



**GLADWIN FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 46 ENTRY YEAR: 2007

Compartment Acreage: 1599 County: Gladwin

Revision Date: 6-27-2005, Pre-Review 8-1-05

Stand Examiner: Kelly Standerfer

Legal Description: T19N-R1E Section 12
T19N-R2E Sections 7 and 8

RMU (if applicable):

Management Goals:

This year of entry (YOE), management goals are focused on regenerating several small paper birch stands by means of seed tree harvests', regenerating one over-mature aspen stand with a habitat cut, and doing a white pine restoration project in a large stand that was once forested but is now a mix of upland grass and lowland brush with blueberries.

Soil and Topography:

The soils within this compartment are variable. They range from well drained Rosseau fine sands to moderately drained Croswell-AuGres-Roscommon sands to poorly drained Roscommon-Defors Sands.

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

Private lands adjacent to the compartment are mostly forested with no subdivisions or concentrations of dwellings in the immediate vicinity. The 1611 acres are in one continuous block with the exception of one private 40 acre parcel in section 8.

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

This area has the potential to provide habitat for many unique organisms including bald eagle, red-shouldered hawk, great blue heron rookery, and Blanding's turtle.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):

None known to exist.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

The head waters for the Black Creek are within sections 12 and 7 of this compartment.

Wildlife Habitat Considerations:

Large lowland brush types with Z0 inclusions as well as an abundance of open areas and a few dense areas of aspen cover types make this compartment great for deer and grouse hunting as well as bird watching.

Historically this compartment is one of the last areas in the Gladwin Forest MU that retains the physical evidence (large White Pine stumps) of the secessional periods long past. Many aspen stands are not fully stocked

such sites are generally found on sandy ridges and in association with wintergreen and blueberry. These semi-open areas are typically surrounded by dense wetland cover types such as alder or willow, which function to create safe/secure use zones for deer. Hunting pressure is heavy throughout these areas. Woodcock actively use these locations for spring breeding areas.

In the recent past, water table levels were lowered, within Sections 7 and 12, due to questionable dredging activities (actions by private landowner and GCRC). Herp and wetland avian species were probably negatively impacted by the above occurrences. Blanding's Turtles have been somewhat common in this compartment but have experienced considerable mortality due to the land use practices, on private land, immediately to the north.

ORV use (essentially all of it illegal) is common in Sec. 8. Both summer riders and deer /bait hunters are contributing to cover type degradation.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of fine-textured glacial till and lacustrine (lake) sand and gravel. The glacial drift thickness varies between 100 and 400 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 is considered to be limited. Limited oil and gas exploration has occurred in this compartment. The two well abandoned Secord Field is located in Section 12. The field produced 12,000 BO from the Dundee Limestone. There are no State oil and gas leases in the compartment currently.

Vehicle Access:

The western 2/3rds of this compartment is very limited to vehicular traffic due to few roads and many wet areas. Section 8 has a relatively well established road system some of which has been closed to vehicles

Survey Needs:

In the future numerous survey corners may be needed to help identify the proper location of property lines.

Recreational Facilities and Opportunities:

There are no officially designated or maintained sites however the area is heavily recreated for hunting and camping.

Fire Protection:

No Significant control problems foreseen due to lack of explosive fuels and an abundance of natural fire breaks, such as low wet stands of timber and L-types. Low wet areas would impede fire suppression as well as fire spread.

Additional Compartment Information:

It was agreed at the Pre-Review with the wildlife division that portions of stand 17 would be burned for blueberry productions and white pine would be planted randomly throughout the stand to bring back some white pine to an area that was once dominated by large white pine and red pine.

08/29/2005 10:30:00 AM

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

AUSABLE STATE FOREST

GLADWIN FOREST MGT UNIT

GLADWIN COUNTY

COMPARTMENT: 46

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			247	276	275			4	8										810
Bog or Marsh	4																		4
Grass	253																		253
Lowlnd Brush	199																		199
Marsh	30																		30
Non Stocked	4																		4
Paper Birch								3	6										9
Red Pine							5												5
Swamp Hrdwds								4	74	56									134
Tamarack				3															3
Water	94																		94
White Pine			8	18														28	54
Total	584		255	297	275		5	11	88	56								28	1599

08/29/2005 10:30:03 AM

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

AUSABLE STATE FOREST

GLADWIN FOREST MGT UNIT

GLADWIN COUNTY

COMPARTMENT: 46

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	798														8										4		810
V Bog or Marsh			4																								4
G Grass					8																					245	253
L LowInd Brush									199																		199
N Marsh											30																30
X Non Stocked													4														4
B Paper Birch															9												9
R Red Pine																5											5
E Swamp Hrdwds																				134							134
T Tamarack																					3						3
Z Water																									94	94	
W White Pine																										54	54
Total	798		4		8				199		30		4		17	5				134	3			4	94	299	1599

