



**ROSCOMMON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 166    ENTRY YEAR: 2009**

**Compartment Acreage: 1266      County: Roscommon**

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**Revision Date:** 3/16/07

**Stand Examiner:** D. Ekdorn

**Legal Description:** T21N R3W Sections 23 and 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:** Terrain is level glacial outwash on the south end of the compartment and moderately rolling ice contact moraines on the north end of the compartment. Soils are Grayling, Roselawn, and Rubicon sands and Ottawa loamy sand.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Compartment is a solid block of state land and is surrounded by state land except for Mid Forest Lodge on the east side of the compartment.

**Unique, Natural Features:** None

**Archeological, Historical, and Cultural Features:** Numerous narrow gauge railroad grades (circa 1900) were found and should be preserved.

**Special Management Designations or Considerations:** Stand #37 has been proposed as an SCA due to its being a natural pine stand. Proposed cuts adjacent to this stand will be smaller than prescribed due to buffers around this SCA.

**Watershed and Fisheries Considerations:** A broad drainage area in the N1/2NE Section 23 and a cedar stand in a natural seep area in the NWSW Section 24 will need to be protected.

**Wildlife Habitat Considerations:** Maintain ecosystem diversity in the compartment via regular 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 ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 800 feet. Beneath the glacial drift is the Pennsylvanian Saginaw Formation. The Saginaw is quarried for brick making clay elsewhere in the State. A gravel pit is located two miles to the east and potential appears to be good on the uplands. Headquarters Field is located one mile to the west. The field has produced over 11.3 million BO and 4.2 Bcf gas primarily from the Devonian Richfield Formation and is in secondary recovery operations currently. The Compartment is not currently leased.

**Vehicle Access:** Vehicle access to the compartment is generally good via state and county roads and quarter section roads which are old fire breaks. Some of these fire break roads are closing in naturally and others may need to be closed due to erosion concerns on hills.

**Survey Needs:** None necessary at this time.

**Recreational Facilities and Opportunities:** Compartment has many sites used for dispersed camping during hunting seasons. There are also ORV, MCCC, and snowmobile trails running through Section 23 which are heavily used during these seasons.

**Fire Protection:** Fire suppression in this compartment could be a concern due to the presence of red/jack pine fuel types in parts of this compartment. This compartment is in Zone 4 for fire dispatch.

**Additional Compartment Information:** Visuals aesthetics are a concern in this compartment, especially along M-18, but also along Pond Road and the snowmobile trail. A large percentage of aspen in the compartment is in the 30-39 year old age class and needs to be broken up for better aspen age class distribution in the compartment and in the Roscommon FMU. Proposed treatments in this compartment include 98 acres of final harvests in aspen and jack pine, 44 acres of shelterwood harvests in oak, and 135 acres of thinnings in oak, red pine, and white pine.

- **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: 166

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	337																										337	
C Cedar				4																							4	
G Grass					10																						10	
J Jack Pine							169									28											197	
Q Mx Swmp Cnfr												9															9	
X Non Stocked													10														10	
O Oak														402													402	
R Red Pine																205											205	
U Upland Brush																								8			8	
M Upland Hdwds																									5		5	
Z Water																									12		12	
W White Pine																										67	67	
Total	337			4	10		169					9	10	402		233								8	5	12	67	1266

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **166**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	8726 Cds	Hardwood	2744 Cds
Hardwood	2435 Mbf	Hardwood	346 Mbf
Softwood	3436 Cds	Softwood	775 Cds
Softwood	1602 Mbf	Softwood	230 Mbf
Sum TotVol	20236 Cds	Sum CutVol	4671 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
1266		277	

