



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 21 ENTRY YEAR: 2008

Compartment Acreage: 1328 County: Roscommon

Revision Date: 10-15-2005

Stand Examiner: J. Hartman

Legal Description: T24N R4W sections 5 and 6

RMU (if applicable): Not Applicable

Management Goals: Balance age classes and enhance in-stand diversity of various cover types providing a range of stand structures and habitats.

Soil and Topography: Terrain consists of mostly level outwash plain of Grayling Sand to the east and hilly pitted outwash deposits of Roselawn Sand to the west.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Most of this compartment is solid state ownership with the exception of parts of the SW quarter of section 6.

Unique, Natural Features: Eagle nests and rough fescue have been found in the compartment. Potential exists for dusted skipper, grizzled skipper, and red-legged spittlebug in open jack pine. Potential also exists for secretive locust in bog habitat.

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

Special Management Designations or Considerations: Stands 30 and 31 were designated as potential old growth in the 2000 plan for the Roscommon Unit. No additional SCA's were nominated during this entry period. No HCVA's or ERA's are present.

Watershed and Fisheries Considerations: There is a small kettlehole in the northeast quarter of section 5.

Wildlife Habitat Considerations: The eastern portion of this compartment is primarily plantation. The western side transitions to mostly upland oak that has been clear-cut. Overall, the compartment lacks in-stand diversity, retention, and structural complexity. Enhancing these qualities should be a primary goal in the small stands that are proposed.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 1,000 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. The nearest gravel pit is located just to the west and potential appears to be good in upland areas. East Norwich Field is located to the south. The field has produced over 15.9 million BO and 15.7 Bcf gas primarily from the Devonian Richfield Formation. It is in secondary recovery operations currently. There is one old lease held-by-production in Section 6.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: Snowmobile and ORV trails both run through this compartment.

Fire Protection: There is excellent access throughout the compartment. The kettlehole lake in the northeast corner could be used as a water point. The thick jack pine plantations on the east side of the compartment could be problematic.

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: 21

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	STAND AGE CLASS																Total	
		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
Aspen			48		15														63
Grass	2																		2
Jack Pine		160	79	42	175														456
LowInd Brush	4																		4
Marsh	3																		3
Mx Swmp Cnfr								17											17
Non Stocked	19																		19
Oak		185						7	81	24	3							6	306
Red Pine		182	97		97	38		12	25										451
Water	1																		1
White Pine								3		3									6
Total	29	527	224	42	287	38		39	106	27	3							6	1328

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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: 21

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	63																										63
G Grass					2																						2
J Jack Pine							456																				456
L LowInd Brush									4																		4
N Marsh											3																3
Q Mx Swmp Cnfr												17															17
X Non Stocked													19														19
O Oak														306													306
R Red Pine																451											451
Z Water																									1		1
W White Pine																										6	6
Total	63				2		456		4		3	17	19	306		451									1	6	1328

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: 21

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	295 Cds	Hardwood	117 Cds
Hardwood	492 Mbf	Hardwood	17 Mbf
Softwood	2302 Cds	Softwood	178 Cds
Softwood	234 Mbf	Softwood	61 Mbf
Sum TotVol	4049 Cds	Sum CutVol	451 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
1328		62	

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 21

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
3	O8	7	59	50	oak	immature	shelterwood-prep	3			
comnts Fmd : Mix of oak, RP, WP, and JP. No red maple competition present. Spec cut jack pine and mark the rest to cut leaving a healthy oak pine mixture. Carry the treatment into compartment 18 to the east.											
13	O8	24	76	55	oak	immature		0	other - specify in remarks		
comnts Fmd : Shelterwood-prep completed in 1990. Rx burn to set-back red maple stump sprouts, but not torch mid-story white pine. Long-term mixed oak/pine management.											
21	R6	12	36	55	red pine	immature	thinning	2			
comnts Fmd : Plantation in a valley. Needs to be marked to cut.											
26	R6	7	36	55	red pine	immature	thinning	2			
comnts Fmd : First thin that needs to be marked due to curvy rows. Lots of doubles as well.											
28	O9	21	86	60	oak	mature	shelterwood-prep	2			
comnts Fmd : More of a black oak-white oak overstory/ wp understory near top of ridge to the north and more of a northern red oak overstory / red maple understory on the south side. Treat as one stand. Mark to cut leaving 50-70 ft of residual based primarily on stem quality and species diversity. Shortwood to protect oak and pine regeneration. Could be a prep contract.											
105	R9	6	58	50	red pine	two aged	removal	3			
comnts Fmd : Mix of natural red pine monarchs and planted and natural understory red pine. Mark to cut for overstory removal and thin the cull from below for felling. Leave some of the large overmature red pine that would do more damage felling. Age is on co-dominant.											
129	W9	3	78	65	white pine	immature	thinning	2			
comnts Fmd : Mark to cut removing low quality stems. Very good WP site.											
135	R9	6	58	50	red pine	two aged	removal	3			
comnts Fmd : Part of stand 5 where the jack pine was not taken out. Spec cut jack pine. Mark to cut for overstory removal and thin the cull from below for felling. Leave retention of some overmature red pine that would do more damage felling.											
213	O8	19	76	55	oak	two aged		0	other - specify in remarks		
comnts Fmd : Shelterwood-prep completed in 1990. Rx burn to set-back red maple stump sprouts, but not torch mid-story white pine. Long-term mixed oak/pine management.											
Total Acres.....		105									

**Proposed Treatments
With Limiting Factors**

Compartment: 21

Entry Year: 2008

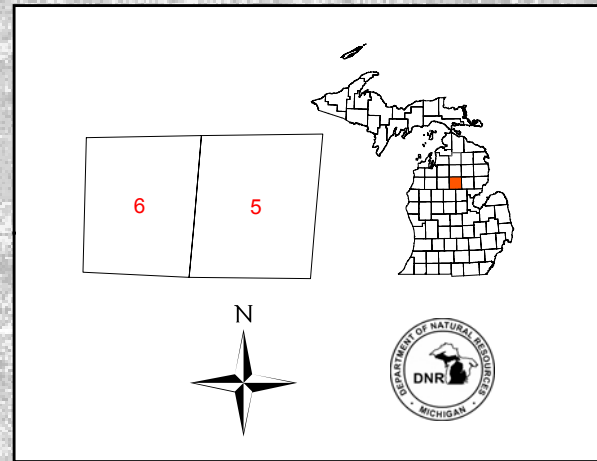
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 21
 T24N, R04W, Sec. 5-6
 County: Roscommon
 Unit: Roscommon
 YOE: 2008
 Acres: 1,328 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 10/30/2006
 Map Phase: Pre-review



Legend

- Miris Corners
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Trails
- Snowmobile Trails
- Stand Boundary
- Biodiversity/Old Growth Area
- 028 - Opening Maintenance/Other
- 097 - Other/Prescribed Burning
- 400 - Thinning
- 500 - Removal
- 700 - Shelterwood-prep

