



**ROSCOMMON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 65      ENTRY YEAR: 2008**

**Compartment Acreage: 1086      County: Roscommon**

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**Revision Date:** 10-15-2005

**Stand Examiner:** J. Hartman

**Legal Description:** T23N RW sections 10, 11 and 12

**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:** Soils include Saugatuck sand, Tubicon sand, Newton loamy sand and Rifle peat. There is a long ridge that divides Lansing road and the Cut River drainage on the north side of the compartment.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The ne  $\frac{1}{4}$  of the se  $\frac{1}{4}$  of section 10 was acquired and the sw  $\frac{1}{4}$  of the sw  $\frac{1}{4}$  of section 12 has been disposed of since the last entry period

**Unique, Natural Features:** Rainbow mussel, Slippershell mussel, osprey, eagle, Secretive locust, Great blue heron, Elktoe, Pugnose shiner, and Red-shouldered hawk have been identified in the vicinity.

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

**Special Management Designations or Considerations:** A corridor along the Cut River was nominated as potential old growth in the 2000 old-growth plan for the Roscommon Unit. An additional SCA was nominated during this entry period for the scenic birch corridor along Lansing Road. This area will be expanded in future entries.

**Watershed and Fisheries Considerations:** The Cut River Bridge is located in this compartment.

**Wildlife Habitat Considerations:** This compartment is used heavily for grouse and woodcock hunting. Deer and bear sign were evident during inventory.

**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 Michigan Formation. The Michigan is quarried for gypsum elsewhere in the State. Most of the good gravel pits are associated with upland areas. Gravel pits are located in Section 3 and there should be potential on the uplands. St Helen Field is located eight 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 current oil and gas leases in the Compartment.

**Vehicle Access:** There are three hillclimb areas along Lansing Rd that are currently on the BMP log and in the process of being resolved. One of the timber sales will also help deal with this problem.

**Survey Needs:** A survey will be necessary in order to complete two of the stands that currently also have limiting factors on them for access. Request a survey only after speaking with landowners.

**Recreational Facilities and Opportunities:** This compartment is used extensively for grouse and woodcock hunting and there are several deer camps in the area. The corridor along Lansing Rd. is traveled heavily during the color season.

**Fire Protection:** There is good vehicle access and little hazardous fuels exist in this compartment. There is a good water point at the Cut River Bridge.

**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: 65

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		66	102		49	4	25		63										309
Black Spruce						17													17
Bog or Marsh	4																		4
Cedar										86				35					121
Grass	23																		23
Hemlock									21	2									23
Lowlnd Brush	60																		60
Mx Swmp Cnfr										106									106
Non Stocked	9																		9
Oak																		67	67
Paper Birch								63											63
Red Pine																		5	5
Spruce Fir					5														5
Swamp Hrdwds						12				203									215
White Pine								29										30	59
<b>Total</b>	<b>96</b>	<b>66</b>	<b>102</b>		<b>54</b>	<b>33</b>	<b>25</b>	<b>92</b>	<b>84</b>	<b>397</b>				<b>35</b>				<b>102</b>	<b>1086</b>

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Michigan Department of Natural Resources - Operations Inventory System  
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AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: 65

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	309																										309
S Black Spruce		17																									17
V Bog or Marsh			4																								4
C Cedar				121																							121
G Grass					23																						23
H Hemlock						23																					23
L LowInd Brush									60																		60
Q Mx Swmp Cnfr												106															106
X Non Stocked													9														9
O Oak														67													67
B Paper Birch															63												63
R Red Pine																5											5
F Spruce Fir																			5								5
E Swamp Hrdwds																				215							215
W White Pine																										59	59
<b>Total</b>	<b>309</b>	<b>17</b>	<b>4</b>	<b>121</b>	<b>23</b>	<b>23</b>			<b>60</b>			<b>106</b>	<b>9</b>	<b>67</b>	<b>63</b>	<b>5</b>			<b>5</b>	<b>215</b>						<b>59</b>	<b>1086</b>

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **65**

**Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	4467 Cds	Hardwood	815 Cds
Hardwood	375 Mbf	Hardwood	199 Mbf
Softwood	4554 Cds	Softwood	335 Cds
Softwood	278 Mbf	Softwood	29 Mbf
Sum TotVol	10327 Cds	Sum CutVol	1606 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
1086		144	

