



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 120 ENTRY YEAR: 2009

Compartment Acreage: 1088 County: Roscommon

Revision Date: 4/13/07

Stand Examiner: D. Ekdorn

Legal Description: T22N R2W Sections 31 - 33

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 is rolling to level glacial outwash plain with alternating upland and lowland areas containing numerous drainages and marshes. Soils are mostly Crosswell-Au Gres sands in the upland areas and Lupton and Tawas mucks in the lowland swamps and drainages.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Compartment is a solid block of state land with a few private in-holdings and is adjacent to state land on the north and west sides. Private land is within and adjacent to the compartment on the south and east sides is mostly undeveloped and used for hunting and other recreational purposes. Mid-Forest Lodge, a private hunting club, is directly south of the compartment.

Unique, Natural Features: Two mature natural pine stands are in the draft Biodiversity Stewardship Plan as Special Conservation Areas and **several more** are proposed to be added as SCA's to the draft plan.

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

Special Management Designations or Considerations: Several stands proposed to be added as SCA's to the draft Biodiversity Stewardship Plan.

Watershed and Fisheries Considerations: Extensive areas of beaver floodings, cedar swamp, and lowland brush/marsh areas.

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.

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 are the Pennsylvanian Saginaw Formation and the Mississippian Bayport Limestone and Michigan Formation. The Saginaw is quarried for clay, the Bayport for stone and the Michigan gypsum, elsewhere in the State. Most of the good gravel pits are associated with upland areas. There are no gravel pits in the area and potential appears to be limited. The abandoned Denton Creek Field is

located in Section 28. The field produced nearly 55,000 BO from the Devonian Detroit River Formation. The Compartment was recently leased for oil and gas.

Vehicle Access: Generally good via seasonal county roads, forest two-tracks, and the snowmobile trail except during winter and wet weather conditions.

Survey Needs: A survey has been requested for private in-holdings in Section 31 to delineate state lands for a timber sale and prove/disprove trespass.

Recreational Facilities and Opportunities: Compartment contains a portion of the Houghton Lake snowmobile trail and the Denton Connector ORV route

Fire Protection: Fire protection in this compartment should not be a problem due to the absence of volatile cover types and the presence of numerous natural fuel breaks. However, in a dry year, suppression of a fire occurring or entering the swamps in the compartment could pose problems for suppression equipment.

Additional Compartment Information: Several trespasses were discovered in this compartment and a survey has been requested. Lots of fuelwood cutting/firewood theft with new trails being created to access oak stands. Proposed treatments include 118 of delayed removal harvests for white pine management and 24 acres of red pine thinnings. Proposed non-commercial treatments include 12 acres of opening maintenance/creation.

- **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: 120

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	261																										261
C Cedar				229																							229
G Grass					27																						27
H Hemlock						10																					10
L Lowlnd Brush									50																		50
N Marsh											83																83
Q Mx Swmp Cnfr												9															9
O Oak														36												50	86
B Paper Birch															4												4
R Red Pine																51											51
F Spruce Fir																			10								10
E Swamp Hrdwds																				79						2	81
D Treed Bog																							3				3
M Upland Hdwds																										36	36
Z Water																									10		10
W White Pine																										138	138
Total	261			229	27	10			50		83	9		36	4	51			10	79			3		10	226	1088

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **120**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	5094 Cds	Hardwood	287 Cds
Hardwood	920 Mbf	Hardwood	315 Mbf
Softwood	6412 Cds	Softwood	550 Cds
Softwood	1507 Mbf	Softwood	252 Mbf
Sum TotVol	16360 Cds	Sum CutVol	1971 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	127
1088			

