



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 48 ENTRY YEAR: 2008

Compartment Acreage: 1268 GIS County: Roscommon

Revision Date: 10/5/06

Stand Examiner: D. Ekdorn

Legal Description: T24N R01W Sections 27 & 34

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 moderately rolling. Soils are mostly Ottawa loamy sand in Section 27 where the cover type is red pine. The remaining soils in Section 27 are a mixture of Roselawn and Grayling sands and Ottawa sandy loam on the upland areas and Greenwood peat in the lowland areas. The soils in Section 34 are mostly Grayling sand with some Rubicon sand on the upland areas and a band of Rifle peat and Lupton muck along South Creek.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is a solid block of state land and is surrounded by state land on 3 sides. North of the compartment is primarily farm fields and wooded acreage on private property.

Unique, Natural Features: South Creek and its floodplain.

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

Special Management Designations or Considerations: Stands adjacent to South Creek are designated HCVA's due to Natural River Status of South Creek.

Watershed and Fisheries Considerations: South Creek is a tributary of the South Branch of the Au Sable River

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 is the Mississippian Marshall Sandstone. 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 in Section 26 and potential appears to be good in Section 27. Part of St. Helen Field is located in Section 27. 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. Section 27 is leased and held-by-production in the secondary recovery operations.

Vehicle Access: Vehicle access to most of the compartment is excellent via county roads and forest two-tracks. Close some oil field roads going to abandoned well sites in Section 27 (See Road System Map for details).

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: None at this time except the compartment is heavily used for hunting and other dispersed recreation.

Fire Protection: There are high hazard fuel types in Section 34 but access is good for suppression equipment.

Additional Compartment Information: Proposed treatments in the compartment include 225 acres of final harvest in red pine and jack pine, 36 acres of thinning in red pine, and 44 acres of partial cuts in oak.

- **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: 48

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					111	89	23			12									235
Black Spruce										2									2
Bog or Marsh	47																		47
Grass	42																		42
Jack Pine		53	123	6		3		133										16	334
LowInd Brush	11																		11
Marsh	49																		49
Mx Swmp Cnfr										13									13
Non Stocked	2																		2
Oak					10	15				72									97
Red Pine								417											417
Tamarack										5									5
Treed Bog	2																		2
Upland Brush	4																		4
Water	8																		8
Total	165	53	123	6	121	107	23	550		104								16	1268

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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: 48

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	235																										235
S Black Spruce		2																									2
V Bog or Marsh			47																								47
G Grass					42																						42
J Jack Pine							331									3											334
L LowInd Brush									11																		11
N Marsh											49																49
Q Mx Swmp Cnfr												13															13
X Non Stocked													2														2
O Oak														97													97
R Red Pine																417											417
T Tamarack																						5					5
D Treed Bog																							2				2
U Upland Brush							2																	2			4
Z Water																									8		8
Total	235	2	47		42		333		11		49	13	2	97		420					5	2	2		8		1268

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **48**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	4652 Cds	Hardwood	1195 Cds
Hardwood	580 Mbf	Hardwood	295 Mbf
Softwood	6016 Cds	Softwood	3411 Cds
Softwood	4317 Mbf	Softwood	1023 Mbf
Sum TotVol	20462 Cds	Sum CutVol	7242 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	305
1268			