AUSABLE STATE FOREST

GLADWIN FOREST MGT UNIT

GLADWIN COUNTY

COMPARTMENT: **46**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	2576 Cds	Hardwood	193 Cds
Hardwood	114 Mbf	Softwood	35 Cds
Softwood	560 Cds	Softwood	7 Mbf
Softwood	16 Mbf	Sum CutVol	242 Cds
Sum TotVol	3396 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
1599		19	

GLADWIN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 46

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
17	G0	245		60	white pine	nonstocked		0	planting		
<p>comnts Fmd : East portion of stand was prescribed to be burned last YOE, This wasn't done. Much of stand is upland with bracken fern intermixed with many LO/VO leatherleaf and blueberry bog inclusions. There are many large red and white pine stumps throughout this area. Burn as much of this stand as possible for blueberry production and dispure plant white pine to restore white pine to portions of this area. This can likely be done on a small scale with a local volunteer group.</p>											
60	A1	8	15	58	paper birch	immature		0	other - specify in remarks		
<p>comnts Fmd : south end of stand has some W3 areas. Stand is a mix of GO areas along with A3 clones and W2 clumps. There is quite a bit of oak that hasn't yet made it above the browse line. This stand will be burned to help promote Paper Birch regen as a seed source is available to the south and west end of this stand. Resulting regen for this treatment should be a mix of Oak, Birch, aspen and pine.</p>											
Total Acres.....		253									

GLADWIN FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

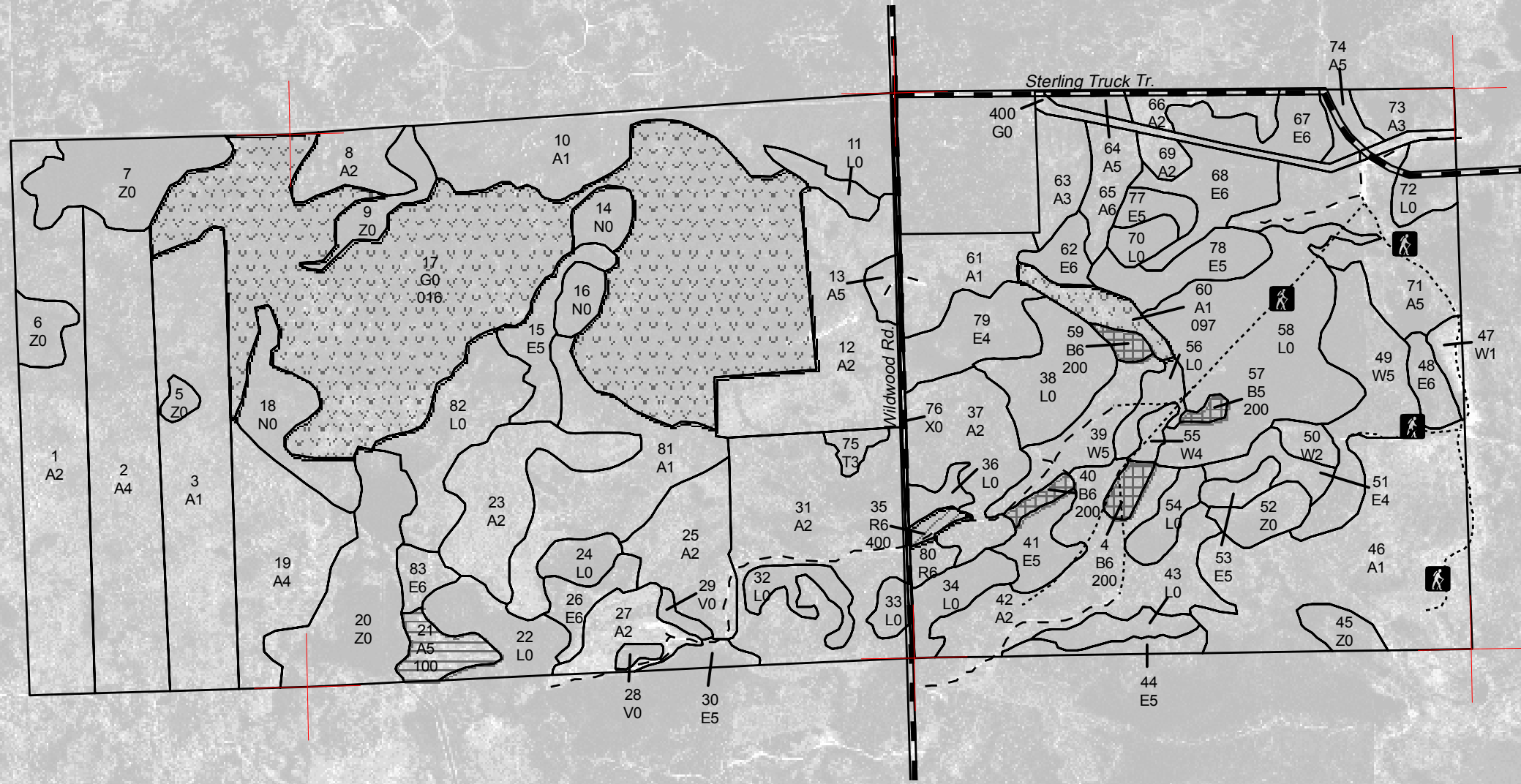
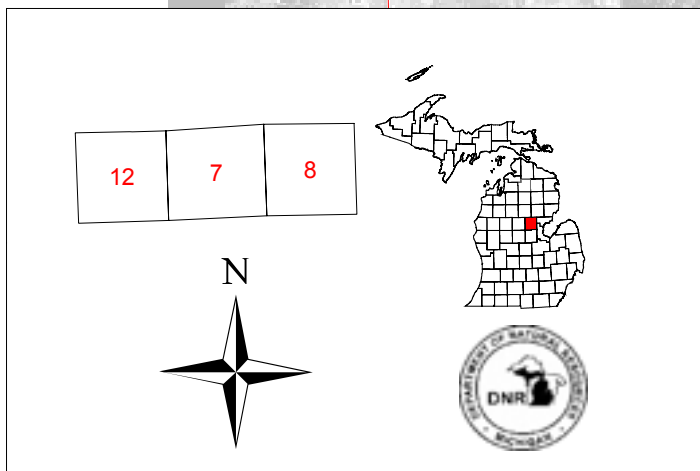
Compartment: 46

