cords</i>		
	<i>Paper Birch</i>		5.0	<i>Cords</i>		
	Mixed Oak		152.0	<i>Cords</i>		
	<i>Northern Pin Oak</i>		140.0	<i>Cords</i>		
	<i>White Oak</i>		12.0	<i>Cords</i>		
	Red Maple		119.0	<i>Cords</i>		
7	Mixed Aspen	Sawtimber	63.1	MBF	82.5	\$30,481.80
	<i>B. T. Aspen</i>		61.8	<i>MBF</i>		
	<i>Quaking Aspen</i>		1.3	<i>MBF</i>		
	Mixed Oak		111.6	MBF		
	<i>Northern Pin Oak</i>		111.6	<i>MBF</i>		
	Paper Birch		1.5	MBF		
	Red Maple		74.0	MBF		
	Red Oak		2.9	MBF		
	White Oak		7.5	MBF		
	Mixed Aspen	Pulpwood	152.0	<i>Cords</i>		
	<i>B. T. Aspen</i>		132.0	<i>Cords</i>		
	<i>Cottonwood</i>		15.0	<i>Cords</i>		
	<i>Quaking Aspen</i>		5.0	<i>Cords</i>		
	Mixed Hardwood		37.0	<i>Cords</i>		
	<i>Beech</i>	<i>Sawtimber</i>	2.2	<i>MBF</i>		
	<i>Misc. Species 1</i>		0.7	<i>MBF</i>		
	<i>Beech</i>	<i>Pulpwood</i>	10.0	<i>Cords</i>		

Description of Timber by Payment Unit (PU), con't

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
7 con't	Misc. Species 1	Pulpwood	9.0	Cords			
	Paper Birch		13.0	Cords			
	Mixed Oak		441.0	Cords			
	Northern Pin Oak		384.0	Cords			
	Red Oak		12.0	Cords			
	White Oak		45.0	Cords			
	Red Maple		339.0	Cords			
8	Mixed Aspen	Sawtimber	21.5	MBF	17.5	\$7,017.80	
	B. T. Aspen		21.1	MBF			
	Quaking Aspen		0.4	MBF			
	Mixed Oak		14.7	MBF			
	Northern Pin Oak		14.7	MBF			
	Paper Birch		0.5	MBF			
	Red Maple		34.3	MBF			
	Red Oak	0.5	MBF				
	Mixed Aspen	Pulpwood	30.0	Cords			
	B. T. Aspen		29.0	Cords			
	Quaking Aspen		1.0	Cords			
	Mixed Hardwood		10.0	Cords			
	Misc. Species 1		0.4	MBF			
	Misc. Species 1		2.0	Cords			
	Paper Birch		7.0	Cords			
	Mixed Oak		35.0	Cords			
	Northern Pin Oak		33.0	Cords			
	White Oak		2.0	Cords			
	Red Maple		160.0	Cords			
	9		Mixed Aspen	Sawtimber			0.5
Quaking Aspen			0.5		MBF		
Mixed Oak		4.6	MBF				
Northern Pin Oak		4.6	MBF				
Paper Birch		0.6	MBF				
Red Maple		25.0	MBF				
Red Oak		0.6	MBF				
Mixed Aspen		Pulpwood	1.0	Cords			
Quaking Aspen			1.0	Cords			
Mixed Hardwood			4.0	Cords			
Misc. Species 1			0.4	MBF			
Misc. Species 1			3.0	Cords			
Mixed Oak		11.0	Cords				
Northern Pin Oak		11.0	Cords				
Red Maple		99.0	Cords				
TOTAL:			666.2	MBF			
TOTAL:			4,298.0	Cords			

Sale Specific Conditions & Requirements

Sale Name: Bemaltes Wald Mix

Sale Number: 73-006-18 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (1/14)

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 Payment Unit boundaries are marked with yellow paint. The painted boundary line trees are not Included Timber and are to be protected. 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, 4, 5 & 6, 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, within Payment Unit 6, do not cut any red pine, white pine or hemlock.

2.1.7 - Leave tree marked unit(s) (6/14)

Within Payment Unit(s) 2, 3, 7, 8 & 9, 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, within Payment Unit 7, do not cut any hemlock.

2.1.11 - Description of timber note (2/04)

Note that Misc. Species 1 = black tupelo.

2.2 - Utilization

2.2.10 - No chipping tops and limbs (8/16)

Within Payment Unit(s) 2, 3, 8, and 9, unless changed by written agreement, chipping of limbs or tops is not permitted. Limbs and the remaining top must be left on site and scattered.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 2, 5, 6 & 7 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 Supplement.

