



**GAYLORD FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT: 62

ENTRY YEAR: 2009
Compartment Acreage: 3,287
County: ANTRIM

Revision Date: 4/4/2007

Stand Examiner: Tim Greco

Legal Description: T29N R5W Sec. 19, 20 and 29 - 32

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: This compartment is mostly flat with some rolling hills. The dominant soil type is excessively drained and rapidly permeable Kalkaska Sand. This very dry, sandy soil formed on outwash plains.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is almost entirely State owned. The limited amount of private property is broken into 10 - 50 acre parcels. The area is heavily developed by gas and oil industry with wells and pipeline common throughout the compartment.

Unique, Natural Features:

Archeological, Historical, and Cultural Features: None known.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: This compartment contains mostly upland habitat consisting of aspen, red pine, northern hardwoods and u-type. Most of the aspen in this compartment is ready to treat. Stand 25 will be treated in ten years to maintain age class diversity. This compartment gets heavy hunting pressure. Stand 51 will be burned to maintain aspen – u-type complex. The many U-types in this area are used by open land and baron species.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 800 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. The Coldwater does not have a current economic use. A gravel pit is located three miles to the northwest and there is good potential on the uplands. Oil and gas potential in the area is primarily for the Antrim Shale gas play. This area is leased and is currently being developed for Antrim gas.

Vehicle Access: Access is good throughout the compartment.

Survey Needs: The proposed treatments require very little survey work.

Recreational Facilities and Opportunities: This compartment contains approximately 4.5 miles of ORV/MCCCT Trail, 2 miles of snowmobile trail, 1.5 miles of the North Country Pathway and access to Sand Lake.

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**

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

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

ANTRIM COUNTY

COMPARTMENT: 62

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		52	174		38	349	235	19											867
Grass	62																		62
Jack Pine							32												32
Red Pine					327	353	332												1012
Upland Brush	442																		442
Upland Hdwds						16	13											808	837
Water	33																		33
White Pine						2													2
Total	537	52	174		365	720	612	19										808	3287

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

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

ANTRIM COUNTY

COMPARTMENT: 62

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	867																										867
G Grass					62																						62
J Jack Pine							22									10											32
R Red Pine															1012												1012
U Upland Brush																							442				442
M Upland Hdws	13																							824			837
Z Water																									33		33
W White Pine																										2	2
Total	880				62		22								1022								442	824	33	2	3287

MACKINAW STATE FOREST

GAYLORD FOREST MGT UNIT

ANTRIM COUNTY

COMPARTMENT: **62**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	23797 Cds	Hardwood	6734 Cds
Hardwood	899 Mbf	Hardwood	136 Mbf
Softwood	22335 Cds	Softwood	3554 Cds
Softwood	1725 Mbf	Softwood	273 Mbf
Sum TotVol	51380 Cds	Sum CutVol	11106 Cds
Total Cmpnt Acres		Acres Proposed For Cut.....	
3287		696	