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 48

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
6	A6	4	86	50	aspen (upland)	mature	final harvest	1	natural regeneration	
comnts Fmd : MATURE A6 STAND WHICH IS DECLINING IN SPOTS, DRY GROUND BUT HIGH WATER TABLE, PARTS ARE YOUNGER THAN 75 YEARS OLD, CUT DURING DORMANT SEASON ON DRY/FROZEN GROUND, PLANT/SEED JACK PINE IF REGENERATION FAILS, ANY MIX OF HARDWOODS IS ACCEPTABLE REGENERATION										
7	A6	23	51	55	aspen (upland)	immature	final harvest	1	natural regeneration	
comnts Fmd : FINAL HARVEST AND MANAGE FOR ASPEN, DRY GROUND BUT HIGH WATER TABLE, CUT DURING DORMANT SEASON ON FROZEN/DRY GROUND, MARK OAKS TO LEAVE FOR WILDLIFE MAST/DEN TREES, PLANT/SEED JACK PINE IF REGENERATION FAILS, ANY MIX OF HARDWOODS IS ACCEPTABLE REGENERATION										
9	O7	12	86	55	oak	two aged	delayed removal	2		
comnts Fmd : O7 WITH O2M2 UNDERSTORY, ALSO SCATTERED CONIFERS, UNDERSTORY IS APPROX. 20-25 YEARS OLD, REMOVE OAK OVERSTORY BY CUTTING HARDWOODS AND JACK PINE LESS THAN 6" D.B.H. AND PROTECT UNDERSTORY AND RESIDUAL PINE WITH SKIDDING RESTRICTIONS, PLANT RED PINE IN ANY OPEN AREAS WHICH ARE NOT FULLY STOCKED TO MEET FOREST CERTIFICATION REQUIREMENTS										
10	R9	28	66	60	red pine	mature	final harvest	2	planting	
comnts Fmd : NORTH HALF THINNED IN 1998 & 2000, SOUTH HALF THINNED IN 1989, FINAL HARVEST AND PLANT RED PINE, MANAGE FOR A MIX OF RP & OAK BY SAVING O2 UNDERSTORY WHERE POSSIBLE, MIX OF ParVHa/ParVVb KOTAR TYPES										
11	A9	8	81	55	aspen (upland)	mature	final harvest	1	natural regeneration	
comnts Fmd : FINAL HARVEST AND MANAGE FOR ASPEN, CUT DURING DORMANT SEASON ON DRY/FROZEN GROUND, 1/2 ACRE R9 INCLUSION ON NORTH END, MARK SOME OAKS TO LEAVE FOR WILDLIFE MAST/DEN TREES, PLANT RP IF REGENERATION FAILS, ANY MIX OF HARDWOODS IS ACCEPTABLE AS REGENERATION										
12	J6	3	46	55	red pine	two aged	final harvest	1	planting	
comnts Fmd : J5R5O2, CUT AND PLANT RED PINE, MANAGE FOR A RP/OAK MIX, ParVHa/ParVVb KOTAR TYPE										
26	R9	9	66	60	red pine	mature	final harvest	2	planting	
comnts Fmd : R9 WITH SCATTERED JACK PINE/HARDWOOD CLUMPS, CUT AND RED PINE, MARK SOME OAK TO LEAVE FOR WILDLIFE MAST & DEN TREES, MANAGE FOR A RP/OAK MIX										
27	J6	11	66	55	jack pine	mature	final harvest	1	planting	
comnts Fmd : MATURE JACK PINE STAND, HARVEST AND PLANT JACK PINE BEFORE STAND STARTS TO DECLINE										
35	J6	62	63	50	jack pine	mature	final harvest	1	planting	
comnts Fmd : MATURE JACK PINE STAND WITH SCATTERED AREAS HEAVY TO OAK AND/OR ASPEN, HARVEST AND PLANT/SEED JACK PINE BEFORE STAND STARTS TO DECLINE, LEAVE CHERRY/JUNEBERRY FOR WILDLIFE MAST, MARK SOME OAK TO LEAVE FOR WILDLIFE MAST/DEN TREES										
37	J6	36	59	50	jack pine	mature	final harvest	1	planting	
comnts Fmd : NICE JACK PINE STAND WITH SCATTERED OAK AND OTHER HARDWOODS, CUT AND PLANT/SEED JACK PINE, MARK OAK TO LEAVE FOR WILDLIFE MAST/DEN TREES, MANAGE FOR A MIX OF JP/OAK										
38	O9	32	86	55	oak	mature	shelterwood-seed	1		
comnts Fmd : DECENT QUALITY PIN OAK BUT MATURE/OVER-MATURE, SHELTERWOOD-SEED TREE CUT BY MARKING OAK TO LEAVE, LEAVING ALL WHITE OAK, AND SAVING ALL R/W PINE, PROTECT PINE UNDERSTORY, RESIDUAL SHOULD BE 30 SF OF THE OAK PLUS ALL R/W PINE, INTERPLANT JACK PINE IF OAK STOCKING IS LESS THAN A FULLY STOCKED STAND										
48	U0	2		50	jack pine	nonstocked		0	planting	
comnts Fmd : "U"/"G" TYPE WITH ENCROACHING CHERRY/JP AND SCATTERED OAK SAWLOGS, TREAT WITH SURROUNDING STANDS AND PLANT JACK PINE										
54	R9	24	66	60	red pine	mature	final harvest	2	planting	
comnts Fmd : NORTHERN 2/3RDS THINNED IN 1989 & 2000, S1/3RD THINNED IN 1989, FINAL HARVEST AND PLANT RED PINE, MANAGE FOR A MIX OF RED PINE & OAK BY SAVING O2 UNDERSTORY WHERE POSSIBLE, LARGE AREA OF 60 YEAR OLD RED PINE NEEDS TO BE BROKEN UP, ParVHa/ParVVb MIX										
65	R9	36	66	60	red pine	immature	thinning	2		
comnts Fmd : THINNED IN 1989 AND 2000, MOSTLY IN ROWS, INDIVIDUALLY TREE MARK TO 120 SF, BUFFER BOG (STAND 64) ON WEST SIDE OF STAND										

