



**GAYLORD FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT: 34

ENTRY YEAR: 2008
Compartment Acreage: 3,471
County: Charlevoix

Revision Date: April 6, 2006

Stand Examiner: Ric Barta

Legal Description: T33N, R4W Sections 1, 2, 11, 12, 13 & 14

Management Goals: To provide for the protection, integrated management and responsible use of a healthy, productive and undiminished forest resource base for the social, recreational, environmental and economic benefit of the State of Michigan.

Soil and Topography: 37% Leelanau-Emmet Association, 28% Kalkaska-Leelanau Association, 19% Blue Lake-Kalkaska Association, 14% Emmet-Leelanau Association and 2% Mancelona-East Lake Association. Nearly level to very steep slopes, 0 to 40%.

Ownership Patterns, Development, and Land Use in and Around the Compartment: South portion of the Compartment borders on private. There are some private holdings within the compartment.

Unique, Natural Features: Red shouldered hawks have been documented in the compartment.

Archeological, Historical, and Cultural Features: Old CCC camp and site of the village of Springvale.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations: The boundary between fisheries management units runs through this compartment, with part of the compartment in the Northern Lake Huron Management Unit and part in the Central Lake Michigan Management Unit. The portion in the NLHMU area is within the watershed of the W Branch Sturgeon River. Best Management Practices should be followed.

Wildlife Habitat Considerations: This compartment is primarily northern hardwoods. There are also some large open or upland brush areas. Structural diversity in the northern hardwoods will be maintained by thinning some stands and leaving some untreated for this 10 year period. Two stands of red pine will be cut and allowed to succeed to northern hardwood. Some red pine will be left for structural diversity in these stands. Some of the opening will be maintained by mowing or burning.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of an end moraine of coarse-textured till, ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 800 feet. Beneath the glacial drift is the Antrim Shale. The Antrim is quarried for cement products elsewhere in the State. A gravel pit is located in Section 15 and potential is good. The south half of the Compartment has started to be developed for the Antrim Shale, but the Antrim Shale is nearing its subcrop limit. Most of the State lands are leased for oil & gas activity.

Vehicle Access: No portion of State land exceeds ½ a mile from the nearest road.

Survey Needs: We may need to survey the small inholding of private at the north end of CCC Road.

Recreational Facilities and Opportunities: MCCCT, ORV and snowmobile trails are all found in the compartment.

Fire Protection:

Additional Compartment Information:

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **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, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand numbers, cover types**
 - ◆ **Proposed treatments**
 - ◆ **Proposed road access system**
 - ◆ **Suggested potential old growth**

06/13/2006 9:18:55 AM

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

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

CHARLEVOIX COUNTY

COMPARTMENT: 34

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	STAND AGE CLASS																Total	
		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
Aspen		23	59	8	9														99
Grass	219																		219
Jack Pine																		18	18
Oak																		28	28
Red Pine									79										79
Upland Brush	38			13															51
Upland Hdwds		3		11				196	109									2654	2973
White Pine																		4	4
Total	257	26	59	32	9			196	188									2704	3471

06/13/2006 9:18:58 AM

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

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

CHARLEVOIX COUNTY

COMPARTMENT: 34

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	99																										99
G Grass					219																						219
J Jack Pine							18																				18
O Oak														28													28
R Red Pine																11									68		79
U Upland Brush																									51		51
M Upland Hdws																									2973		2973
W White Pine																										4	4
Total	99				219		18							28		11								51	3041	4	3471

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

CHARLEVOIX COUNTY

COMPARTMENT: **34**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	39417 Cds	Hardwood	4228 Cds
Hardwood	8160 Mbf	Hardwood	799 Mbf
Softwood	53 Cds	Softwood	17 Cds
Softwood	1579 Mbf	Softwood	1153 Mbf
Sum TotVol	58948 Cds	Sum CutVol	8149 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
3471		717	

GAYLORD FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 34

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
2	M6	33		58	northern hardwood	immature	thinning	1		
comnts Fmd : 2006: Stand was marked 8 years ago but never cut. Protect any conifers. Aspen clones could be targeted. 99 includes elm and red maple.										
10	R9	12	69	62	northern hardwood	immature	final harvest	1		
comnts Fmd : PRIVATE ONE ACRE WITH BUILDING LIES IN NORTHWEST CORNER OF STAND. 2006: Somewhat limby. Mark a few to leave.										
35	R9	35	69	65	northern hardwood	mature	final harvest	1		
comnts Fmd : 2006: Stocking is erratic. Scattered 99 poles, mostly ash. Protect apples, pine regen and hardwoods. Mark a few to leave.										
37	O9	28		52	oak	unevenaged	thinning	1		
comnts Fmd : SAWLOG VOLUMES CONSISTS LARGELY OF RED OAK. 2006: Seep in southeast. Evidence of grazing: barbed wire and cattle tank. Hilly but workable with good access. Where practical, establish 60' regen holes with a cut oak in the center to regenerate oak via stump sprouts.										
38	M9	14		65	northern hardwood	unevenaged	thinning	2		
comnts Fmd : TSI'ed in 1976. Manage with Stand 138.										
39	R9	21	69	68	northern hardwood	mature	thinning	1		
comnts Fmd : 2006:White birch poles in northwest corner. A few limby maple logs. Occasional maple and beech poles. Relatively level except SW corner. Put up sale with leaves off. Protect apple and walnut trees. Cut only red pine, but mark a few to leave.										
43	M9	161		65	northern hardwood	unevenaged	thinning	2		
comnts Fmd : 2006: The north half of the sale is most heavily stocked; the area along Penfold Road will only require light marking.										
47	M6	227		60	northern hardwood	immature	thinning	2		
comnts Fmd : 2006: All logs are small. Little to cut but poles. Should avoid tree length skidding.										
64	M6	183		56	northern hardwood	unevenaged	thinning	2		
comnts Fmd : 2006: Heavy to beech on hilltops. Stocking is a little sporadic. Pole stand with bolts and small logs. Biggest trees are intermediates. Nicest timber on the north slope Hilly, rolling east-west ridge. Some terrain is steep. Protect elm and oak. Some potential mini-clearcuts along Peet Road.										
138	M9	3		65	northern hardwood	unevenaged	thinning	2		
comnts Fmd : TSI'ed in 1976. Manage with Stand 38.										
Total Acres.....		717								

**Proposed Treatments
With Limiting Factors**

Compartment: 34

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
--------------	-----------------------	--------------	------------	-----------------------	--------------------	------------------	-----------------------	-----------------------------	--------------------------	----------------------


TREATMENT LIMITING FACTORS:



Total Acres..... 0

Field Map

Compartment 34
 T33N, R04W, Sec. 1-2, 11-14
 County: Charlevoix
 Unit: Gaylord
 YO: 2008
 Acres: 3,471 GIS Calculated
 Stand Examiner: Richard Barta
 Map Revised: 6/09/2006
 Map Phase: Pre-review

2	1
11	12
14	13



Legend

- Miris Corners
- County Gravel Roads
- Poor Dirt Roads
- Pipelines
- Trails
- ORV Trails
- Snowmobile Trails
- MCCCT Trails
- Stand Boundary
- 100 - Final Harvest
- 400 - Thinning

