



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 61 ENTRY YEAR: 2009

Compartment Acreage: 1280 County: Roscommon

Revision Date: 2/27/06

Stand Examiner: D. Ekdom

Legal Description: T23N R2W Sections 9 and 16

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 mostly flat outwash plain except in the NW of section 9 which has ice contact ridges with moderately steep hills. Soils are primarily Rubicon sand in the NW of section 9 and Greenwood peat in the rest of the compartment.

Ownership Patterns, Development, and Land Use in and Around the Compartment: 100% state land and totally surrounded by state land.

Unique, Natural Features: None, however, there is good potential for bald eagles, osprey, loons, great blue herons, and other marsh birds. Potential for red-shouldered hawk and goshawk in the hardwood stands. Potential for ram's head orchid, calypso orchid, and limestone oak fern in the swamps.

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

Special Management Designations or Considerations: None

Watershed and Fisheries Considerations: Much of the compartment is swamp or bog and has wet terrain. Therefore, any proposed cuts should take BMP's into consideration.

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 ice-contact and 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. The State's Nine-Mile Pit is located one-half mile to the west, but gravel potential is limited to the upland areas in Section 9. St. Helen Field is located four miles to the northeast. 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. There are no leases in the Compartment, currently.

Vehicle Access: Vehicle access to the north and west end of the compartment is seasonal via seasonal county roads and state forest two-tracks.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: Mostly dispersed recreation such as hunting and gathering. There is a portion of the Geels ORV trail in the north end of the compartment.

Fire Protection: Much of the compartment is either hardwoods or swamp so fire protection should not be a problem except in dry years.

Additional Compartment Information: Proposed treatments include 16 acres of final harvests in aspen, 26 acres of shelterwood harvests in oak, and 16 acres of thinnings in oak. Proposed non-commercial treatments include 4 acres of wildlife opening development, and 45 acres of planting/seeding of red pine and jack pine in lightly stocked stands which did not regenerate well after harvests in 1999 year-of-entry.

- **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: 61

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	106																										106
S Black Spruce		3																									3
G Grass					4																						4
N Marsh											694																694
Q Mx Swmp Cnfr												329															329
O Oak														57													57
R Red Pine																7											7
E Swamp Hrdwds	6																			25							31
U Upland Brush																								36			36
W White Pine																										13	13
Total	112	3			4						694	329		57		7				25				36		13	1280

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **61**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	1176 Cds	Hardwood	721 Cds
Hardwood	611 Mbf	Hardwood	129 Mbf
Softwood	2559 Cds	Sum CutVol	979 Cds
Softwood	108 Mbf		
Sum TotVol	5173 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	58
	1280		

