



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 78 ENTRY YEAR: 2008

Compartment Acreage: 1242 County: Roscommon

Revision Date: 10-15-2005

Stand Examiner: J. Hartman

Legal Description: T23N R4W sections 30, 31, and 32

RMU (if applicable): Not Applicable

Management Goals: Balance age classes and enhance in-stand diversity of various cover types providing a range of stand structures and habitats.

Soil and Topography: This compartment is part of a large bog jack pine complex that is very flat. Digitized Kotar classification types the compartment as primarily PArVCo with inclusions of PArVHa. It transitions toward an oak ridge to the northeast where it is primarily PArVHa before going on to private land.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment has nearly solid state ownership with two isolated 40 acre parcels. One is entirely wetland and the other is located along Reedsburg Flooding. There is a gravel pit in the northeast part of the compartment that is leased to the Roscommon County Road Commission.

Unique, Natural Features: Black tern, osprey, least bittern, river red-horse, great blue heron, wood turtle, spotted turtle, and Rainbow mussel have been identified in the vicinity. Potential exists for marsh wren, yellow rail, king rail, American bittern, common moorhen, and Blanding's turtle.

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

Special Management Designations or Considerations: Some of the more isolated stands were nominated as SCA's due to their unique structure. Stand 33 could also be added to this complex in future entries in order to bring some continuity to the SCA.

Watershed and Fisheries Considerations: Parts of this compartment border the Muskegon River and Reedsburg Flooding.

Wildlife Habitat Considerations: A good amount of deer sign was observed during inventory. Deer are yarding in the leftover conifer cover in the isolated parts of the compartment.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and peat and muck. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift are the Pennsylvanian Saginaw Formation and the Mississippian Bayport and Michigan Formations. The Saginaw is quarried for shale, the Bayport for limestone and the Michigan for gypsum elsewhere in the State. Most of the nearby gravel pits are associated with upland areas. There is a gravel pit in Section 32 and potential appears to be good. Enterprise Field is located one mile to the northwest. The field has produced over 4.7 million BO primarily from the Devonian Richfield Formation and is in secondary recovery operations currently. The Compartment is not currently leased.

Vehicle Access: The forest road leading in from M-55 is in very poor shape and creates a safety hazard for vehicles pulling out onto this heavily traveled road. This forest road is proposed to be closed. A new road has been proposed leading in from the west along county line road in order to provide access into this area.

Survey Needs: None needed at this time

Recreational Facilities and Opportunities: The snowmobile trail runs along the west edge of the compartment.

Fire Protection: The combination of dense jack pine and poor access due to wet soils could make initial attack difficult in this compartment.

Additional Compartment Information:

- **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: 78

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		77	151		81	127	37		6	16									495
Bog or Marsh	55																		55
Grass	3																		3
Jack Pine		171	39	3			11		102										326
Lowlnd Brush	195																		195
Marsh	4																		4
Non Stocked	40																		40
Oak		4								16								25	45
Red Pine									52										52
Swamp Hrdwds										1									1
Water	24																		24
White Pine							2												2
Total	321	252	190	3	81	127	50		160	33								25	1242

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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: 78

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	495																										495
V Bog or Marsh			55																								55
G Grass					3																						3
J Jack Pine							278									48											326
L Lowlnd Brush									195																		195
N Marsh											4																4
X Non Stocked													40														40
O Oak														45													45
R Red Pine																52											52
E Swamp Hrdwds																				1							1
Z Water																									24		24
W White Pine																										2	2
Total	495		55		3		278		195		4		40	45		100				1					24	2	1242

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **78**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	2027 Cds	Hardwood	651 Cds
Hardwood	281 Mbf	Hardwood	68 Mbf
Softwood	1790 Cds	Softwood	1030 Cds
Softwood	706 Mbf	Softwood	138 Mbf
Sum TotVol	5791 Cds	Sum CutVol	2093 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	158
1242			

