



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 55 ENTRY YEAR: 2007

Compartment Acreage: 2070 County: Roscommon

Revision Date: 4/12/05

Stand Examiner: D. Ekdom

Legal Description: T23N R1W Sections 5, 6, & 7

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: Compartment is primarily flat to gently rolling. Soils are Saugatuck sand in the more upland areas and Rifle peat in the lower, wetter areas.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Compartment is all state land and is surrounded by state land except for private property (both semi-developed and developed sub-division in section 8).

Unique, Natural Features: Geels town site (circa 1929) is in this compartment.

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

Special Management Designations or Considerations:

Watershed and Fisheries Considerations: The South Branch of the Au Sable River and its floodplain runs through section 5.

Wildlife Habitat Considerations:

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 is the Mississippian Michigan Formation. The Michigan is quarried for gypsum in other areas of the State. Most of the good gravel pits are associated with upland areas. Only sand pits are located in this area and gravel potential appears to be limited. St. Helen Field is located one mile to the north. The field has produced over 8.7 million BO and 14.7 Bcf gas from the Devonian Richfield Formation. It is in secondary recovery operations currently. There are no leases in the Compartment, but leases are located just to the north.

Vehicle Access: Vehicle access to the upland sections of this compartment is good via state highway, county roads, and forest two-tracks. Access to the wetter portions of the compartment is poor at best due to the terrain.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: The Geels ORV trailhead and ORV trail is located in this compartment in the north part of section 6. The compartment is heavily used for hunting in all seasons. There is also trout fishing in the South Branch of the Au Sable River.

Fire Protection: In general, fire protection in this compartment should not be a problem due to access, terrain, and proximity to the Roscommon Field Station. However, access for fire suppression equipment into parts of the compartment could be a problem due to lower and wetter terrain.

Additional Compartment Information: 169 acres of final harvests are proposed, mainly in mature and over-mature jack pine. In addition, 41 acres of partial harvests and 157 acres of artificial regeneration are proposed, mainly after final harvests. A large portion of the compartment is 30+ year old aspen which will need to be looked at next year-of-entry for possible regeneration cuts.

- **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: 55

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	564													16													580
S Black Spruce		4																									4
V Bog or Marsh			324																								324
G Grass					102																						102
J Jack Pine							234									45											279
L LowInd Brush									47																		47
P LowInd Poplr										20																	20
Q Mx Swmp Cnfr												296															296
X Non Stocked													2														2
O Oak														39		27										9	75
R Red Pine																54											54
F Spruce Fir																			28								28
E Swamp Hrdwds																				119							119
U Upland Brush																36								3			39
M Upland Hdwds														7													7
Z Water																									9		9
W White Pine																										85	85
Total	564	4	324		102		234		47	20		296	2	62		162			28	119				3	9	94	2070

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **55**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY

TOTAL VOLUME		CUT VOLUME	
Hardwood	8792 Cds	Hardwood	507 Cds
Hardwood	432 Mbf	Hardwood	100 Mbf
Softwood	8264 Cds	Softwood	2382 Cds
Softwood	961 Mbf	Softwood	223 Mbf
Sum TotVol	19842 Cds	Sum CutVol	3535 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	210
2070			

