



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 42 ENTRY YEAR: 2008

Compartment Acreage: 1482 GIS

County: Roscommon

Revision Date: 10/5/06

Stand Examiner: D. Ekdorn

Legal Description: T24N R02W Sections 22-24

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 flat to gently rolling with some ridges and hills on the east and west ends of the compartment. Soils are Grayling, Roselawn, and Rubicon Sands in the upland areas and Rifle Peat in the Hudson Creek Swamp.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is a solid block of state land interspersed with private land primarily used for hunting and other recreational uses. There is a small subdivision of permanent residences to the south of the compartment in Section 27 and Bambi Lake Baptist Camp in the north part of Section 22..

Unique, Natural Features: This compartment contains portions of the Hudson Creek Swamp.

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

Special Management Designations or Considerations: Stands or portions of stands adjacent to Hudson Creek are designated as HCVA's due to Natural River concerns and numerous older pine stands have been proposed as SCA's.

Watershed and Fisheries Considerations: Hudson Creek which is a tributary of the South Branch of the Au Sable River which has Natural River status.

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 800 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 nearest gravel pit is located three miles to the northwest, but there is good potential on the uplands. St. Helen Field lies just 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 to the upland areas of the compartment are good via the state highway, county roads, and forest two-tracks and trails.

Survey Needs: Some survey work may be needed to accomplish timber sales.

Recreational Facilities and Opportunities: Portions of the St. Helen snowmobile trail, Geels North ORV trail ORV route run through this compartment.

Fire Protection: The west half of this compartment is a high hazard area due to the presence of the jack pine fuel type. However, response times to this compartment are short due to the close proximity to the field office and the excellent road system.

Additional Compartment Information: Proposed treatments in this compartment include 47 acres of shelterwood-prep in oak, 56 acres of final harvest in jack pine and aspen, and 66 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: 42

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			55		96	106													257
Bog or Marsh	3																		3
Cedar											223	33	4						260
Grass	66																		66
Jack Pine		39	107	40	200				50										436
Lowlnd Brush	44																		44
Mx Swmp Cnfr										10		150							160
Oak		91								20	36								147
Red Pine								4	6			55							65
Swamp Hrdwds										4									4
Upland Brush	2																		2
White Pine													38						38
Total	115	130	162	40	296	106		4	56	34	259	238	42						1482

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

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ROSCOMMON FOREST MGT UNIT

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COMPARTMENT: 42

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	257																										257
V Bog or Marsh			3																								3
C Cedar				260																							260
G Grass					66																						66
J Jack Pine							395									41											436
L LowInd Brush									44																		44
Q Mx Swmp Cnfr												160															160
O Oak														147													147
R Red Pine																65											65
E Swamp Hrdwds																				4							4
U Upland Brush																									2		2
W White Pine																										38	38
Total	257		3	260	66		395		44			160		147		106				4				2		38	1482

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **42**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3410 Cds	Hardwood	686 Cds
Hardwood	300 Mbf	Hardwood	68 Mbf
Softwood	7555 Cds	Softwood	651 Cds
Softwood	1101 Mbf	Softwood	169 Mbf
Sum TotVol	13767 Cds	Sum CutVol	1811 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	103
1482			

