



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 13 ENTRY YEAR: 2009

Compartment Acreage: 1069 County: Roscommon

Revision Date: 4-11-2007

Stand Examiner: Jason Lewicki

Legal Description: T24N R02W Sections 8 & 17

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 Grayling and Saugatuck sand. The topography is very flat and level with the exception of the lowland areas around Robinson Creek.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Much of this compartment is under state ownership. The north part of section 8 is private property including the Village of Roscommon.

Unique, Natural Features: Robinson Creek, a tributary to the South Branch of the AuSable River. This creek falls under Natural Rivers designation.

Archeological, Historical, and Cultural Features: None known

Special Management Designations or Considerations: This compartment lies within the Forest Fire Experiment Station (FFES). Due to this the entire compartment is an SCA. Robinson Creek is a "HCVA" under the natural rivers act.

Watershed and Fisheries Considerations: South Branch of The Ausable River.

Wildlife Habitat Considerations: Provide and maintain habitat for a variety of game and non game species.

Mineral Resource and Development Concerns and/or Restrictions: Sections 8 & 17, T24N-R2W, Roscommon County

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 Mississippian Michigan Formation and Marshall Sandstone. The Michigan is quarried for gypsum and the Marshall was previously used as a building stone in other areas of the State. Most of the good gravel pits are associated with upland areas. A gravel pit is located in Section 8 and there could be potential. St. Helen Field is located four miles to the southeast. 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. None of the State land in the Compartment is currently leased.

Vehicle Access: Vehicle access is very good in this compartment.

Survey Needs: None

Recreational Facilities and Opportunities: Good vehicle access provides excellent hunting opportunities. The snowmobile trail runs through this compartment.

Fire Protection: The compartment has large areas of jack pine as a cover type which could pose a problem in the event of a wildfire. Due to its proximity to the Village of Roscommon there is a high wild land/urban interface.

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: 13

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	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	Total
Aspen								14											14
Black Spruce								17											17
Bog or Marsh	22																		22
Jack Pine		34	150	104	220		21	26		68									623
Lowlnd Brush	36																		36
Mx Swmp Cnfr									39										39
Non Stocked	23									8									31
Oak		40		22															62
Red Pine			58		41	9		6											114
Swamp Hrdwds						28													28
Treed Bog	13																		13
White Pine						40	21							9					70
Total	94	74	208	126	261	77	42	63	39	76				9					1069

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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: 13

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	14																										14
S Black Spruce		17																									17
V Bog or Marsh			22																								22
J Jack Pine							623																				623
L Lowlnd Brush									36																		36
Q Mx Swmp Cnfr												39															39
X Non Stocked													31														31
O Oak														62													62
R Red Pine															114												114
E Swamp Hrdwds																			28								28
D Treed Bog																							13				13
W White Pine																										70	70
Total	14	17	22				623		36			39	31	62	114				28				13			70	1069

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **13**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	1109 Cds	Hardwood	36 Cds
Hardwood	29 Mbf	Softwood	709 Cds
Softwood	3162 Cds	Softwood	63 Mbf
Softwood	318 Mbf	Sum CutVol	871 Cds
Sum TotVol	4965 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	71
1069			

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 13

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
14	J6	8	85	55	jack pine	mature	delayed removal	1		
comnts Fmd : Small stand of mature jack pine. Stand has been hit several times with budworm and is in decline. Many jack pine already dead and on the ground. Stand has advanced oak regeneration and jack pine in understory. Harvest stand doing an overstory removal and protecting oak and pine understory.										
24	J6	10	85	50	jack pine	mature	delayed removal	1		
comnts Fmd : Small stand of very old jack pine. Good jack pine and advanced oak regeneration throughout the stand. Numerous cavity/nesting holes in dead and live jack pine. Stand has been hit with jack pine budworm and crowns of live trees are in decline. Over story removal harvest and protect oak and pine understory. Save jack pine with woodpecker damage for future nesting trees.										
25	J5	10	85	50	jack pine	immature	delayed removal	1		
comnts Fmd : Small stand of old jack pine with 2-4" dbh jack pine understory. Harvest overstory jack pine and protect understory for future stand.										
32	J5	20	85	57	jack pine	mature	delayed removal	1		
comnts Fmd : Old 85 year oold jack pine experiencing rapid decline. Budworm damage evident in tops. Great advanced oak regeneration 1-4" as well as jack pine. Overstory removal harvest leaving all oak and jack pine 6" and under. Buffer stand on north and west side of stand along PVT property. Use as instand retention.										
Total Acres.....		48								

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 13

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
21	J5	23	65	60	jack pine	mature	delayed removal	1		

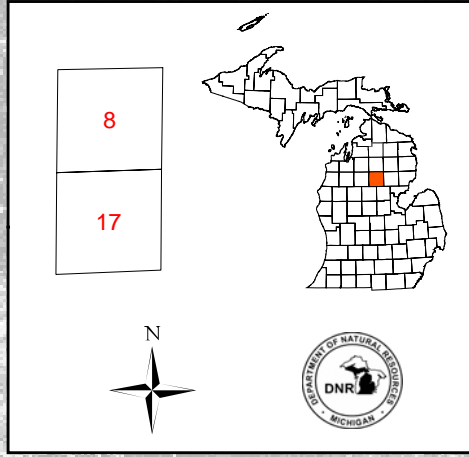
TREATMENT LIMITING FACTORS: Adjacent landowner denies access

comnts Fmd : Older jack pine growing on high water table. In decline. Some wet areas with red maple in understory. Other areas have whit pine and oak in understory. Overstory removal harvest. Future stand would probably be oak and white pine where drier and red maple on wetter ground. Would expect some natural jack pine regeneration due to high water table.

Total Acres..... 23

Field Map

Compartment 13
 T24N, R02W, Sec. 8, 17
 County: Roscommon
 Unit: Roscommon
 YOY: 2009
 Acres: 1,069 GIS Calculated
 Stand Examiner: Jason Lewicki
 Map Revised: 9/04/2007
 Map Phase: Pre-Review



- Legend**
- Miris Corners
 - County Gravel Roads
 - Highways
 - Paved Roads
 - Gravel Roads
 - Poor Dirt Roads
 - Trails
 - Water Features
 - State Highway
 - ORV Trails
 - Snowmobile Trails
 - Stand Boundary
 - Biodiversity/Old Growth Areas
 - 600 - Delayed Removal

