



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 104 ENTRY YEAR: 2007

Compartment Acreage: 1295 County: Roscommon

Revision Date: 4/12/05

Stand Examiner: D. Ekdom

Legal Description: T22N R2W Sections 8 & 17

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: Compartment is mostly rolling terrain consisting of upland ridges interspersed with lower swales. Soils are a mixture of Rifle peat, Greenwood peat, and Houghton Muck in the lower swales and Rubicon sand, Grayling sand, Saugatuck sand, and Newton loamy sand in the more upland areas.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is entirely state land and is surrounded by state land. However, because M-55 runs through the compartment and its close proximity to Prudenville, it is heavily used by locals for hunting and other recreational pursuits.

Unique, Natural Features:

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

Special Management Designations or Considerations:

Watershed and Fisheries Considerations: The North Branch of Denton Creek runs through section 17. Numerous beaver floodings with associated wetlands are present on this creek.

Wildlife Habitat Considerations:

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 600 feet. Beneath the glacial drift are the Pennsylvanian Grand River and Saginaw Formations. The Saginaw is quarried for brick making clay elsewhere in the State. Most of the good gravel pits are associated with upland areas. There are no uplands close by and potential appears to be limited. The abandoned Denton Creek Field is located one mile to the southeast. The field produced nearly 55,000 BO from the Devonian Detroit River Formation. The compartment is not currently leased.

Vehicle Access: Vehicle access to the upland sections of this compartment is good via state highway, county roads, and forest two-tracks. Access to the wetter portions of the compartment is poor at best due to the terrain.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: No organized recreational facilities are present in this compartment. However, the area is heavily used for hunting and other recreational pursuits.

Fire Protection: In general, fire protection should not be a problem in this compartment due the combination of fuels and terrain and the presence of many natural and man-made fuel breaks.

Additional Compartment Information: 54 acres of final harvests and 52 acres of partial harvests are proposed in this compartment. In addition, 18 acres of artificial regeneration and 24 acres of opening maintenance (non-commercial treatments) are proposed in this compartment. Aesthetics is a major consideration in this compartment due to its heavy recreational use and many extensively used county roads, snowmobile trail, and the presence of M-55 within the compartment. Some trash dumping is occurring on two-track roads within this compartment.

- **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: 104

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	296																										296
V Bog or Marsh			37																								37
G Grass					41																						41
J Jack Pine	4						9									2											15
L Lowlnd Brush									93																		93
N Marsh											84																84
Q Mx Swmp Cnfr												252															252
O Oak	11													363													374
R Red Pine																16											16
E Swamp Hrdwds	11																			67							78
U Upland Brush																								3			3
Z Water																									2		2
W White Pine																										4	4
Total	322		37		41		9		93		84	252		363		18				67				3	2	4	1295

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **104**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	5963 Cds	Hardwood	844 Cds
Hardwood	1448 Mbf	Hardwood	356 Mbf
Softwood	3526 Cds	Softwood	124 Cds
Softwood	400 Mbf	Softwood	232 Mbf
Sum TotVol	13185 Cds	Sum CutVol	2144 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	129
1295			