**ROSCOMMON FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 166 Entry Year: 2009**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
<b>7</b>	<b>O9</b>	16	80	58	oak	immature	thinning	2		
comnts Fmd : OAK STAND WITH AREAS HEAVY TO RED MAPLE AND/OR ASPEN, WHITE PINE SAPS/POLES AND RP SAWLOGS SCATTERED THROUGHOUT STAND, THIN BY REMOVING A/RM AND MARKING SOME OAK TO CUT, RETAIN R/W PINE COMPONENT THROUGHOUT STAND										
<b>8</b>	<b>W6</b>	24	35	58	white pine	immature	thinning	2		
comnts Fmd : MIX OF GOOD QUALITY RED OAK / WHITE PINE AND POORER QUALITY MIXED OAK, THIN TO 120 S.F. AND MANGE FOR A MIXED STAND OF PINE AND OAK										
<b>15</b>	<b>O9</b>	34	90	67	oak	immature	thinning	2		
comnts Fmd : THINNED IN 1990 BY REMOVING ASPEN, RED MAPLE & BIRCH, FAIR TO GOOD QUALITY OAK LEFT, OAK BETTER QUALITY THAN STAND #16, THIN TO 90 S.F./RETAIN CONIFER COMPONENT/FAVOR WHITE OAK WHERE FEASIBLE, COULD ALSO CREATE A FEW LARGER OPENINGS TO START OAK REGENERATION										
<b>16</b>	<b>O9</b>	44	83	58	oak	mature	shelterwood-seed	1	natural regeneration	
comnts Fmd : MIX OF OAK AND RED MAPLE WITH A FEW SCATTERED AREAS OF ASPEN CLONES AND SOME SCATTERED ASPEN ALSO, OAK FAIR TO POOR QUALITY, SOME AREAS HAVE HEAVY WP IN THE U.S. (ESP. NW CORNER), SEED TREE BY CUTTING EVERYTHING BUT WO/RP/WP AND MARK 10 S.F. OF RED OAK WITH GREEN TO LEAVE FOR RETENTION/DIVERSITY, LEAVE AREAS WITH W3 U.S. FOR RETENTION ALSO, ANY COMBINATION OF O/A/RM REGENERATION TO A FULLY STOCKED STAND IS ACCEPTABLE, INTERPLANT/ PLANT RED PINE IF O/A/M REGENERATION FAILS										
<b>22</b>	<b>J6</b>	28	48	57	red pine	mature	final harvest	1	planting	
comnts Fmd : MIX OF JACK PINE AND OAK WITH SCATTERED ASPEN AND R/W PINE, CLEARCUT AND PLANT RED PINE, RETAIN SMALLER WHITE PINE AND OAK ALONG SNOWMOBILE TRAIL FOR VISUAL OR LEAVE 2-3 ISLANDS ALONG SNOWMOBILE FOR RETENTION AND VISUAL, POSSIBLY LEAVE PART OF STAND EAST OF ORV TRAIL FOR RETENTION, DO NOT PLANT AREAS WHICH REGENERATE TO A3										
<b>35</b>	<b>O9</b>	34	90	60	oak	mature	thinning	2		
comnts Fmd : REMOVED ASPEN AND RED MAPLE IN 2002, STAND CONSISTS OF GOOD QUALITY RED OAK AND DECNT QUALITY WHITE OAK, TREAT WITH HEAVY THINNING OR LIGHT SHELTERWOOD CUT, THIN TO 80-90 S.F. RETAINING HIGHER QUALITY RED/WHITE OAK										
<b>40</b>	<b>A9</b>	5	80	50	aspen (upland)	mature	final harvest	3	natural regeneration	
comnts Fmd : SEASONALLY WET BROAD DRAINAGE/WATER COLLECTION AREA, BLENDS INTO STAND #31, ON WEST AND NORTH SIDE MOST POPPLE IS DEAD/DYING/DECLINING WITH SOME BLOWDOWN OCCURRING, WEST AND NORTH PARTS ARE HEAVY TO WHITE BIRCH/COTTONWOOD, EAST PART MOSTLY YOUNGER T. ASPEN, FINAL HARVEST AS MUCH OF THIS STAND AS POSSIBLE FOR ASPEN MANAGEMENT, LEAVE CEDAR AND MARK SOME OAK TO LEAVE FOR MAST/DIVERSITY, DORMANT SEASON CUT ON DRY/FROZEN GROUND, ANY REGNERATION TO A FULLY STOCKED STAND IS ACCEPTABLE										
<b>41</b>	<b>M9</b>	5	80	65	northern hardwood	immature	thinning	2		
comnts Fmd : UPLAND RED MAPLE STAND WITH SCATTERED W.P./HEMLOCK/BEECH/BASSWOOD/SUGAR MAPLE, T.S.I. CUT THINNING TO 140 S.F. AND MANAGING FOR THE BEST TREE IN PLACE, SELECT MARK IN 10 YEARS, SOME BLOWDOWN OCCURRING DUE TO SOFTER GROUND, CUT IN DORMANT SEASON ON DRY/FROZEN GROUND										
<b>103</b>	<b>R9</b>	3	80	60	red pine	immature	thinning	2		
comnts Fmd : REMOVED HARDWOODS IN 1990 ON NORTH END OF STAND, SOUTH END STILL HAS A HARDWOOD COMPONENT, R9 WITH SCATTERED H.W'S AND JACK PINE, THIN TO 90-120 SF REMOVING MOST HARDWOODS AND JACK PINE ON THE SOUTH END OF THE STAND AND SUPPRESSED/LOW QUALITY RED PINE THROUGHOUT THE STAND										
<b>109</b>	<b>W6</b>	19	80	58	white pine	immature	thinning	2		
comnts Fmd : R/W OAK OF DECENT QUALITY TO POOR QUALITY OVERTOP AND MIXED WITH WHITE PINE, THIN TO 120 S.F. BY TAKING SMALLEST OAK FIRST, POORER QUALITY OAK, SECOND, AND POORER QUALITY WHITE PINE THIRD, MANAGE FOR A MIX OF WHITE PINE AND OAK, RO S.I. = 58										
<b>111</b>	<b>A6</b>	16	34	68	aspen (upland)	immature	final harvest	2	natural regeneration	
comnts Fmd : EQUAL MIX OF ASPEN/RED MAPLE, CUT NOW FOR BETTER ASPEN DISTRIBUTION IN THE COMPARTMENT AND ON THE ROSCOMMON UNIT, LEAVE WETTER AREAS OUT OF SALE FOR RETENTION, ANY A/O/RM TO A FULLY STOCKED STAND IS ACCEPTABLE										

