



**GLADWIN FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT #101 ENTRY YEAR: 2009**

**Compartment Acreage: 1056 County: Midland**

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**Revision Date:** May 2007; October 22, 2007; November 2, 2007

**Stand Examiner:** Amy Jahnke / Tim Gallagher

**DRAFT**

**Legal Description:** T15N R1E Sections 2, 3, 4, & 9  
T16N R1E Sections 33 & 34

**RMU (if applicable):**

**Management Goals:**

Continue to manage this compartment for aspen and swamp hardwoods to maintain a variety of age classes. In future entry years a concentrated effort needs to be made to even out the aspen age class distribution. A changing water table in areas of the compartment has increased the size of some lowland brush types. Several small swamp hardwoods stands adjacent the Weaver Drain and Sturgeon Creek have been included in the waterway corridors and will be managed as buffer strips along the water.

**Soil and Topography:**

The terrain is predominantly flat with gradual slopes undulating across the compartment. The primary soil type is Kingsville loamy fine sand in the flat areas, with Covert, Pipestone and Plainfield sands found on the ridges. These soils are poorly to somewhat poorly drained soils that when wooded desire protection from wind-throw and heavy equipment operation due to the wetness. Management activities should be performed during dry or frozen ground conditions on these soils. There are several low-lying pockets of Kinross mucky sand and Adrian muck peppered throughout.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:**

The surrounding ownership is primarily private, and the compartment contains several private inholdings. A majority of these owners are permanent residents that use the area for hunting and other forms of recreation. There is some illegal dumping going on in this compartment, as well as several trespass violations.

**Unique, Natural Features:**

There are no known occurrences recorded in MNFI database and none located during inventory, though the potential exists for several types of turtles and hawks, osprey, eagle and great blue heron rookery.

**Archeological, Historical, and Cultural Features:**

There is one known site located in this compartment. There is no management activities prescribed that will interfere with this site.

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:**

Priority habitats for this area are to maintain and enhance early successional habitats. Priority species include grouse and deer. There is some waterfowl potential along Hope Drain and Sturgeon Creek. MNFI indicates potential for Blandings, wood, and spotted turtles. In addition potential exists for use by eagle, osprey, goshawk, red-shouldered hawk, and great blue herons. Consideration should be given to maintaining habitat components used by these species.

**Mineral Resource and Development Concerns and/or Restrictions:**

Surface sediments consist of lacustrine (lake) clay, silt, sand and gravel and dune sand. The glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift are the Pennsylvanian Grand River and Saginaw Formations. The Saginaw Formation is used for clay/shale in other areas of the State. This area is predominantly sand, and gravel potential in the compartment is considered limited. The one well Lincoln Field is located in Section 9. The Field produced over 71 BO from the Berea Formation. Sections 4 and 9 have new State oil and gas leases and additional nominations have been received for the November 2007 lease auction.

**Vehicle Access:**

Private inholdings, drains and low, wet ground pose challenges for access to certain areas of the compartment. Primary access to the eastern portion of the compartment is from Bombay and Hope Roads. Access to the western portion is more difficult, via a Consumers Power right-of-way or through private two-tracks.

**Survey Needs:**

Not necessary at this time.

**Recreational Facilities and Opportunities:**

No official facilities. Hunting pressure of deer and grouse is moderate.

**Fire Protection:****Additional Compartment Information:**

\*\*\*\* Cover type details, proposed treatments and stands designated as FDF are listed in the attached reports:

- Cover Type by Age Class**
- Cover Type by Management Objective**
- Compartment Volume Summary**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**

\*\*\*\* The following information is displayed on the attached compartment maps:

- Base feature information, stand numbers, cover types**
- Proposed treatments**
- Proposed road access system**
- Suggested potential old growth**





AUSABLE STATE FOREST

GLADWIN FOREST MGT UNIT

MIDLAND COUNTY

COMPARTMENT: **101**

**Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	9380 Cds	Hardwood	451 Cds
Hardwood	1496 Mbf	Hardwood	26 Mbf
Softwood	19 Mbf	Sum CutVol	503 Cds
Sum TotVol	12410 Cds		
<b>Total Cmpnt Acres</b>		Acres Proposed For Cut.....	34
	1056		

**GLADWIN FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 101    Entry Year: 2009**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>7</b>	<b>A6</b>	9	45	70	aspen (upland)	immature	final harvest	1	natural regeneration	
comnts Fmd : Final harvest and manage for aspen regeneration. Expand sale boundaries where possible into stand 6. Stand deliniation was difficult using current imagery. Stand is expected to be larger than OIPC indicates. Clearcut in 1962. On a ridge adjacent to Hope Drain. Scattered sawlog maple and oak. Follow retention guidelines as they pertain to aspen clearcuts.										
<b>107</b>	<b>A6</b>	25	45	70	aspen (upland)	immature	final harvest	1	natural regeneration	
comnts Fmd : Final harvest and manage for aspen regeneration. Expand sale boundaries where possible into stands 6 and 106. Stand deliniation was difficult using current imagery. Stand is expected to be larger than OIPC indicates. Clearcut in 1962. On a ridge adjacent to Hope Drain. Scattered sawlog maple and oak. Follow retention guidelines as they pertain to aspen clearcuts.										
<b>Total Acres.....</b>		<b>34</b>								

**Proposed Treatments  
With Limiting Factors**

**Compartment: 101**

**Entry Year: 2009**

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<b>Stand</b>	<b>Cover Type</b>	<b>Acres</b>	<b>Age</b>	<b>Site Index</b>	<b>Mgt Obj</b>	<b>Condition</b>	<b>Method Cut</b>	<b>Harvest Priority</b>	<b>Cultural Need</b>	<b>FD Status</b>
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TREATMENT LIMITING FACTORS:

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**Total Acres..... 0**

# Field Map

Compartment 101  
 T15N, R01E, Sec. 2, 3, 4, 9  
 T16N, R01E, Sec. 33, 34  
 County: Midland  
 Unit: Gladwin  
 YOE: 2009  
 Acres: 1,056 GIS Calculated  
 Stand Examiner: Tim Gallagher  
 Map Revised: 10/23/2007  
 Map Phase: Pre-review

**Legend**

-  Miris Corners
-  Gravel Roads
-  Poor Dirt Roads
-  Water Features
-  Stand Boundaries
-  Final Harvest/Natural Regeneration/Other


