



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 149 ENTRY YEAR: 2007

Compartment Acreage: 1863 County: Roscommon

Revision Date: 10-15-2005

Stand Examiner: G. Taurence and J. Hartman

Legal Description: T21N R4W sections 4, 5, and 6

RMU (if applicable): Not Applicable

Management Goals: Enhance landscape, compartment, and in-stand diversity in a range of early and late successional habitats.

Soil and Topography: Soils include Rifle Peat, Lupton Muck, Saugutuck Sand, and Newton Sand. Digitized Kotar types include transitions and inclusions of wetland, PArVCo, and PArVHa. Two ~20ac pockets in section 5 are digitized as AFO type. Pre-settlement forest was dominated by mixed conifer swamp, white pine-red pine, and hemlock-white pine forest.

Ownership Patterns, Development, and Land Use in and Around the Compartment: A majority of the compartment is state owned. The only private quarter is the southeast quarter of the northeast quarter of section 4. This parcel is the entrance to the 1600 acre tract owned by Frankel S. Development Company.

Unique, Natural Features: Osprey and Boreal brachionyncha have been identified in this compartment. great blue heron, common loon, slippershell mussel, wood turtle, and massasauga exist in contiguous compartments. Potential exists for Blanding's turtle, black tern, yellow rail, king rail, least bittern, American bittern, marsh wren, common moorhen, red-shouldered hawk, and goshawk. Other unique features include Bear Creek Flooding and Detroit News Reforestation Plantations (1930).

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

Special Management Designations or Considerations: Some potential old-growth has been identified from previous inventory. These areas will be analyzed through the biodiversity planning process.

Watershed and Fisheries Considerations: The dam for the Bear Creek Flooding is located on the west edge of the compartment to the south.

Wildlife Habitat Considerations: The eastern and edge of this compartment is heavily traveled, but the center and western portions provide good interior forest cover with various habitats.

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 clay elsewhere in the State. A gravel pit is located one mile to the north, but potential may be

limited. Headquarters Field is located four miles to the southeast. The field has produced over 11.3 million BO and 4.2 Bcf gas primarily from the Devonian Richfield Formation. It is in secondary recovery operations currently. The Compartment is not currently leased.

Vehicle Access: Seasonal county roads are the only access to this compartment. Forest roads are in good condition. Sparrow Rd. is groomed and used as a snowmobile trail in the winter.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: Hunting and trapping opportunities are abundant. The snowmobile trail crosses through the western edge of the compartment. An MDOT rest area on US 127 is located in the southeast corner.

Fire Protection: This compartment has little in the way of hazardous fuels and has good access during fire seasons.

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: 149

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	497																										497
S Black Spruce		9																									9
V Bog or Marsh			60																								60
G Grass					3																						3
J Jack Pine							140									3											143
L LowInd Brush									14			8															22
N Marsh											373																373
Q Mx Swmp Cnfr												287															287
O Oak														65													65
R Red Pine							12								136												148
F Spruce Fir																			36								36
E Swamp Hrdwds																				36							36
D Treed Bog																						17					17
Z Water																									84	84	
W White Pine																										83	83
Total	497	9	60		3		152		14		373	295		65		139			36	36		17			84	83	1863

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **149**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	6152 Cds	Hardwood	382 Cds
Hardwood	1043 Mbf	Hardwood	44 Mbf
Softwood	6822 Cds	Softwood	182 Cds
Softwood	3203 Mbf	Softwood	231 Mbf
Sum TotVol	21466 Cds	Sum CutVol	1114 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	64
1863			

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 149 **Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
24	A6	27	39	55	aspen (upland)	two aged	final harvest	2		
comnts Fmd : Mix of young pine and QA and larger diameter oak, red maple, and BTA. Clear-cut w/ reserves for early successional habitat along flooding. Leave all pine <8" dbh. Mark mast trees and a few birch to leave. Cut into E-type on south end where operable. Put with contiguous sale in Cadillac Unit comp. 98.										
27	A5	5	75	55	aspen (upland)	mature	final harvest	1		
comnts Fmd : Cut with stands in adjacent compartment at some future entry. G.T. 11/04										
39	R9	12	75	60	jack pine	mature	final harvest	1		
comnts Fmd : High water table jack and red pine w/ red maple understory. Clear-cut w/ reserves. Mark 20 sq. ft RP to leave for visuals along highway. Leave all oak. Make sure all red maple is cut down to 2" dbh. Set contract to leave tops scattered for jack pine regen.										
52	A9	4	80	55	aspen (upland)	mature	final harvest	1		
comnts Fmd : Stand has large overstory trees; not much volume to harvest; stand is important for transition type from lowland to even aged aspen stand. G.T. 11/04. Need to look at again. Put with sale to the south and stand in Cadillac comp. 98.										
78	J9	3	46	50	red pine	mature	final harvest	1		
comnts Fmd : High water table. Decadent jack pine with large overstory red pine; G.T. 11/04. Plant with stand 80. Good location for traditional plantation, but may need intensive site prep to control red maple.										
80	R9	13	81	55	red pine	mature	final harvest	1	planting	
comnts Fmd : Cut and replant to red pine. G.t. 11/04. Hummocky w/ high water table. Good location for traditional plantation, but may need intensive site prep to control red maple. May dip into parts of stand 43, but generally use stand 43 as buffer from highway.										
Total Acres.....		64								

**Proposed Treatments
With Limiting Factors**

Compartment: 149 **Entry Year: 2007**

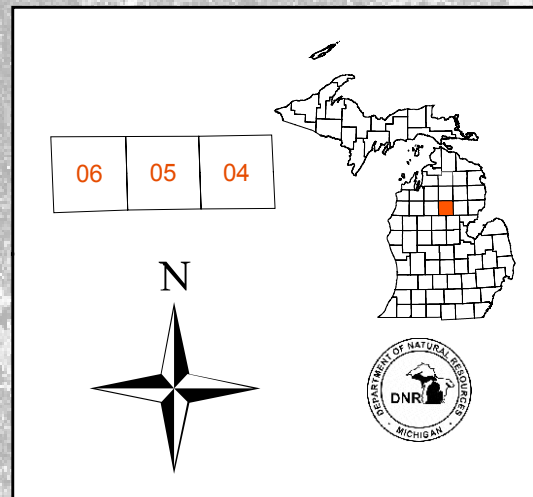
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 149
 T21N, R4W, Sec. 4-6
 County: Roscommon
 Unit: Roscommon
 YOE: 2007
 Acres: 1,863 GIS Calculated
 Stand Examiner:
 Glenn Taurence/Jason Hartman
 Map Revised: 10/20/2005
 Map Phase: Pre-review



- Legend**
- Miris Corners
 - Paved Roads
 - Gravel Roads
 - Poor Dirt Roads
 - U.S. Highway
 - Stand Boundary
 - Biodiversity/Old Growth Area
 - 100 - Final Harvest
 - 116 - Final Harvest/Planting
- Name** County Paved Roads
Name Public Gravel Roads