3.4 - Damaged Timber

3.4.1 - Damaged timber (6/14)

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 merchantable trees. Within the sale area, 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

4.1.5 - Culverts (5/14)

Roads will require the installation of culverts for cross drainage or at natural drainage-ways. Culvert placements will be specified by the sale administrator and they shall be installed prior to hauling. The culverts shall be new, corrugated metal or plastic gauge. Culverts will be a minimum of 24 inches in diameter and 24 feet in length. If culverts are removed, fill shall be

removed from wetland soils as specified. Soils shall be maintained and left in a non-erodible condition, with water bars, seed, fertilizer, mulch, and slash installed as directed by the sale administrator and as specified in the BMP manual. Stream crossing permits, if needed, will be obtained by the DNR.

4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.8 - Road work (1) (8/07)

The following road work is required: The Purchaser is required to install three culverts at locations shown on the Timber Sale Map. In addition, identified haul routes must be filled and leveled utilizing on-site fill.

4.1.10 - Oversight (12/08)

The Unit Manager, or his/her representative, must be present when the road improvement project is initiated.

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

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 2, 3, 4, 5, 8 & 9, unless changed by written agreement, cutting, skidding, and hauling are limited to the period of June 15 to October 15. This restriction is because of seasonally saturated soils.

5.2.3.4 - Oak wilt restriction, no exceptions (1/18)

Within Payment Unit(s) 2, 3, 7, 8 & 9, cutting, skidding, hauling and brushing of access roads within the Payment Unit 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.

5.2.4 - 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) 4, 5 & 6, leave one, 12" or larger diameter whole tree on the ground for every 3 acres. Scatter trees throughout the sale at least two chains from any road, two-track, or trail open to vehicles, or positioned per the sale administrators instructions. Stumps must be at least 3 feet tall.

5.2.17 - Timber Mats and Interlocking Composite Mats (3/18)

Some roads or skid trails may require extra protection such as that afforded by timber mats, interlocking composite mats, or another approved system. Approximately 400 feet of road or trail will need extra protection at locations shown on the Timber Sale Map. If available, mats may be borrowed from the DNR. A Timber Sale Contract Supplement will be used to document the Purchaser's use of the DNR's mats. Contact the sale administrator regarding availability and pick-up. Timber mats are available from various field offices. Composite mats are only available from the Grayling field office. The Purchaser is responsible for picking up and hauling the mats to and from the site. The composite mats will require DNR staff onsite for installation and removal. Contact the sale administrator to schedule at least 30 days before desired install/removal date. All mats must be cleaned prior to drop off. This may include, but is not limited to, power washing and brushing to remove mud

and debris. A charge of \$400.00 per timber mat and \$2,000.00 per composite mat will be assessed for all damaged or non-returned mats. Damage for the crane/timber mats is defined as three or more broken cants. Damage for the composite mats is defined as cracked or broken mats.

5.2.31 - Landing locations (9/13)

Landing areas are marked on the Timber Sale Map with the letter "L". Landings must be confined to these designated sites unless otherwise authorized by the Unit Manager or his/her representative.

**TIMBER SALE MAP**

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

Sale Number	Year
73-006	18

Forest Management Unit	County	Mapped By	Date	Page	of
Gladwin	Midland	Shooltz	09/30/2018	1	2
Township	Range	Section(s) and Subdivision(s)	Scale		
14N/15N	02W	Sections: 2, 3, 10, 11 & 35 Subdivisions: Various	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