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 61

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
1	A2	34	5	59	aspen (upland)	sparse		0	planting	
<p>comnts Fmd : PARTS ARE GOOD A3 REGENERATION AND OTHER PARTS ARE EXTREMELY SPARSE, MARKED SCATTERED OAKS TO LEAVE WHEN CUT, INTERPLANT R/W PINE MIX IN BARE AREAS TO GET FULL STOCKING</p> <p>Wld : Many areas in stand failed to regenerate. Planting of mixed white and red pine is suggested to create a diverse fully stocked stand.</p>										
6	O9	16	84	61	oak	immature	thinning	2		
<p>comnts Fmd : OAK KNOB WITH SCATTERED N.H.W./CONIFER COMPONENTS, N.E. PART HEAVY TO ASPEN AND W. BIRCH, MARK TO CUT FOR T.S.I. RETAINING CONIFER COMPONENT WHERE PRESENT, MANAGE FOR A OAK STAND WITH N.H.W./CONIFER COMPONENTS, LEAVE OUT AREAS HEAVY TO ASPEN AND INCLUDE PORTIONS OF COMPT 59 STAND 21 AS APPROPRIATE (SIMILAR STAND IN ADJ. COMPT.)</p> <p>Wld : Nice stand of mixed oak, red maple, birch, and beech. Conifer componenet is primarily along west and south edges along lowland habitat types. This stand has important juxtaposition winter deer habitat. Stand should be managed for continued mast production. If treated, large mast producing trees should be left as well as some medium size oak for mast production into the future. Also beech should be retained.</p>										
11	E6	6	82	53	aspen (upland)	mature	final harvest	1	natural regeneration	
<p>comnts Fmd : TRANSITION ZONE BETWEEN UPLAND TO WEST AND SWAMP/BOG TO EAST, HUMMOCKY BUT DRY & OPERABLE, SCATTERED OAK/PINE SAWLOGS/POLES/SAPLINGS,SOME WET POCKETS TO AVOID, CUT USING 4" SPEC BUT LEAVE PINE/OAK FOR RETENTION, LEAVE N. TIP (RP SL) FOR RETENTION, EXTEND CUT INTO COMPT 62 STAND 41 WHERE APPROPRIATE, CUT ON DRY/FROZEN GROUND IN DORMANT SEASON, ANY COMBINATION OF A/RM/O TO A FULLY STOCKED STAND IS ACCEPTABLE AS REGENERATION, PLANT OR SEED JACK PINE IF REGENERATION IS POOR, ACCESS FROM COMPT 62 TO THE WEST OFF MOSCOW ROAD</p>										
12	A6	10	50	61	aspen (upland)	mature	final harvest	1	natural regeneration	
<p>comnts Fmd : TRANSITION ZONE, HUMMOCKY BUT DRY AND OPERABLE, POCKETS OF HYPOX. CANKER, INCLUDE PORTIONS OF COMPT 62 STAND 41 AS APPROPRIATE, LEAVE SCATTERED OAK/PINE FOR DIVERSITY /RETENTION or NORTH END (RP/WP SL) FOR DIVERSITY/RETENTION, CUT ON DRY/FROZEN GROUND DURING THE DORMANT SEASON USING 4" SPEC., ANY COMBINATION OF A/RM/O TO A FULLY STOCKED STAND IS ACCEPTABLE AS REGENERATION, PLANT OR SEED JACK PINE IF REGENERATION IS POOR, ACCESS FROM COMPT 62 TO THE WEST OFF MOSCOW ROAD</p>										
201	O9	26	81	59	oak	two aged	shelterwood-prep	1		
<p>comnts Fmd : VERY OPEN OAK STAND WITH LARGE POOR QUALITY R0/W0/MO, AND POOR/FAIR QUALITY A/RM, ASPEN IN CLONES AND ALSO SCATTERED SOLITARY TREES, SOME OAK SEEDLINGS AND SAPLINGS STARTING IN MORE OPEN AREAS,CUT ASPEN/RED MAPLE AND LEAVE EVERYTHING ELSE, LEAVE CONIFERS FOR RETENTION AND ALSO LEAVE THE 2 AREAS NORTH OF GEELS ROAD FOR RETENTION, SAVE AS MUCH ADVANCED REGENERATION AS POSSIBLE (4" CUT AND SKIDDING RESTRICTIONS??), ANY AMOUNT OF REGENERATION IS ACCEPTABLE INCLUDING RETAINING AREAS OF SEMI-OPEN U/S WITH POCKETS OF BETTER REGENERATION - SEE WILDLIFE COMMENT</p> <p>Wld : Removal of red maple and aspen should improve the quality of this stand. The mast producing trees and relatively open understory of this stand should be maintained as it provides excellent turkey habitat.</p>										
400	G0	4		61	grass	nonstocked		0	opening maintenance	
<p>comnts Fmd : DEVELOP WILDLIFE OPENING BY BURNING OR OTHER METHOD</p>										
Total Acres.....		96								

**Proposed Treatments
With Limiting Factors**

Compartment: 61

Entry Year: 2009

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

Compartment 61
 T23N, R02W, Sec. 9, 16
 County: Roscommon
 Unit: Roscommon
 YOE: 2009
 Acres: 1,280 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 9/04/2007
 Map Phase: Pre-Review

Field Map

Legend

-  Miris Corners
-  Gravel Roads
-  County Gravel Roads
-  Poor Dirt Roads
-  Trails
-  ORV Trails
-  Stand Boundary
-  016 - Planting
-  027 - Opening Maintenance
-  148 - Final Harvest/Natural Regeneration/Other
-  400 - Thinning
-  700 - Shelterwood-prep