**Proposed Treatments
With Limiting Factors**

Compartment: 62

Entry Year: 2009

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

Total Acres..... 0

GAYLORD FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 62

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
6	A6	4	51	65	aspen (upland)	mature	final harvest	2		
comnts Fmd : SMALL STAND OF POOR QUALITY ASPEN AND RM. SOME OPEN AREAS.										
13	M6	13	51	65	aspen (upland)	mature	final harvest	2		
comnts Fmd : POOR QUALITY RM AND ASPEN. SOME SCATTERED PLANTED RP. C/C AND MANAGE FOR MIX OF ASPEN AND HDWD. LEAVE RP.										
14	R6	22	50	65	red pine	immature	thinning	1		
comnts Fmd : PLANTED 1957. THINNED 1990. AREAS OF PURE A3/M3. M3 ~ 10 FT TALL AND THICK. NICE PINE - LIMBY. LIGHT THINNING WITH SOME WALK THROUGH AREAS.										
15	A6	23	51	65	aspen (upland)	mature	final harvest	1		
comnts Fmd : MIX OF ASPEN, HDWD AND SOME PLANTED RP. HDWD IS POOR QUALITY CLUMPS. ASPEN IS DECENT. IRONWOOD / MAPLE UNDERSTORY. C/C. ORV TRAIL.										
19	R6	11	50	65	red pine	immature	thinning	1		
comnts Fmd : PLANTED 1957. THINNED 1990. LIMBY BUT NICE. WELL DEVELOPED CROWNS. M3 THICK ~ 10 FT TALL. CLEAN ~ 32 FT. LIGHT THINNING.										
21	R6	17	46	60	red pine	immature	thinning	1		
comnts Fmd : PLANTED 1961. THINNED 1995. DECENT RP - LIMBY. HEAVY HDWD UNDERSTORY ~ 10 FT TALL. MARKED THINNING TO ~ 130 SQ FT RES BA.										
22	A6	8	46	65	aspen (upland)	mature	final harvest	2		
comnts Fmd : FAIR/GOOD ASPEN WITH SCATTERED UNDERPLANTED RP. SOME HDWD PULP. C/C ALL - NO RETENTION.										
23	R9	38	50	55	red pine	immature	thinning	1		
comnts Fmd : PLANTED 1957. THINNED 1995. MOSTLY NICE RP - LIMBY WITH HEAVY HDWD UNDERSTORY ~ 10 FT TALL. LIGHT THINNING - FOCUS ON DEFECT (FORKS AND SWEEP). DON'T CUT ASPEN.										
24	A6	19	61	65	aspen (upland)	mature	final harvest	1		
comnts Fmd : ASPEN FAIR/GOOD QUALITY. HDWD FAIR QUALITY. C/C - SPARSE ON NORTH END OF STAND. THE STAND TO THE EAST WAS C/C 2006. MCCCT/ORV TRAIL NORTH AND SNOWMOBILE TRAIL SOUTH AND WEST. SMALL STAND - NO RETENTION.										
26	R6	20	46	60	red pine	immature	thinning	1		
comnts Fmd : NICE RP - LIMBY. NEVER THINNED. AREAS OF HEAVY M3 UNDERSTORY ~ 10 FT TALL. NORTH END HAS LOTS OF FORKED TREES. 3RD ROW THIN. CLEAN ~ 40 FT. SOME SMALL LOGS.										
30	R6	37	46	60	red pine	immature	thinning	1		
comnts Fmd : NICE RP CLEAN ~ 40 FT. SOME LIMBS. NEVER THINNED. NORTH END OF STAND IS BETTER DEVELOPED. OLD RR GRADE PRESENT.										
50	R6	30	50	65	red pine	immature	thinning	2		
comnts Fmd : AREAS OF NICE RP - CLEAN ~ 40 FT. OTHER AREAS OF SMALLER TREES WITH DEFECT. TREES ARE MOSTLY WELL SPACED. LIGHT THINNING WITH AREAS OF WALK THROUGH. THINNED 2001.										
51	U0	52		55	upland brush	sparse		0	opening maintenance	
comnts Fmd : MOSTLY FLAT WITH SOME ROLLING HILLS. OPEN WITH SCATTERED CHERRY SHRUBS AND SOME HDWD. PLANT RP. PRE REVIEW (4/11/2007) DECIDED NOT TO PLANT. RX BURN WITH ADJACENT RP C/C.										
56	R6	53	37	50	red pine	immature	final harvest	2	planting	
comnts Fmd : SHORT LIMBY OPEN GROWN POORLY STOCKED PLANTATION. SOME OPEN AREAS. SCATTERED BC. ADJACENT STAND RP SI = 60. C/C REPLANT AND HERBICIDE RELEASE. PRE REVIEW (4/11/2007) DECIDED TO TRY TO BURN THEN PLANT, EVALUATE IF HERBICIDE IS NEEDED AFTER. NO RETENTION.										
59	A6	36	47	55	aspen (upland)	mature	final harvest	1		
comnts Fmd : ASPEN MIXED WITH POOR QUALITY HDWD. SCATTERED POCKETS OF U TYPE. C/C.										
64	A6	14	46	55	aspen (upland)	mature	final harvest	1		
comnts Fmd : BC AND MAPLE UNDER OLD POOR QUALITY ASPEN. C/C.										