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 120 Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
1	E6	2	85	65	white pine	mature	delayed removal	1			
comnts Fmd : N. END IS "L" TYPE WITH INTERMITTENT CREEK, REST OF STAND IS DECLINING ASPEN, RED MAPLE, MIXED OAK, AND WHITE BIRCH WITH W.P. U.S. WHICH IS ALMOST MERCHANTABLE, RELEASE WHITE PINE U.S. BY REMOVING HARDWOODS EXCEPT LEAVE ALL WHITE OAK FOR MAST											
5	O9	9	87	60	white pine	two aged	delayed removal	2			
comnts Fmd : MATURE TO OVER-MATURE OAK/JACK PINE WITH WHITE PINE U.S., RELEASE W3 BY REMOVING ALL HARDWOODS AND JACK PINE EXCEPT LEAVE WHITE OAK FOR MAST											
9	R9	15	67	60	red pine	immature	thinning	2			
comnts Fmd : NATURAL RED PINE STAND, THIN TO 90 SF BY REMOVING HARDWOODS AND SOME RED PINE, RETAIN OAKS FOR MAST											
14	O9	41	87	57	white pine	two aged	delayed removal	2			
comnts Fmd : O9W2, U.S. READY TO BE RELEASED, STAND HAS SCATTERED RED PINE SAW LOGS AND S. END HAS LOTS OF SAWLOG SIZE B.T. ASPEN, CUT MOST MIXED OAK AND OTHER HARDWOODS AND LEAVE SAWLOG SIZE WHITE OAK AND ALL R/W PINE, BUFFER SWAMPS AND W9 STAND FOR RETENTION											
15	R9	2	87	67	red pine	immature	thinning	2			
comnts Fmd : THIN TO 120 SF BY TAKING SMALLER PINES AND HARDWOODS FIRST, LEAVE SOME OAK FOR WILDLIFE MAST											
18	M9	36	32	67	white pine	two aged	delayed removal	2			
comnts Fmd : STAND WAS CUT IN 1975 LEAVING LOTS OF RESIDUAL R/W PINE AND OAK WHICH ARE NOW SAW LOG SIZE, CUT ALL HARDWOODS/JACK PINE EXCEPT WHITE OAK FOR MAST AND LEAVE ALL R/W PINE, PROTECT W3 U.S. WHICH WILL BE THE FEATURED STAND											
19	R6	22	61	60	red pine	two aged	thinning	2			
comnts Fmd : VARIABLE STAND, LARGE RED PINE SAW LOGS WITH R6W2R2 UNDERNEATH, SCATTERED AREAS HEAVY TO HARDWOODS OR W3 AND OTHER AREAS HEAVY TO JACK PINE SAW LOGS WITH R/W PINE PULP UNDERNEATH, APPEARS TO BE MIX OF NATURAL R/W/J PINE AND PLANTED RED PINE, THIN BY REMOVING HARDWOODS/JACK PINE EXCEPT LEAVE SOME OAK FOR MAST, MAY NEED TO MARK SOME R/W PINE PULP IN SPOTS IN ORDER TO MANEUVER LOGGING EQUIPMENT, THIN TO 120 SF											
400	G0	3		57	grass	nonstocked		0	opening maintenance		
comnts Fmd : MAINTAINED OPENING											
404	G0	9		57	grass	nonstocked		0	opening maintenance		
comnts Fmd : CUT 1992, DID NOT REGENERATE TO ASPEN/OAK, SOMEWHAT OF A FROST POCKET, POSSIBLE OPENING CREATION											
Total Acres.....		139									

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 120 **Entry Year: 2009**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
38	O8	36	85	58	oak	two aged		0	planting	

TREATMENT LIMITING FACTORS: Retention of stand for regeneration purposes (ie. shelterwood)

comnts Fmd : REMOVED ASPEN/RED MAPLE IN 1999, NOT MUCH OAK REGENERATION YET, LOTS OF FIREWOOD THEFT OCCURRING, POORER QUALITY MIXED AND WHITE OAK, INTERPLANT RED PINE WHERE ASPEN AND RED MAPLE REGENERATION ARE SPARSE, LONG TERM M.O. FOR THIS STAND WILL BE AN OAK/PINE MIX

Total Acres..... 36

Compartment 120
 T22N, R2W, Sec. 31-33
 County: Roscommon
 Unit: Roscommon
 YOE: 2009
 Acres: 1,088 GIS Calculated
 Stand Examiner: Dale Ekdom
 Map Revised: 9/04/2007
 Map Phase: Pre-Review

Field Map

31 32 33
 N
 MICHIGAN DEPARTMENT OF NATURAL RESOURCES
 DNR

Legend

- Miris Corners
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Trails
- Water Features
- ORV Routes
- Snowmobile Trails
- Stand Boundary
- Biodiversity/Old Growth Area
- 016 - Planting
- 026 - Opening Maintenance
- 400 - Thinning
- 600 - Delayed Removal