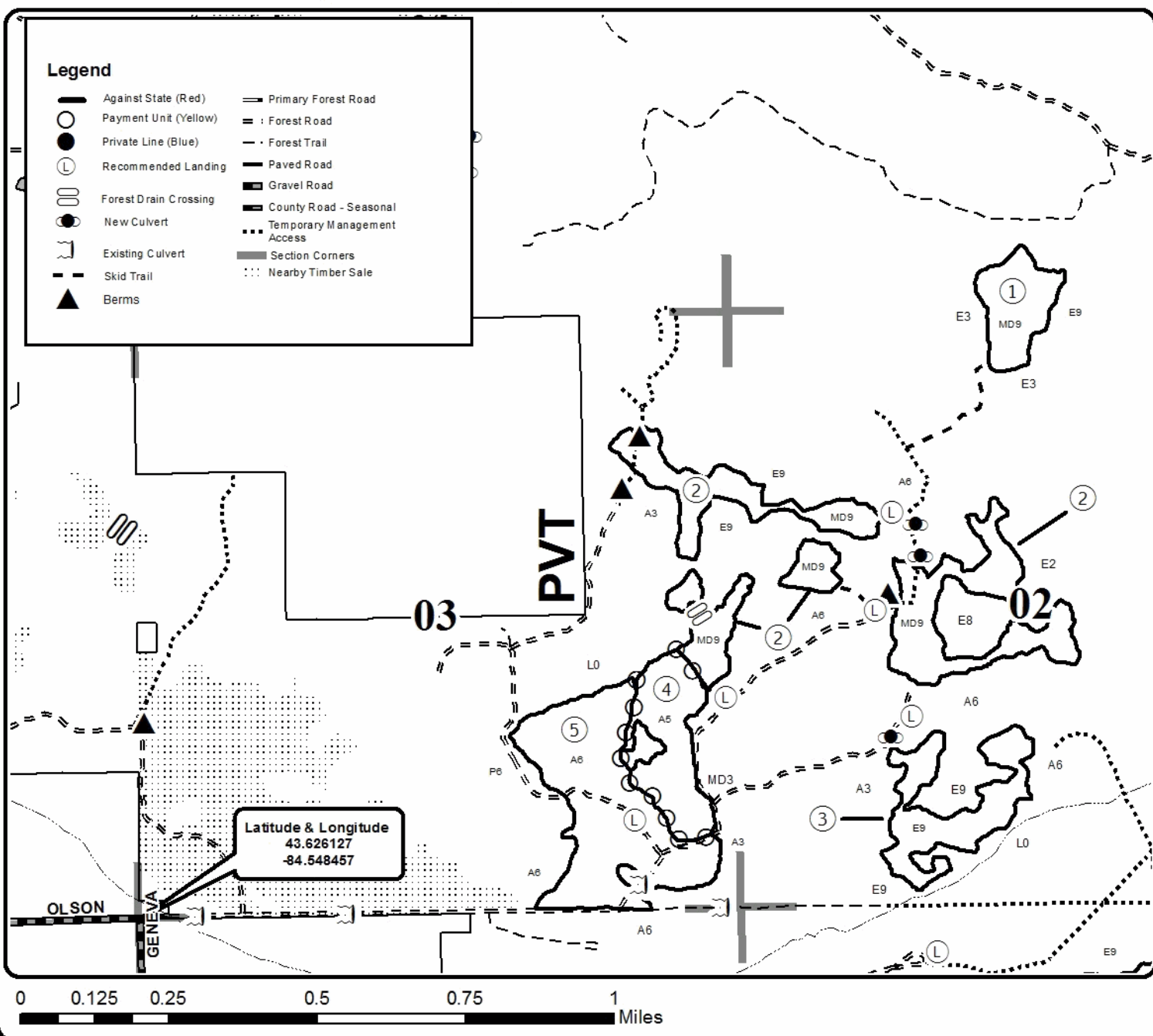
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

PU	Acres	PU	Acres	PU	Acres
1	12.0	4	18.2	7	82.5
2	50.0	5	41.5	8	17.5
3	18.9	6	72.6	9	10.0

Bemaltes Wald Mix
Compartment 111
323.2 Acres

**Legend**

- | | |
|-------------------------|-------------------------------|
| — Against State (Red) | — Primary Forest Road |
| ○ Payment Unit (Yellow) | — Forest Road |
| ● Private Line (Blue) | — Forest Trail |
| ○ Recommended Landing | — Paved Road |
| — Forest Drain Crossing | — Gravel Road |
| ● New Culvert | — County Road - Seasonal |
| — Existing Culvert | — Temporary Management Access |
| — Skid Trail | — Section Corners |
| ▲ Berms | — Nearby Timber Sale |



**TIMBER SALE MAP**

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

Sale Number	Year
73-006	18

Forest Management Unit Gladwin	County Midland	Mapped By Shooltz	Date 09/30/2018	Page 2	of 2
Township 14N/15N	Range 02W	Section(s) and Subdivision(s) Sections: 2, 3, 10, 11 & 35 Subdivisions: Various	Cruised By Shooltz/Martell	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	12.0	4	18.2	7	82.5
2	50.0	5	41.5	8	17.5
3	18.9	6	72.6	9	10.0

Bemaltes Wald Mix
Compartment 111
323.2 Acres

