



**FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT 72 ENTRY YEAR: 2007

Compartment Acreage: 1165

County: Gladwin

Revision Date: April 15, 2005: May 2005: July 12, 2005, August 19, 2005

Stand Examiner: Steven Nyhoff

Legal Description: T18N R2E, Sections 29 & 30

RMU (if applicable):

Management Goals:

The compartment has been heavily harvested in the past, keeping much of the compartment in early secessional ecosystems, mainly aspen. The area also has large areas of low wet ground that are in lowland brush and swamp hardwood. Manage the compartment to maintain current cover types and look for opportunities to increase the oak and conifer components.

Soil and Topography:

The soils are a mix of several soil associations. The dry land in the compartment is mainly Grayling sand and Croswell sand. These soils make up 45% of the compartment. The wetter soils that make up 20% of the compartment are AuGres sand and Iosco loamy sand. The soil with a high water table in the area is Roscommon sand and makes up 25% of the area, the remaining 10% are made up of several different soil associations ranging from very dry (Rubicon) to very wet (Loxley).

The terrain is predominantly flat with some low wet interconnected depressions that often have beaver activity in them. There are also several low ridges and knolls scattered throughout the compartment.

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

The compartment is a contiguous block of state ownership with state lands on the north, east and south sides. There are three 40 acre inclusions of private ownership within the compartment boundaries; they are the SWSW and NENW of section 30, and the NENE of section 29. The private properties in section 30 are permanent residences and the are in section 29 is mainly a hunting property.

Unique, Natural Features (include only non-site specific and non-sensitive information):

No known occurrences in the area and there were none located during the OI process.

Archeological, Historical, and Cultural Features

None known or located during the OI process.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

The area has several interconnected low land areas that are flooded by beavers at times. There are also several minor intermittent creeks but none of them are large enough to have fisheries concerns. In crossing these intermittent creek BMPs will be followed.

Wildlife Habitat Considerations:

Compartment 72 has remained a very popular grouse/woodcock hunting area. Turkey translocation efforts were very successful back in the early 1980s, as this compartment became one of the original stronghold areas for the initial spring turkey hunting seasons that occurred in east Gladwin County. Stands covered by early forest secessional cover types in conjunction with decent age class distributions provide the essential habitat requirements for numerous species. Previous entries mandated aggressive aspen management objectives due to the high degree of over mature stands. Age class distribution will improve, in the future for the above aspen cover type, as 40 – 45 year old stands are prescribed for treatment. In stand diversity, in many of the sites typed as aspen, is actually greater than the designations specified on the treatment map. Adjacent LO and E stands provide attractive escape cover for deer and essential needs for a wide variety of herps and forested avian species (both probable and confirmed). The Northern Goshawk, Broad-winged hawk, Red Shouldered Hawk, Black-Billed Cuckoo, Eastern Screech-owl, Great Horned owl, Barred Owl, Gray Catbird and Common Yellowthroat Warbler are all species that have been confirmed or have a good probability of being observed within this compartment.

ORV problems, within Compartment 72, are not as pronounced within this area.

No maintained openings or Wildlife Div. structures exist within this compartment.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of lacustrine (lake) sand and gravel. The glacial drift thickness varies between 100 and 200 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. This area has had little oil and gas activity. North Buckeye Field is located four miles to the west. The field, discovered in 1936, has produced over 21 MBO from the Devonian Dundee Formation. There are no current State oil and gas leases in the compartment.

Vehicle Access:

Access into the compartment is good from Grim Road, Eastman Road and Fonier Road. The two-tracks in the area are heavily used by hunters and recreational drivers. There is some illegal ORV use in the compartment. It is not extensive at the current time.

Survey Needs:

This area was part of an extensive retracement survey done in the mid to late 90's, so most of the major corners along the section lines are in. Also, some private surveys have taken place so at the current time no survey is needed for this compartment.

Recreational Facilities and Opportunities:

The area is heavily used by hunters and people training and running dogs. Also in the compartment is the Midland to Mackinac Boy Scout Trail which is located in section 29 and is routed on existing two-tracks.

Fire Protection:

The compartment has good access and is not composed of highly flammable tree species. The possibility of fire spread is moderate to well in dry condition on the higher ground. The compartment, as a whole, has a moderated fire hazard because of its location, with major access roads on three sides, and because it is a large contiguous block of state ownership.

Additional Compartment Information:

In the past there was a big problem with trash dumping along the two-tracks, but that has reduced in the past 10 years. The trash piles in the area are, for the most part, old except in stand 28 along the power line where there is a large pile of tires.