**ROSCOMMON FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 65**

**Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status	
11	B6	9	61	65	paper birch	immature	shelterwood-prep	2			
comnts Fmd : Mark to cut in order to provide increase vigor for birch with good crowns. Highly variable BA. Leave as much healthy birch residual as possible. Not a regeneration cut due to the unlikely chance to getting birch regen.. Use tsale to fix BMP problems (hillclimb).											
12	B6	6	61	65	paper birch	immature	shelterwood-prep	2			
comnts Fmd : Mark to cut in order to provide increase vigor for birch with good crowns. Highly variable BA. Leave as much healthy birch residual as possible. Not a regeneration cut due to the unlikely chance to getting birch regen.. Use tsale to fix BMP problems (hillclimb).											
13	A9	4	72	60	aspen (upland)	mature	final harvest	1	natural regeneration		
comnts Fmd : Almost solid mature aspen. Leave corridor along ridgeline. Leave all beech, birch, and pine for diversity. Use unit to close illegal hillclimb. Put with stands 11 and 12 to help them sell.											
22	A9	5	69	60	aspen (upland)	mature	final harvest	1	natural regeneration		
comnts Fmd : Clear-cut w/ reserves. Two ages of aspen. Mark oak to leave for mast and leave the scattered pine to soften the edge contrast into the SCA. Aspen regen will not be a problem. Was prescribed and not cut last time.											
27	A6	33	68	55	aspen (upland)	high risk	final harvest	1	natural regeneration		
comnts Fmd : Clear-cut w/ reserves. Aspen is falling apart in wetter spots and will be lost if this area is not treated. Winter cut only. East part has more red maple, but still has enough aspen to manage. There are younger aspen pockets in this stand, but should be managed with surrounding aspen in order to be maintained. Mark some leave zones as a corridor toward swamp for visuals and connect in with the hemlock pocket near center. Leave all birch and white pine as reserve trees. Regeneration mix of aspen, red maple, and balsam fir is acceptable.											
36	W6	7	58	55	white pine	immature	thinning	2			
comnts Fmd : Mixed natural pine stand with a few age cohorts of white pine, but mostly pole size. Spec cut jack pine and mark quality red pine and cull white pine to cut. Same sale with 143.											
143	R9	5		60	red pine	unevenaged	removal	3			
comnts Fmd : Natural fire origin red pine stand. Mark utility poles and cull to cut leaving quality white pine poletimber and large red pine seed trees.											
401	G0	11			grass	nonstocked		0	opening maintenance		
comnts Fmd : Maintained opening w/ pockets of aspen and cherry within the interior. Landowner is plowing forest road to access property.											
<b>Total Acres.....</b>		<b>80</b>									

**ROSCOMMON FOREST MGT UNIT**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 65**

**Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
<b>7</b>	<b>B6</b>	40	62	68	paper birch	mature	shelterwood-prep	3		

TREATMENT LIMITING FACTORS: Adjacent landowner denies access

comnts Fmd : Shelterwood w/ reserves. Treat in order to provide birch some vigor. Little chance of regeneration at this point. Heavy deer browse in the area. Spec cut aspen, red maple, and balsam. Mark some poor quality white pine to cut leaving quality wp. May be able to forward wood out to the east through A3 and cross two swamp areas or forward out to the sw through private and lump with other two stands if access can be achieved. Survey corner present along west edge.

<b>30</b>	<b>A6</b>	21	69	55	aspen (upland)	two aged	final harvest	2	natural regeneration	
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TREATMENT LIMITING FACTORS: Land survey needed  
Adjacent landowner denies access

comnts Fmd : Clear-cut w/ reserves if access is granted. Leave scattered birch and pine for diversity. Mix of multiple age aspen and balsam. Looks like it was high graded and the bench in the center used as a landing. Scattered high risk aspen with younger stuff toward high ground.

<b>32</b>	<b>W6</b>	14	64	60	white pine	immature	thinning	3		
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TREATMENT LIMITING FACTORS: Adjacent landowner denies access  
Land survey needed

comnts Fmd : This stand could be lightly thinned this YOY if stand to the southwest and northeast are treated. It has high basal area in pockets, quality stems, and a very good SI for white pine.

**Total Acres..... 75**