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
4	B6	3	65	55	paper birch	mature	seed tree	2		
TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage										
comnts Fmd : very small stand of younger maple and over mature aspen and birch. A lot of the birch has died and aspen is in poor health. Seed tree harvest. Leave all pine and mark to retain roughly 20-30 BA/AC of mixed species.										
21	A5	8	73	55	aspen (upland)	sparse	final harvest	2		
TREATMENT LIMITING FACTORS: Blocked by other physical obstacle										
comnts Fmd : prescribed for a habitat cut last YOE. Didn't occur. Habitat cut this YOE. leave all oak and pine.										
35	R6	2	50	65	red pine	two aged	thinning	2		
TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage										
comnts Fmd : stand was set up last YOE however it wasn't completely harvested. Natural red pine stand. Individual mark to 90-110BA/Ac. Leave the large super canopy trees. Thin from suppressed and co-dominants, remove all hardwoods by specification.										
40	B6	2	70	50	paper birch	mature	seed tree	2		
TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage										
comnts Fmd : mark 20-30 BA/AC of mixed oak and paper birch to leave. 2" spec all other species. Could burn or scarify to promote oak and birch regen.										
57	B5	2	75	54	paper birch	mature	seed tree	2		
TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage										
comnts Fmd : small paper birch pocket with dense W3 understory feasible to get to stand for a comercial harvest but may need factor limited to to small size and volume. Mark 20-30BA/AC of mixed species to leave as seed source										
59	B6	2	75	54	paper birch	mature	seed tree	2		
TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage										
comnts Fmd : small paper birch pocket with dense W2 understory. feasible to get to stand for a comercial harvest but may need factor limited to to small size and volume. Stand has a few large red and white pine. Cut all but 20-30 BA of paper birch as seed source.										
Total Acres.....		19								

Field Map

Compartment 46
 T19N, R1E, Sec. 12
 T19N, R2E, Sec. 7, 8
 County: Gladwin
 Unit: Gladwin
 YOE: 2007
 Acres: 1,599 GIS Calculated
 Stand Examiner: Kelly Standerfer
 Map Revised: 8/22/2005
 Map Phase: Pre-review



Legend

- Miris Corners
- Poor Dirt Roads
- Gravel Roads
- Trails
- Hiking Trails
- Stand Boundary
- 016 - Planting
- 097 - Other/Prescribed Burning
- 100 - Final Harvest
- 200 - Seed Tree
- 400 - Thinning
- Name Gravel Road