ROSCOMMON FOREST MGT UNIT

Proposed Treatments
With NO Limiting Factors

Compartment: 55

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
9	O1	9	6	58	red pine	sparse		0	planting	
comnts Fmd : CUT 2001/2002, BARELY O2 WITH MOST REGEN FROM STUMP SPROUTS, INTERPLANT RED PINE										
12	J6	3	51	42	jack pine	mature	final harvest	1		
comnts Fmd : LEAVE TOPS FOR SEED SOURCE, SEED JACK PINE IF STAND DOES NOT REGENERATE NATURALLY										
13	J6	14	51	42	jack pine	mature	final harvest	2		
comnts Fmd : LEAVE TOPS FOR SEED SOURCE, SEED JACK PINE IF STAND DOES NOT REGENERATE NATURALLY										
18	J6	29	53	55	jack pine	mature	final harvest	1		
comnts Fmd : 30-50 YEAR OLD JP STAND (MEAN AGE = 40-45 Yrs.), N. END IS OLDEST AND FALLING APART, S. END IS MOSTLY YOUNGER WITH SCATTERED O.S. TREES, U.S. VARIES FROM J2-O2-M1, SPOTS ARE WETTER AND MORE J4/V, POCKETS OF ASPEN ESPECIALLY ALONG EDGES, ADDRESS VISUALS ALONG M-76, LEAVE BUFFERS ON BOGS/"G" TYPE, CUT ON DRY OR FROZEN GROUND, LEAVE TOPS FOR SEED SOURCE, SEED JACK PINE IF STAND DOES NOT REGENERATE NATURALLY										
21	O1	10	6	58	red pine	sparse		0	planting	
comnts Fmd : CUT 1999, NOT MUCH REGENERATING, INTERPLANT RP AND MANAGE FOR A MIX OF OAK/PINE, TRANSITION ZONE BETWEEN PVCd & ParVHa										
22	M6	7	74	58	oak	mature	seed tree	2		
comnts Fmd : UPLAND RM STAND WITH SCATTERED O2 U.S., SCATTERED R&W PINE/BLACK SPRUCE/BALSAM FIR, CUT WITH STAND #23, LEAVE OAK/WP AND PROTECT O2 U.S. WHERE PRESENT, CUT WHEN DRY OR FROZEN, MANAGE FOR A RESIDUAL STAND OF OAK/PINE, ACCEPTABLE REGENERATION IS ANY MIX OF OAK, PINE, AND RED MAPLE										
23	O9	14	89	54	oak	two aged	shelterwood-seed	2		
comnts Fmd : OAK RIDGE WITH SCATTERED CONIFERS/ASPEN/RM, SHELTERWOOD BY MARKING OAK TO LEAVE, CUT ASPEN/RM AND UNMARKED OAK, SAVE WHITE OAK AND CONIFERS, PROTECT AREAS WITH O3 U.S. AND CREATE OPENINGS WHERE OAK REGEN IS SPARSE, ACCEPTABLE REGENERATION IS ANY MIX OF OAK, PINE, ASPEN, AND RED MAPLE										
37	J5	7	74	50	jack pine	mature	final harvest	1	direct seeding	
comnts Fmd : TYPED "E" LAST Y.O.E., DUE TO HARDWOOD COMPONENT/NOW J5 WITH SCATTERED HARDWOODS, GROUND IS SLIGHTLY ABOVE SWAMP TO THE NORTH AND BELOW J6 TO THE SOUTH, STAND IS VERY NARROW IN SPOTS, CUT AS MUCH OF THIS STAND AS FEASIBLE GIVEN HUMMOCKY/WET TERRAIN, CUT ON DRY OR FROZEN GROUND, LEAVE TOPS FOR SEED SOURCE, SEED TO JACK PINE IF STAND DOES NOT REGENERATE NATURALLY										
39	O8	6	79	53	oak	two aged	shelterwood-seed	2		
comnts Fmd : O8/O7J4U, OLD UPLAND BRUSH STAND WITH SCATTERED RP/OAK SAWLOGS, ENCROACHING JACK PINE IS IN POCKETS, CUT WITH STANDS #37/40/41, SHELTERWOOD BY CUTTING JP/A/RM AND LEAVING RP/OAK/WP, PROTECT W2 U.S., STAND WILL BE OPEN FOR A WHILE AFTER CUTTING BUT SHOULD FILL IN OVER TIME PROVIDING A VARIETY OF HABITAT FOR WILDLIFE BUT ALSO REGENERATING THE STAND AND PROVIDING TIMBER VALUES, ACCEPTABLE REGENERATION IS ANY MIX OF OAK, PINE, ASPEN, OR RED MAPLE										
40	O6	9	79	53	white pine	two aged	delayed removal	2		
comnts Fmd : RELEASE WP U.S. BY REMOVING SOME HARDWOODS AND ALL JACK PINE, MARK SOME OAK TO LEAVE IN AREAS WHERE W3 U.S. IS LACKING, ACCEPTABLE REGENERATION IS WP/OAK MIX										
41	J6	36	54	54	jack pine	mature	final harvest	2		
comnts Fmd : J6 WITH W2 U.S., SCATTERD LARGER OAKS, LEAVE TOPS FOR SEED SOURCE, SEED TO JACK PINE IF STAND DOES NOT REGENERATE NATURALLY, LEAVE SMALLER WHITE PINE ALONG MOORE ROAD TO BUFFER CUT, STAND 40 MAY EXTEND SOUTH INTO THIS STAND MORE THAN INDICATED ON THE MAP										
45	A5	16	77	57	oak	mature	final harvest	1		
comnts Fmd : MIX OF A/J/O, T. ASPEN HAS HYPOX. CANKER, CUT A/RM/JP AND LEAVE OAK/RP/WP, PROBABLY A CHIP SALE AS MOST ASPEN AND JACK PINE IS SMALLER, , MOST JP/OAK IS AT THE NORTH END AND MOST RP IS AT THE SOUTH END, ASPEN IS WELL DISTRIBUTED THROUGHOUT BUT OF VARYING SIZE, ACCEPTABLE REGENERATION IS ANY MIX OF ASPEN, OAK, OR PINE										
53	O8	8	87	58	red pine	mature	final harvest	2	planting	
comnts Fmd : OPEN GROWN OAK STAND (PIN/WHT OAK), SCATTERED POLE SIZE WHITE PINE , CUT AND PLANT RED PINE, LEAVE WHITE OAK FOR MAST AND WHITE PINE FOR DIVERSITY, MANAGE FOR A MIXED STAND OF OAK AND RED PINE										