**ROSCOMMON FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 166 Entry Year: 2009**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
<b>119</b>	<b>A6</b>	23	34	65	aspen (upland)	immature	final harvest	2	natural regeneration	
comnts Fmd : NICE A6, CUT NOW FOR BETTER ASPEN AGE CLASS DISTRIBUTION IN THE COMPARTMENT AND ON THE ROSCOMMON UNIT. LEAVE SOME SORT OF BUFFER ALONG SNOWMOBILE TRAIL (ISLANDS?? OR LEAVE PORTION BETWEEN S.M.T.) FOR VISUAL AND RETENTION AND BUFFER NEXT TO STAND #37 FOR RETENTION, STAND MAY BE SMALLER THAN INVENTORY SHOWS DUE TO VARIABLITY OF MERCHANTABILITY										
<b>122</b>	<b>J6</b>	26	48	57	jack pine	mature	final harvest	1	planting	
comnts Fmd : MIX OF JACK PINE AND OAK WITH SCATTERED ASPEN AND R/W PINE, CLEARCUT AND PLANT JACK PINE, RETAIN SMALLER WHITE PINE AND OAK ALONG SNOWMOBILE TRAIL FOR VISUAL OR LEAVE 2-3 ISLANDS ALONG SNOWMOBLIE TRAIL FOR RETENTION AND VISUAL, LEAVE BUFFER ON STAND #37 FOR RETENTION, DO NOT PLANT AREAS WHICH REGENERATE TO A3										
<b>Total Acres.....</b>		<b>277</b>								

**Proposed Treatments  
With Limiting Factors**

**Compartment: 166**

**Entry Year: 2009**

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<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.....**      **o**