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 42

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
4	J6	41	73	56	red pine	mature	final harvest	1	natural regeneration		
comnts Fmd : JACK PINE/RED PINE MIX WITH OAK SCATTERED THROUGHOUT STAND, LANDCOVER CIRCA 1800 SHOWS JACK PINE-RED PINE-OAK MIX, KOTAR SITE IS HIGH END PVCd, GROWTH PATTERNS INDICATE HIGHER WATER TABLE (I.E. BORINGS/WHORL SPACING) AS DOES R3 STAND IMMEDIATELY TO SOUTH (Comp't 39 stand #22), FINAL HARVEST USING 4" SPEC. AND EVALUATE FOR TRENCHING & PLANTING RED PINE IN MORE OPEN AREAS AFTER 1 GROWING SEASON, STAND WILL BE A MIX OF JACK PINE-RED PINE-OAK AFTER TREATMENT											
43	O6	29	88	62	oak	mature	shelterwood-prep	2			
comnts Fmd : STAND OF DECENT QUALITY MIXED OAK SAWLOGS WITH SCATTERED POCKETS OF PURE WHITE OAK, NORTHERN RED OAK/BTA SCATTERED THROUGHOUT, SOME OAK SEEDLINGS/SAPS STARTING/STARTED IN MORE OPEN SPOTS, GOOD FROST DRAINAGE THROUGHOUT STAND, SHELTERWOOD PREP BY CUTTING ASPEN/MAPLE AND A FEW OAK SAWLOGS AND ALSO START SOME REGENERATION OPENINGS IN AREAS OF PURE OAK, FAVOR RED OAK AND WHITE OAK, ANY MIX OF OAK/MAPLE/ASPEN AFTER TREATMENT IS ACCEPTABLE											
44	O9	3	88	61	oak	immature	shelterwood-prep	2			
comnts Fmd : MATURE OAK STAND WITH SOME OAK SEEDLINGS/SAPS STARTING IN SPOTS, GOOD FROST DRAINAGE, SHELTERWOOD PREP BY CUTTING ASPEN/MAPLE AND SOME MIXED OAK AND ALSO CREATE SOME REGENERATION HOLES, FAVOR RED OAK AND WHITE OAK, ANY MIX OF OAK/ASPEN/RED MAPLE IS ACCEPTABLE REGENERATION AFTER TREATMENT											
45	A6	15	40	60	aspen (upland)	immature	final harvest	2	natural regeneration		
comnts Fmd : NICE YOUNG(?) A6 WHICH APPEARS TO BE MORE THAN 40 YEARS OLD, GOOD ONE TO CUT TO BEGIN BRINGING ASPEN DISTRIBUTION INTO REGULATION IN THIS COMPARTMENT, EXPAND CUT INTO COMPARTMENT 43 STAND #31, ANY MIX OF ASPEN/OAK/RED MAPLE IS ACCEPTABLE REGENERATION											
111	O8	15	83	55	oak	two aged	shelterwood-seed	2	natural regeneration		
comnts Fmd : THINNED LAST Y.O.E. REMOVING A/RM, NOW O8A2O1M1, SHELTERWOOD LEAVING 30-40 SF OF WHITE OAK/RED OAK FOR SEED, ALSO SAVE SCATTERED WHITE PINE, RECOMMEND MARKING RO/MO TO LEAVE AND LEAVING ALL WHITE OAK/WHITE PINE VIA SPEC., ANY MIX OF OAK/ASPEN/RED MAPLE REGENERATION IS ACCEPTABLE											
400	G0	7		50	grass	nonstocked		0	opening maintenance		
comnts Fmd : MAINTAINED WILDLIFE OPENING											
401	G0	2		50	grass	nonstocked		0	opening maintenance		
comnts Fmd : MAINTAINED WILDLIFE OPENING											
402	G0	3		50	grass	nonstocked		0	opening maintenance		
comnts Fmd : MAINTAINED WILDLIFE OPENING											
403	G0	11		59	grass	nonstocked		0	opening maintenance		
comnts Fmd : MAINTAINED WILDLIFE OPENING											
Total Acres.....		126									

**Proposed Treatments
With Limiting Factors**

Compartment: 42

Entry Year: 2008

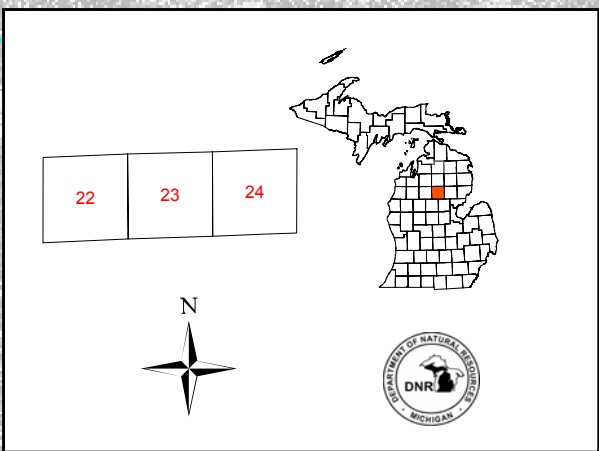
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 42
 T24N, R02W, Sec. 22-24
 County: Roscommon
 Unit: Roscommon
 YOE: 2008
 Acres: 1,482 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 10/30/2006
 Map Phase: Pre-review



Legend

- Miris Corners
- Highway
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Trails
- Railroads
- Water Features
- State Highway
- ORV Routes
- ORV Trails
- Snowmobile Trails
- Stand Boundary
- Biodiversity/Old Growth Areas
- 026 - Opening Maintenance
- 116 - Final Harvest/Planting
- 148 - Final Harvest/Natural Regeneration/Other
- 348 - Shelterwood-seed/Natural Regeneration/Other
- 700 - Shelterwood-prep