GAYLORD FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

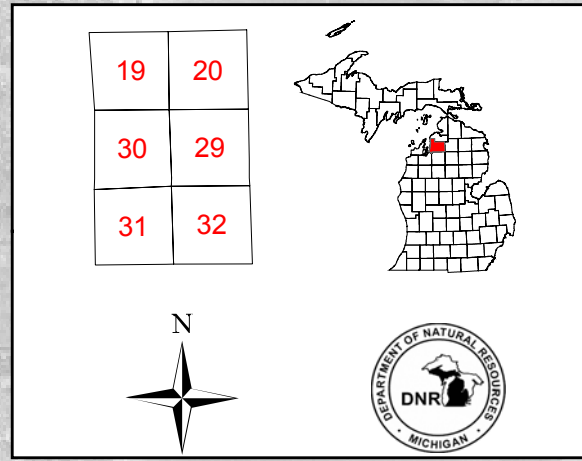
Compartment: 62

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status	
66	J5	10	52	40	red pine	low quality	final harvest	1	planting		
comnts Fmd : POOR QUALITY JP, HDWD AND ASPEN. JP IS DEAD/DYING. C/C AND REPLANT TO RP.											
68	R6	17	50	60	red pine	low quality	final harvest	1	planting		
comnts Fmd : LIMBY POOR QUALITY RP MIXED WITH POOR QUALITY ASPEN. SOME PORKEY DAMAGE. AREAS OF HEAVY HDWD REGEN. LOTS OF FORKED TOPS. C/C AND REPLANT TO RP.											
69	A6	14	56	70	aspen (upland)	mature	final harvest	1			
comnts Fmd : FAIR ASPEN WITH SCATTERED WP AND HEAVY M3 UNDERSTORY ~ 10 FT TALL. C/C.											
82	A6	19	51	65	aspen (upland)	mature	final harvest	1			
comnts Fmd : MIX OF GOOD AND POOR QUALITY ASPEN NEXT TO SAND LAKE. ASPEN IS OLD AND DYING IN AREAS. MIXED WITH POOR QUALITY HDWD. C/C. PRE REVIEW (4/11/2007) DECIDED TO SPLIT STAND 82 IN HALF CREATING STAND 182. THIS STAND WILL BE C/C.											
83	R6	72	30	47	red pine	immature	final harvest	2	planting		
comnts Fmd : SHORT OPEN GROWN LIMBY RP MIXED WITH POOR QUALITY 1 - 4" DIAMETER ASPEN ~ 20 FT TALL. SOME OPEN AREAS. SNOWMOBILE TRAIL. PRE REVIEW (4/11/2007) DECIDED TO TRY TO BURN THEN PLANT, EVALUATE IF HERBICIDE IS NEEDED AFTER. LEAVE 419 AND 420 IN G TYPE. NO RETENTION.											
89	A6	46	51	65	aspen (upland)	mature	final harvest	1			
comnts Fmd : GOOD / FAIR ASPEN MIXED WITH POOR QUALITY HDWD. SOME SPARSE / OPEN AREAS. SNOWMOBILE TRAIL.											
100	A6	27	51	65	aspen (upland)	mature	final harvest	1			
comnts Fmd : OLD ASPEN MIXED WITH POOR QUALITY HDWD. HEAVY M3 UNDERSTORY. C/C. MCCCT/ORV TRAIL. CHASE ASPEN AND AVOID CUTTING WELL STOCKED RP.											
102	A6	11	51	65	aspen (upland)	mature	final harvest	1			
comnts Fmd : FAIR ASPEN MIXED WITH POOR QUALITY HDWD. C/C.											
108	A6	62	51	60	aspen (upland)	mature	final harvest	1			
comnts Fmd : SCATTERED OPEN AREAS. POOR QUALITY ASPEN AND HDWD. THICK M3 UNDERSTORY. VARIABLE STOCKING. C/C.											
125	A6	73	46	65	aspen (upland)	mature	final harvest	1			
comnts Fmd : NICE ASPEN - MIX OF SIZE CLASSES 4 - 12" DBH. AREAS OF NICE SMALL LOGS. POOR QUALITY HDWD - MIX OF RM AND HM WITH SOME SCATTERED YB AND WP. C/C. PRE REVIEW (4/11/2007) STAND 25 WAS SPLIT IN HALF CREATING STAND 125. THIS STAND WILL BE C/C AND STAND 25 WILL BE HELD FOR 10 YEARS.											
Total Acres.....		748									

Field Map

Compartment 062
 T29N, R05W, Sec. 19, 20, 29-32
 County: Antrim
 Unit: Gaylord
 YOE: 2009
 Acres: 3,287 GIS Calculated
 Stand Examiner: Tim Greco
 Map Revised: 4/26/2007
 Map Phase: Pre-review



- ### Legend
- RLS Corners
 - County Paved Roads
 - County Gravel Roads
 - County Dirt Roads
 - Miris Corners
 - Poor Dirt Roads
 - Pipelines
 - Trails
 - ORV Trails
 - MCCCT Trails
 - Snowmobile Trails
 - Hiking Trails
 - Stand Boundary
 - 027 - Opening Maintenance/Prescribed Burning
 - 100 - Final Harvest
 - 116 - Final Harvest/Planting
 - 117 - Final Harvest/Planting/Prescribed Burning
 - 400 - Thinning

