



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 101 ENTRY YEAR: 2009

Compartment Acreage: 939

County: Roscommon

Revision Date: 2/27/07

Stand Examiner: D. Ekdom

Legal Description: T22N R2W Sections 10 and 15

RMU (if applicable): Not Applicable

Management Goals: Maintain current age and species diversity in a range of early and late successional ecosystems.

Soil and Topography: Terrain in the compartment is primarily flat to gently rolling glacial outwash plain. Soils are primarily poorly drained Rubicon sand, Saugatuck sand, and Newton loamy sand on the upland areas and excessively poorly drained Rifle peat on the lowland areas.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is 100 % state land and is surrounded by equal amounts of state and private land. The private land has both year-round residences and seasonal cabins. Backus Township Park is on the west edge of the compartment. Vaundersosa Ranch (a private hunting preserve) is on the north and east sides of the compartment.

Unique, Natural Features: Osprey, bald eagle, loon, and great blue herons have been identified on adjacent lands, both state and private, and kirtlands warbler, king rail, and secretive locust have also been found in the area. Compartment also has heavy beaver activity in the drainages associated with the North Branch of Denton Creek. Wild pigs are also present as evidenced by tracks and other “pig” sign.

Archeological, Historical, and Cultural Features: None known or detected during fieldwork.

Special Management Designations or Considerations: None

Watershed and Fisheries Considerations: North Branch of Denton Creek

Wildlife Habitat Considerations: Maintain ecosystem diversity in the compartment via regular habitat manipulation to benefit game species such as deer, grouse, rabbits, and turkeys as well as non-game species. This compartment also has a population of wild pigs.

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 400 and 800 feet. Beneath the glacial drift is the Pennsylvanian Saginaw Formation. The Saginaw is quarried for clay elsewhere in the State. Most of the good gravel pits are associated with upland areas. There are not pits in the area and potential appears to be limited. The abandoned Denton Creek Field is located one mile to the south.

The field produced nearly 55,000 BO from the Devonian Detroit River Formation. The Compartment is not currently leased, but Section 16 was leased recently.

Vehicle Access: Vehicle access is good to most parts of the compartment via M-55 and state forest two-tracks. Some two-tracks need to be fixed up or closed to solve Resource Damage Report (BMP) issues.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: Compartment is heavily used for deer, grouse, and rabbit hunting due to its proximity to populated areas.

Fire Protection: This compartment has good vehicle access with short response times, and an abundance of natural fire breaks. There is also a lack of volatile fuel types. However, access and mop up may be a problem in a dry year if a fire in any of the swamps occurs.

Additional Compartment Information: A large percentage of the aspen in the compartment is in the 30-39 year old age class and some of these stands have been proposed for treatment for better aspen age class distribution in the compartment and in the Roscommon FMU. Proposed treatments include 54 acres of final harvests in aspen and 6 acres of thinnings in red and white pine. 3 acres of final harvests in aspen are factor limited due to beaver activity.

- **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

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: 101

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	467																										467
S Black Spruce		41																									41
V Bog or Marsh			18																								18
G Grass					35																						35
J Jack Pine							10																				10
L Lowlnd Brush									68																		68
N Marsh											13																13
Q Mx Swmp Cnfr												135															135
R Red Pine																9											9
F Spruce Fir																			12								12
E Swamp Hrdwds																				21							21
T Tamarack																					16						16
Z Water																									23		23
W White Pine																										71	71
Total	467	41	18		35		10		68		13	135				9			12	21	16				23	71	939

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **101**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	7488 Cds	Hardwood	1428 Cds
Hardwood	48 Mbf	Softwood	162 Cds
Softwood	3860 Cds	Softwood	39 Mbf
Softwood	543 Mbf	Sum CutVol	1668 Cds
Sum TotVol	12530 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
939		63	

ROSCOMMON 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	
20	A6	35	32	60	aspen (upland)	immature	final harvest	2	natural regeneration		
comnts Fmd : YOUNG A6 STAND BUT WORTH CUTTING TO GET BETTER ASPEN DISTRIBUTION, WEST LINE MAY CHANGE BASED ON MERCHANTABILITY OF ASPEN WEST OF TWO-TRACK, LEAVE NARROW BUFFER OF CONIFERS ALONG M-55 FOR VISUAL, MARK OAK TO LEAVE FOR MAST WHERE POSSIBLE, ANY COMBINATION OF A/O/RM TO A FULLY STOCKED STAND IS ACCEPTABLE REGENERATION											
43	A6	19	32	60	aspen (upland)	immature	final harvest	2	natural regeneration		
comnts Fmd : YOUNG A6 STAND BUT WORTH CUTTING TO GET BETTER ASPEN DISTRIBUTION, WEST LINE MAY CHANGE BASED ON MERCHANTABILITY OF ASPEN WEST OF THE TWO-TRACK, MARK OAK TO LEAVE FOR MAST WHERE POSSIBLE, ANY COMBINATION OF A/O/RM TO A FULLY STOCKED STAND IS ACCEPTABLE REGENERATION											
44	R9	3	87	60	red pine	immature	thinning	1			
comnts Fmd : THIN TO 120 S.F. THIS Y.O.E. AND FINAL HARVEST PLANT RED PINE OR TRY FOR NATURAL RED PINE REGENERATION NEXT Y.O.E.											
50	W6	3	87	55	white pine	immature	thinning	2			
comnts Fmd : NATURAL WHITE PINE STAND, THIN TO 120 SF BY REMOVING HARDWOODS, MAY NEED TO MARK SOME WHITE PINE FOR ACCESS											
400	G0	3		60	grass	nonstocked		0	opening maintenance		
comnts Fmd : MAINTAINED OPENING, SITE INDEX FROM STAND #40											
401	G0	8		60	grass	nonstocked		0	opening maintenance		
comnts Fmd : MAINTAINED OPENING, SITE INDEX FROM STAND #120											
Total Acres.....		71									

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 101 **Entry Year: 2009**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
27	A6	3	32	60	aspen (upland)	immature	final harvest	2	natural regeneration	

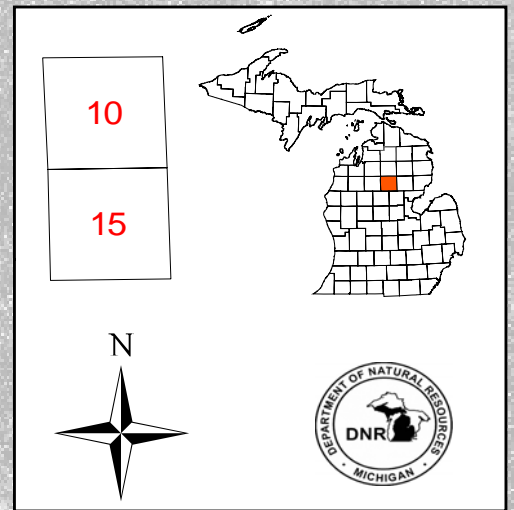
TREATMENT LIMITING FACTORS: Blocked by other physical obstacle

comnts Fmd : YOUNG A6 STAND, NOT ACCESSIBLE DUE TO BEAVER ACTIVITY

Total Acres..... 3

Field Map

Compartment 101
 T22N, R2W, Sec. 10, 15
 County: Roscommon
 Unit: Roscommon
 YOE: 2009
 Acres: 939 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 9/04/2007
 Map Phase: Pre-review



Legend

- Miris Corners
- Highways
- Poor Dirt Roads
- Powerlines
- Water Features
- State Highway
- Stand Boundary
- 026 - Opening Maintenance
- 148 - Final Harvest/Natural Regeneration/Other
- 400 - Thinning