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

AUSABLE STATE FOREST

GLADWIN FOREST MGT UNIT

GLADWIN COUNTY

COMPARTMENT: 72

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150-159	All Aged	Total
Aspen			136	128	171	154			47										636
Bog or Marsh	21																		21
Grass	14																		14
Lowlnd Brush	118				35														153
Marsh	1																		1
Oak		45																	45
Red Pine					21														21
Swamp Hrdwds				10	13		29	7	133									61	253
Water	21																		21
Total	175	45	136	138	240	154	29	7	180									61	1165

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Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

COVER TYPE	A	S	V	C	G	H	J	I	L	P	N	Q	X	O	B	R	K	Y	F	E	T	D	U	M	Z	W	Total
A Aspen	636																										636
V Bog or Marsh			21																								21
G Grass					14																						14
L Lowlnd Brush									153																		153
N Marsh											1																1
O Oak														45													45
R Red Pine																21											21
E Swamp Hrdwds																				253							253
Z Water																									21	21	
Total	636		21		14				153		1			45		21				253					21	1165	

AUSABLE STATE FOREST

GLADWIN FOREST MGT UNIT

GLADWIN COUNTY

COMPARTMENT: **72**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	6753 Cds	Hardwood	1630 Cds
Hardwood	256 Mbf	Hardwood	30 Mbf
Softwood	385 Cds	Softwood	63 Cds
Softwood	124 Mbf	Softwood	8 Mbf
Sum TotVol	7898 Cds	Sum CutVol	1769 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	189
1165			

GLADWIN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 72

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
11	R6	9	37	64	red pine	immature	thinning	1			
<p>comnts Fmd : The stand is to be thrid row thined and having the hardwood removed. The rows are not very straight but should be harvestable.</p>											
13	A6	30	70	50	aspen (upland)	mature	final harvest	1	natural regeneration		
<p>comnts Fmd : The stand has three main soil types. The dryer soils are Croswell sand and AuGres sand which go around lower areas of Roscommon. So the stand is, for the most part, dry with some areas that are wet. Harvest the stand as a clearcut and mark 1-2 oak per acre for mast, seed, and wildlife trees. The soil in the area has a high water table in the spring so harvest will have to occur in late summer to just before break up. The stand is expected to regenerate to aspen mixed with oak. After the harvest there may be pocket were oak and maybe red maple will be dominate and this will be acceptable.</p>											
30	A5	12	70	45	aspen (upland)	immature	final harvest	2	natural regeneration		
<p>comnts Fmd : Stand is somewhat open with white pine stumps. In the stand the paper birch has gotten established, for the most part, on these stumps. The stand may not regenerate to aspen and birch. If it does not plant or interplant red or jack pine with red pine being prefered.</p>											
37	E6	133	70	55	swamp hardwoods	immature	selection	2	natural regeneration		
<p>comnts Fmd : Stand is a mix of ridges and swales. The cover type is variable going from A6 to E5. Harvest by removeing aspen and birch which are mainly on the dryer ridges and knolls. The stand does have some wet areas as well as some areas that are quite dry. In the wetter areas rutting could be a problem so keep harvest to dry or frozen conditions. This should lead to a mixed stand of swamp hardwood with pocket or ridges of aspen running through it which is the desired state. If the stand only regenerated as a swamp hardwood stand that is also acceptable.</p>											
128	A6	5	70	50	aspen (upland)	mature	final harvest	1	natural regeneration		
<p>comnts Fmd : Recently the private property along this stand has been surveyed and caps were found bearing PS #27458. This stand is a strip of trees that were not cut when stand 28 was harvested because the private line location was uncertian. The private line is now identifiable and the stand needs to be harvested by clearcuting. The stand should regenerate mostly to aspen but it will be mixed with oak, pine and red maple. Any combination of these species is acceptable.</p>											
Total Acres.....		189									