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 55

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
55	J6	45	67	57	red pine	two aged	final harvest	2	planting		
comnts Fmd : CONVERT TO RED PINE, KOTAR SITE = ParVHa, LEAVE SMALLER WHITE PINE ALONG MOORE ROAD FOR VISUAL											
69	U0	36	15	60	red pine	nonstocked		0	planting		
81	R9	2	87	60	red pine	mature	selection	2	other - specify in remarks		
comnts Fmd : MATURE NATURAL RP STAND, U.S. BURN TO EXPOSE MINERAL SOIL AND THEN SELECT MARK LEAVING 90-120 SF OF GOOD SEED TREES											
85	J6	11	53	55	jack pine	mature	final harvest	2	direct seeding		
comnts Fmd : CUT/SEED JP, PAINT OUT OAK INCLUSION (APPROX. 1/2-1 AC) ALONG M-76 AND SAVE O2 U.S. FOR VISUALS											
89	O9	3	77	58	oak	mature	shelterwood-seed	2			
comnts Fmd : UPLAND OAK STAND WITH DECENT QUALITY PIN/WHT OAK, O2 U.S. RANGES FROM SEEDLINGS 2-3' TALL TO ADVANCED OAKD REGEN WHICH IS ALMOST MERCH., REDUCE BASAL AREA BY CREATING REGENERATION HOLES AND MARKING TO LEAVE 40-50 SF RESIDUAL, FAVOR WHITE OAK AND CUT SCATTERED ASPEN/JP/RM ALSO											
400	G0	11			grass	nonstocked		0	opening maintenance		
comnts Fmd : MAINTAINED WILFLIFE OPENING - RYE FIELD											
401	G0	3			grass	nonstocked		0	opening maintenance		
comnts Fmd : MAINTAINED WILDLIFE OPENING, SCATTERED SL OAK/RM											
402	G0	6			grass	nonstocked		0	opening maintenance		
comnts Fmd : MAINTAINED OPENING, SCATTERED JP/RM/A											
Total Acres.....		285									

**Proposed Treatments
With Limiting Factors**

Compartment: 55

Entry Year: 2007

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

Field Map

Compartment 55
 T23N, R1W, Sec. 5-7
 County: Roscommon
 Unit: Roscommon
 YOE: 2007
 Acres: 2,070 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 4/20/2005
 Map Phase: Pre-review

Legend

-  RLS Corners
 -  Miris Corners
 -  Gravel Roads
 -  Poor Dirt Roads
 -  Trails
 -  Trailhead
 -  Snowmobile Trails
 -  ORV Trails
 -  State Highway
 -  Stand Boundary
 -  Biodiversity/Old Growth Area
 -  016 - Planting
 -  026 - Opening Maintenance
 -  100 - Final Harvest
 -  116 - Final Harvest/Planting
 -  136 - Final Harvest/Direct Seeding
 -  200 - Seed Tree
 -  300 - Shelterwood-seed
 -  600 - Delayed Removal
 -  897 - Selection/Other/Prescribed Burning
- Name Public Gravel Roads
 Name Public Dirt Roads
 Name Water Features

