



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 70 ENTRY YEAR: 2008

Compartment Acreage: 1150 GIS County: Roscommon

Revision Date: 10/9/06

Stand Examiner: D. Ekdorn

Legal Description: T23N R4W Sections 1,12,13,23,24

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: Topography is level to slightly rolling with very poor to moderately poor drainage within the compartment. Soils are Grayling sand and Bergland loam in the upland areas of the compartment and rifle peat in the swamps and drainages.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Compartment is a solid block of state land in the northern portion of the compartment and isolated state parcels surrounded by residential property in the southern portion of the compartment.

Unique, Natural Features: Portions of this compartment are within ¼ mile of Houghton Lake and contains the eastern most lands of the Dead Stream Swamp.

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

Special Management Designations or Considerations: The Dead Stream Swamp is an HCVA.

Watershed and Fisheries Considerations: Houghton Lake and drainages flowing into the lake.

Wildlife Habitat Considerations: Maintain ecosystem diversity in the compartment via 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 peat and muck and 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 elsewhere in the State. Most of the nearby gravel pits are associated with upland areas. There is a gravel pit in Section 13, but otherwise and gravel potential appears to be limited. Enterprise Field is located five miles to the southwest. The field has produced over 4.7 million BO primarily from the Devonian Richfield Formation and is in secondary recovery operations currently. The Compartment is not currently leased.

Vehicle Access: Access is good to the perimeter of the compartment and through the center via county roads. Access to the interior of the compartment is poor due to the wet terrain.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: Dispersed recreational opportunities only like hunting, fishing, and trapping.

Fire Protection: Fire protection should not be a problem in the compartment due to the wet terrain. However, in an extremely dry year, fire suppression in the swamps could be a problem due to the muck soils.

Additional Compartment Information: 48 acres of proposed final harvest in aspen. 16 acres of proposed shelter-wood cuts in oak. 15 acres of wildlife opening maintenance.

- **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: 70

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	180																										180
V Bog or Marsh			12																								12
C Cedar				319																							319
G Grass					29																						29
L Lowlnd Brush									125																		125
O Oak														16													16
F Spruce Fir																			92								92
E Swamp Hrdwds																				368							368
D Treed Bog																							9				9
Total	180		12	319	29				125					16					92	368			9				1150

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **70**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	5217 Cds	Hardwood	1009 Cds
Hardwood	1246 Mbf	Hardwood	101 Mbf
Softwood	4114 Cds	Sum CutVol	1211 Cds
Softwood	258 Mbf		
Sum TotVol	12339 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	64
1150			

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 70

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
1	O9	16	81	52	oak	mature	shelterwood-seed	2	natural regeneration		
comnts Fmd : SHELTERWOOD TO GET MORE OAK STARTED, VERY OPEN UNDERSTORY BUT SOME OAK SEEDLINGS STARTED IN OPEN SPOTS, FAVOR LARGE CROWNED WHITE OAK FOR RETENTION AS MAST TREES, ANY MIX OF OAK/ASPEN/RED MAPLE IS ACCEPTABLE AS REGENERATION, INTERPLANT RED PINE OR BURN IF NO REGENERATION RESULTS											
4	A6	35	33	51	aspen (upland)	immature	final harvest	1	natural regeneration		
comnts Fmd : IMMATURE/MATURE ASPEN (2 AGED), CUT NOW FOR BETTER ASPEN AGE CLASS DISTRIBUTION, SOME HYPOXALIN CANKERS AND CONKS, SCATTERED OAK SAWLOGS, ANY MIX OF ASPEN/OAK/RED MAPLE IS ACCEPTABLE AS REGENERATION, SEED JACK PINE IF REGENERATION FAILS											
400	G0	3			grass	nonstocked		0	opening maintenance		
comnts Fmd : MAINTAINED WILDLIFE OPENING											
402	G0	12			grass	nonstocked		0	opening maintenance		
comnts Fmd : MAINTAINED WILDLIFE OPENING, NO LOGGING EQUIPMENT IN THIS STAND WHEN ADJACENT STANDS ARE CUT											
Total Acres.....		66									

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 70

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
5	A5	13	74	50	aspen (upland)	mature	final harvest	1	natural regeneration	

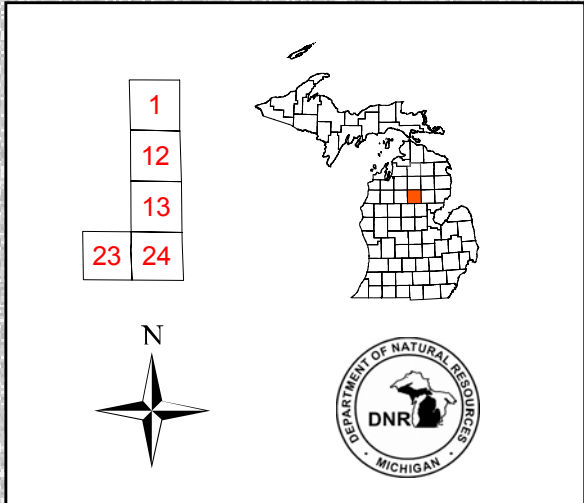
TREATMENT LIMITING FACTORS: Too wet

comnts Fmd : A5F2L, MOST ASPEN GONE OR ON THE WAY OUT, CUT AS MUCH OF THIS STAND AS POSSIBLE WITH STAND #4, CONVERTING TO SWAMP CONIFERS, ANY REGENERATION IS ACCEPTABLE, SEED JACK PINE IF REGENERATION FAILS

Total Acres..... 13

Field Map

Compartment 70
 T23N, R04W, Sec. 1, 12-13, 23-24
 County: Roscommon
 Unit: Roscommon
 YOE: 2008
 Acres: 1,164 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 10/30/2006
 Map Phase: Pre-review



Legend

- Miris Corners
- County Gravel Roads
- Paved Roads
- Poor Dirt Roads
- Powerlines
- Stand Boundary
- 026 - Opening Maintenance
- 148 - Final Harvest/Natural Regeneration/Other
- 348 - Shelterwood-seed/Natural Regeneration/Other