**Proposed Treatments
With Limiting Factors**

Compartment: 72

Entry Year: 2007

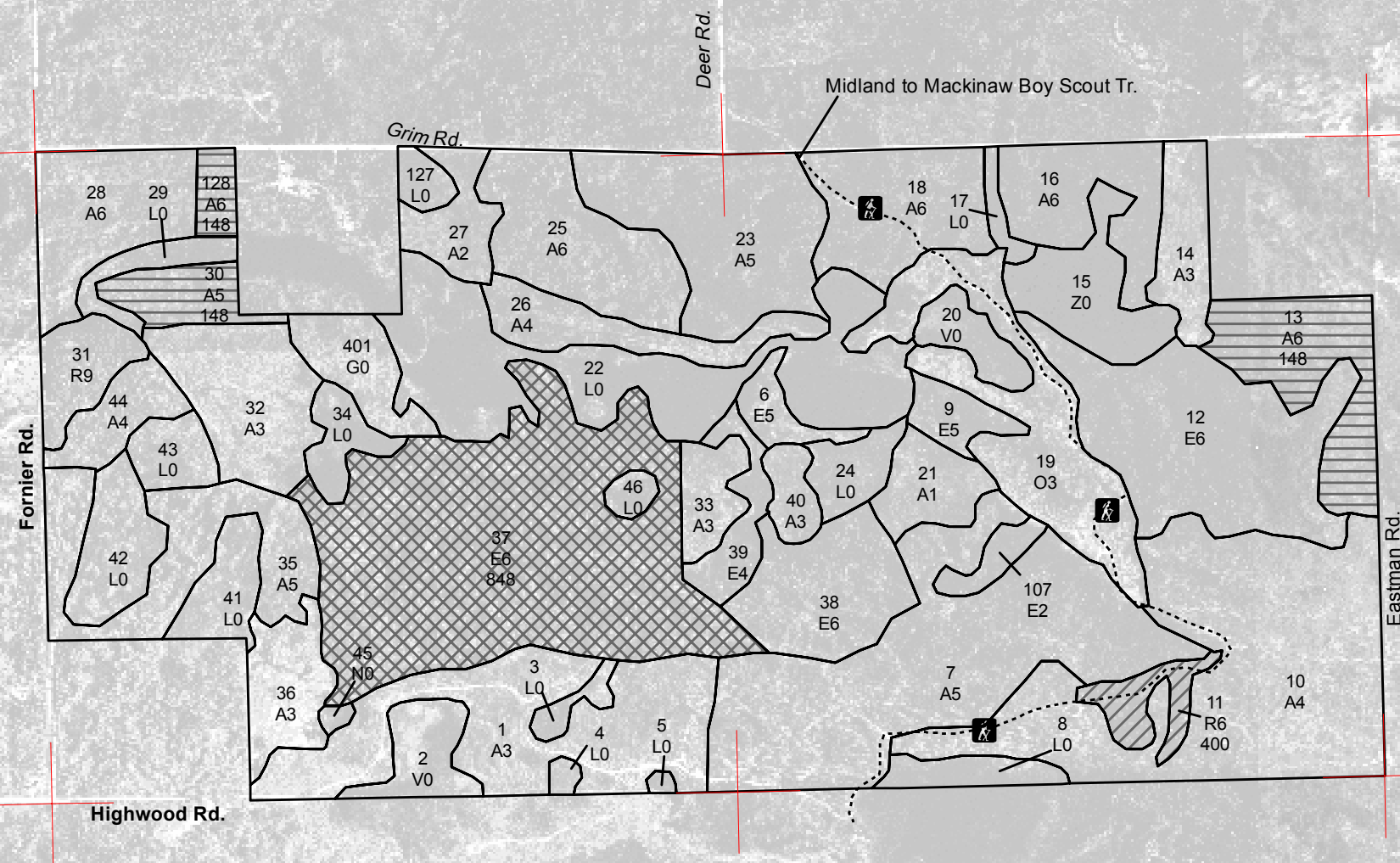
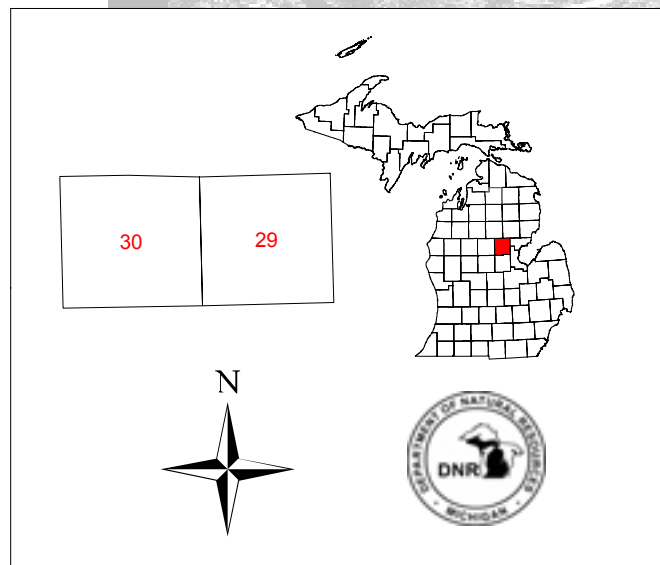
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 72
 T18N, R2E, Sec. 29, 30
 County: Gladwin
 Unit: Gladwin
 YOE: 2007
 Acres: 1,165 GIS Calculated
 Stand Examiner: Steven Nyhoff
 Map Revised: 8/22/2005
 Map Phase: Pre-review



Legend

- Miris Corners
- Trails
- 🚶 Hiking Trails
- ▭ Stand Boundary
- ▨ 148 - Final Harvest/Natural Regeneration/Other
- ▩ 400 - Thinning
- ▧ 848 - Selection/Natural Regeneration/Other

Name County Paved Roads
Name County Gravel Roads
Name County Dirt Roads
Name Trails