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 78

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
3	O9	13		55	oak	unevenaged	selection	3	natural regeneration		
comnts Fmd : Multiple ages. Advanced oak and red maple regen and more of an O8 in several spots. Oak regen is above browse line. Mark oak to cut and spec cut red maple. Leave pine. Low priority. Trespass on south edge of stand and across road to the west.											
6	A6	21	49	55	aspen (upland)	immature	final harvest	1	natural regeneration		
comnts Fmd : Clear-cut w/ reserves. Transitions into more of an oak/pine site on sw edge. Leave most oak and pine for retention and visual effect along the curve of county rd 300, but mark some to cut in order to spread aspen into these areas.											
13	O9	3	81	55	oak	immature	shelterwood-prep	3			
comnts Fmd : Mark to cut. Manage for mix of oak and pine. Good small firewood sale.											
31	A5	6	71	55	aspen (upland)	high risk	final harvest	1			
comnts Fmd : Part of stand 50 east of access road that can be managed for aspen/jack pine mixture. Put unit line along road. Leave the young groups of jack pine out by M-55. They are incorporated into stand #30. Consider closing this road with the sale due to M-55 turn-off and road condition.											
45	J6	33	71	55	jack pine	mature	final harvest	1	natural regeneration		
comnts Fmd : Clear-cut w/ reserves. Leave all red pine, birch, white oak, and mark some red maple to leave for diversity and visual. Acceptable regeneration mix of aspen, jack pine, red maple, red pine, and oak. Build road near high ground in center of stand and leave open for access to the area. Need culvert. Wood from stand 47 will be skidded to the landing in this stand as well.											
47	J6	24	71	55	red pine	mature	final harvest	1	planting		
comnts Fmd : Clear-cut w/ reserves. Mark islands of smaller jack pine to leave for visuals. Introduce some longer lived species along this M-55 travel corridor by planting red pine amongst a mix of natural jack pine, red maple, and oak regeneration by weaving around leave groups. PARVCo / PARVHa site.											
50	J6	24	71	55	red pine	mature	final harvest	1	planting		
comnts Fmd : Clear-cut w/ reserves. Mark islands of smaller jack pine and oak to leave for visuals. Introduce some longer lived species along this M-55 travel corridor by planting red pine amongst a mix of natural jack pine, red maple, and oak regeneration by weaving around leave groups. PARVCo / PARVHa site. Road coming in from M-55 on east side of this stand should be closed leaving a turn around for hunters.											
106	W6	2	56	60	white pine	two aged	thinning	2			
comnts Fmd : Mark to thin the poor quality white pine pulpwood. Age and SI is on younger white pine. Supercanopy red pine, white pine, and oak are present. Treat w/ stand 6.											
109	J6	3	71	55	jack pine	mature	final harvest	2	natural regeneration		
comnts Fmd : Survey corner present at sw edge. Same sale w/ stands #260, 261, 262.. Need a culvert if coming in from west. Close the road coming in from the east with this sale. Shortwood winter sale.											
260	J6	3	71	55	jack pine	two aged	final harvest	1	natural regeneration		
comnts Fmd : Leave all oak and beech. Same sale w/ stands #261,262, and #109. Need a culvert if coming in from west. Close the road coming in from the east with this sale. Shortwood winter sale.											
261	J6	10	71	55	jack pine	two aged	final harvest	1	natural regeneration		
comnts Fmd : More of a J9 in many spots. Leave all oak and white pine. Same sale w/ stands #260,262, and #109. Need a culvert if coming in from west. Close the road coming in from the east with this sale. Shortwood winter sale.											
262	A6	16	56	55	aspen (upland)	mature	final harvest	2			
comnts Fmd : Various age aspen jack pine mix. Leave all oak, white pine, and birch for diversity. Spec to leave tops bunched for snowshoe hare habitat. Same sale w/ stands #260,261, and #109. Need a culvert if coming in from west. Close the road coming in from the east with this sale. Shortwood winter sale. Deck in G-type?											
401	G0	3			grass	nonstocked		0	opening maintenance		
comnts Fmd : maintained opening											
Total Acres.....		161									

**Proposed Treatments
With Limiting Factors**

Compartment: 78

Entry Year: 2008

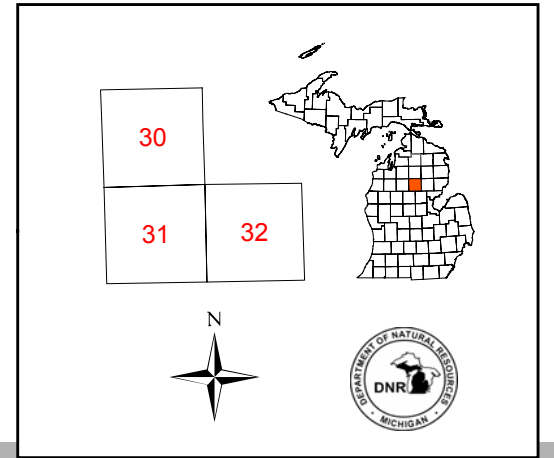
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 78
 T23N, R04W, Sec. 30-32
 County: Roscommon
 Unit: Roscommon
 YOE: 2008
 Acres: 1,242 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 10/30/2006
 Map Phase: Pre-review



Legend

- Miris Corners
- Highways
- County Gravel Roads
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- New Roads
- Trails
- Closed Roads
- Snowmobile Trails
- Stand Boundary
- Biodiversity/Old Growth Areas
- 026 - Opening Maintenance
- 100 - Final Harvest
- 116 - Final Harvest/Planting
- 148 - Final Harvest/Natural Regeneration/Other
- 400 - Thinning
- 700 - Shelterwood-prep
- 848 - Selection/Natural Regeneration/Other