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 104 Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
12	R9	16	89	70	red pine	two aged	final harvest	2	planting	
comnts Fmd : NICE RP SL STAND W/SCATTERED HARDWOODS IN U.S., FINAL HARVEST AND PLANT RED PINE, MAY NEED RX BURN TO CONTROL BRUSH AND OTHER UNDESIRABLE REGENERATION										
13	E6	6	84	46	swamp hardwoods	mature	final harvest	3		
comnts Fmd : NO ACCESS - HABITAT IF DESIRED										
14	O9	23	84	58	oak	two aged	shelterwood-seed	2		
comnts Fmd : RED OAK DECENT QUALITY, OAK SEEDLINGS & SAPLINGS STARTING IN U.S. WHERE OPENINGS EXIST, HEAVY FIREWOOD CUTTING IN THIS STAND, SHELTERWOOD BY CUTTING A/RM/FIR AND UNMARKED OAK, LEAVE ALL WO/WP AND MARK RED OAK TO LEAVE, ASPEN AND WHITE PINE REGENERATION ACCEPTABLE IF OAK DOES NOT REGENERATE AFTER TREATMENT										
17	O9	11	84	58	aspen (upland)	mature	final harvest	1		
comnts Fmd : RO/ASPEN POOR TO FAIR QUALITY AND DECLINING, FINAL HARVEST AND CONVERT TO ASPEN, RETAIN ALL W. OAK AND SMALLER WP FOR MAST AND DIVERSITY, COULD LEAVE RED PINE ALSO, OAK REGENERATION ACCEPTABLE WHERE ASPEN DOES NOT REGENERATE										
21	O6	12	84	55	oak	mature	shelterwood-seed	2		
comnts Fmd : MATURE MO/WO WITH SCATTERED R/J/W PINE, W1-W2 U.S., SHELTERWOOD BY MARKING OAK TO LEAVE FAVORING LARGE CROWN OAK AND ALL WHITE OAK, CUT A/RM/J AND UNMARKED OAK, LEAVE ALL R/W PINE AND MANAGE FOR A MIXED STAND OF OAK AND PINE, CUT WITH STAND 39 COMP'T 105 TO THE WEST, ASPEN, RED MAPLE, AND ANY TYPE OF PINE REGENERATION IS ACCEPTABLE IF OAK DOES NOT REGENERATE										
30	O9	29	85	55	oak	two aged	shelterwood-seed	2		
comnts Fmd : FAIR QUALITY RO/MO ON NORTH END, POOR-FAIR QUALITY PIN OAK ON SOUTH END, SCATTERED A3 ASPEN CLONES ALMOST MERCHANTABLE PLUS SCATTERED A6 CLONES AND SOLITARY ASPEN, SHELTERWOOD BY CUTTING ASPEN, RED MAPLE, AND SOME MARKED OAK, ASPEN AND RED MAPLE REGENERATION IS ACCEPTABLE IF OAK DOES NOT REGENERATE										
43	O9	11	84	58	oak	immature	shelterwood-seed	2		
comnts Fmd : MIX OF EVERYTHING, OAK/PINE WITH SPOTS HEAVY TO ASPEN OR RED MAPLE, CUT HW AND JP, MARK SOME OAK TO LEAVE IN AREAS HEAVY TO ASPEN AND RED MAPLE, LEAVE ALL WHITE OAK AND R/W PINE, MANAGE FOR A MIX OF OAK AND PINE, REGENERATION OF ASPEN & RED MAPLE, IS ACCEPTABLE IF OAK AND PINE DO NOT REGENERATE										
78	E6	11	85	50	aspen (upland)	mature	final harvest	1		
comnts Fmd : SOUTH 1/3 IS UPLAND O/A/RM, NORTH 2/3 IS WET ASPEN AND RM GRADING INTO "Q" TYPE, CUT AS MUCH OF THIS STAND IS POSSIBLE EXPANDING INTO SURROUNDING STANDS IF POSSIBLE, CUT IN DORMANT SEASON ON DRY OR FROZEN GROUND TO DECREASE RUTTING AND INCREASE SPROUTING IN THE SPRING, SEED TO JACK PINE IF STAND DOES NOT REGNERATE TO ASPEN										
80	J9	2	84	60	red pine	mature	final harvest	1	planting	
comnts Fmd : STAND LEFT AS BUFFER FOR CUT TO THE WEST, NOW J9 AND DECLINING, CUT AND INTERPLANT RED PINE AND MANAGE FOR A MIX OF OAK/PINE										
82	J6	4	74	55	aspen (upland)	mature	final harvest	1		
comnts Fmd : MIX OF JP/ASPEN WITH ASPEN 10-20 YEARS YOUNGER THAN THE JP, CUT NOW WITH STAND#85 AND MANAGE FOR ASPEN										
85	A6	4	74	55	aspen (upland)	mature	final harvest	2		
comnts Fmd : A3 CONVERTING TO A6 , HOLD 10 YEARS OR CUT NOW, MIX OF BTA/TA, WEST OF THE ROAD THIS STAND BLENDS INTO JP STAND TO THE NORTH WHICH IS ALSO BEING TREATED (Stand #82)										
400	G0	6		55	grass	nonstocked		0	opening maintenance	
comnts Fmd : WILDLIFE MAINTAINED OPENING.										
401	G0	1		55	grass	nonstocked		0	opening maintenance	
comnts Fmd : WILDLIFE MAINTAINED OPENING.										
402	G0	8		55	grass	nonstocked		0	opening maintenance	
comnts Fmd : WILDLIFE MAINTAINED OPENING.										

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 104 **Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
403	G0	7		55	grass	nonstocked		0	opening maintenance	

comnts Fmd : WILDLIFE MAINTAINED OPENING.

404	G0	2		55	grass	nonstocked		0	opening maintenance	
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comnts Fmd : WILDLIFE MAINTAINED OPENING, REST OF THIS STAND IS IN COMPT TO THE EAST (COMPT 103 STAND #405).

Total Acres..... 153

**Proposed Treatments
With Limiting Factors**

Compartment: 104 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