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 48

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
66	J6	17	63	50	jack pine	two aged	final harvest	1	planting		
comnts Fmd : 2-AGED JACK PINE STAND, OLDEST JACK PINE IS DECLINING, CUT AND PLANT/SEED JACK PINE, MARK SOME OAKS TO LEAVE FOR WILDLIFE MAST/DEN TREES, MANAGE FOR A MIX OF JP/OAK											
400	G0	3			grass	nonstocked		0	opening maintenance		
comnts Fmd : MAINTAINED WILDLIFE OPENING											
401	G0	1			grass	nonstocked		0	opening maintenance		
comnts Fmd : MAINTAINED WILDLIFE OPENING											
402	G0	2		55	grass	nonstocked		0	opening maintenance		
comnts Fmd : MAINTAINED WILDLIFE OPENING											
Total Acres.....		313									

**Proposed Treatments
With Limiting Factors**

Compartment: 48

Entry Year: 2008

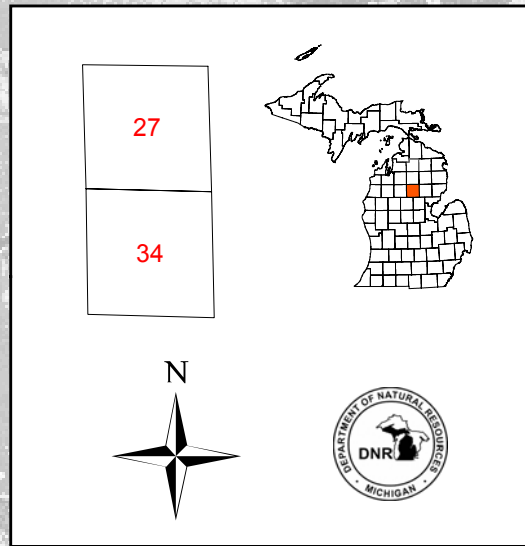
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 48
 T24N, R01W, Sec. 27, 34
 County: Roscommon
 Unit: Roscommon
 YOE: 2008
 Acres: 1,268 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 10/30/2006
 Map Phase: Pre-review



Legend

- Miris Corners
- County Gravel Roads
- Paved Roads
- Poor Dirt Roads
- Powerlines
- Stand Boundary
- 016 - Planting
- 100 - Final Harvset
- 116 - Final Harvest/Planting
- 148 - Final Harvest/Natural Regeneration/Other
- 300 - Shelterwood-seed
- 400 - Thinning
- 600 - Delayed Removal

