



**ROSCOMMON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 57 ENTRY YEAR: 2008**

**Compartment Acreage: 1325**

**County: Roscommon**

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**Revision Date:** 10-26-2006

**Stand Examiner:** Jason Lewicki

**Legal Description:** T23N R02W Sections 1 & 12

**RMU (if applicable):**N/A

**Management Goals:** To maintain species and structural diversity while managing the ecosystem for health, productivity, sustainability and recreation within the compartment.

**Soil and Topography:** Soils generally are Rifle Peat, Greenwood Peat, Rubicon sand and Saugatuck sand. The topography is flat to gently rolling.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** This entire compartment is under state ownership

**Unique, Natural Features:** Deer research cuttings done in and around 1973. About 90% of all uplands were harvested.

**Archeological, Historical, and Cultural Features:** None found

**Special Management Designations or Considerations:** Two stands in this compartment are coded as potential old growth.

**Watershed and Fisheries Considerations:** Watershed feeds Lake St. Helen and the South Branch of The Ausable River.

**Wildlife Habitat Considerations:** Provide and maintain habitat for a variety of game and non game species. There are two maintained openings in section 1.

**Mineral Resource and Development Concerns and/or Restrictions: Sections 1 & 12, T23N-R2W.** 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 is the Mississippian Michigan Formation. The Michigan is quarried for gypsum in other areas of the State. Most of the good gravel pits are associated with upland areas.

Only sand pits are located in this area and gravel potential appears to be limited. St. Helen Field is located one mile to the northeast. The field has produced over 8.7 million BO and 14.7 Bcf gas from the Devonian Richfield Formation and is in secondary recovery operations currently. There are no leases in the Compartment, but all State lands to the north and west are currently leased.

**Vehicle Access:** Vehicle access is good in this compartment in uplands

**Survey Needs:** None

**Recreational Facilities and Opportunities:** Good vehicle access provides excellent hunting opportunities.

**Fire Protection:** This entire compartment is under state ownership with little urban interface. The compartment has large areas of jack pine as a cover type which could pose a problem in the event of a wildfire. Many other areas have a high water table.

**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

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: 57

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	177																										177
S Black Spruce		75																									75
V Bog or Marsh			92																								92
C Cedar				417																							417
G Grass					12																						12
H Hemlock						18																					18
J Jack Pine							251					10															261
N Marsh											4																4
Q Mx Swmp Cnfr												77															77
R Red Pine																103											103
F Spruce Fir																			7								7
E Swamp Hrdwds																				17							17
U Upland Brush																								1			1
W White Pine																										64	64
<b>Total</b>	177	75	92	417	12	18	251				4	87				103			7	17				1		64	1325

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **57**

**Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	1850 Cds	Hardwood	24 Cds
Softwood	9214 Cds	Softwood	966 Cds
Softwood	1509 Mbf	Softwood	107 Mbf
Sum TotVol	14082 Cds	Sum CutVol	1204 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
1325		88	

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments  
With NO Limiting Factors**

Compartment: 57

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
2	R9	10	58	60	red pine	immature	selection	1	planting		
comnts Fmd : Natural red pine/white pine stand with a few scattered jack pine and aspen. Balsam fir understory in some areas. Thin areas of thicker red and white pine. Creating gaps for white pine and fir regen. Cut all aspen and jack pine Co-manage for red and whit pine. Understory plant a mix of red and white pine if understory becomes understocked.											
12	R9	5	82	55	red pine	mature	seed tree	1	other - specify in remarks		
comnts Fmd : Nice natural red pine stand with some jack and white pine. Seed tree harvest stand leaving nice crowned red pine for seed (10 BA). RX burn pre and post harvest to consume duff layer and create seed bed. Last burn must be held during late summer to have mineral soil exposed for seed drop. Periodic burns may be necessary if regen is not established during first try.											
33	R6	50	71	58	red pine	immature	selection	1			
comnts Fmd : R7/J6 stand has understory of red pine and white pine. Some scattered oak regen. Cut all jack pine and mark some red and white pine in thicker areas. Manage for a mix white and red pine stand.											
34	J6	10	50	58	mixed swamp conifer	immature	removal	1	planting		
comnts Fmd : Mix stand of old jack pine, white pine and black spruce. A few red pines. Heavy understory of red maple, white pine and spruce. Overstory removal cutting all jack pine and a few spruce and white pine for operability. Leave jack pine tops for seed. Plant jack pine in understocked areas if seeding fails. Create "rabitat" by leaving 2 or more brush piles/acre.											
36	J6	13	60	58	jack pine	immature	final harvest	1	planting		
comnts Fmd : Jack pine stand where S1/3 of stand is wetter and mixed with black spruce. North end turns to jack pine with scattered red pine sawtimber. Plant north end to jack pine. Dry summer or cold winter operational period. Leave some scattered red pine. Create "rabitat" by having producer create 2 or more brush piles/acre.											
442	G0	7			grass	nonstocked		0	opening maintenance		
443	G0	3			grass	nonstocked		0	opening maintenance		
Total Acres.....		98									

**Proposed Treatments  
With Limiting Factors**

**Compartment: 57**

**Entry Year: 2008**

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

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Total Acres..... 0

