



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 106 ENTRY YEAR: 2007

Compartment Acreage: 886 County: Roscommon

Revision Date: 4/12/05

Stand Examiner: D. Ekdom

Legal Description: T22N R3W Sections 1, 2, & 12

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 with much of the terrain being swamp or lowland brush. Soils are Rifle peat in the lower areas and Grayling sand and Newton loamy sand in the upland areas.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is solid state land with some private in-holdings except for the state parcel in the SESE section 12. Most of the private upland parcels have been or are being subdivided and there is state land on the north and east sides of the compartment.

Unique, Natural Features:

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

Special Management Designations or Considerations:

Watershed and Fisheries Considerations: The west side of the compartment is Houghton Lake.

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 800 feet. Beneath the glacial drift are the Pennsylvanian Grand River and Saginaw Formations and the Mississippian Bayport Limestone and Michigan Formation. The Saginaw is quarried for brick making clay, the Bayport is quarried for stone and the Michigan is quarried for gypsum, elsewhere in the State. Most of the good gravel pits are associated with upland areas. There are no uplands close by and potential appears to be limited. The abandoned Denton Creek Field is located three miles to the southeast. The field produced nearly 55,000 BO from the Devonian Detroit River Formation. The compartment is not currently leased

Vehicle Access: Vehicle access is good to the perimeters of the compartment but poor on the interior due to the low, wet terrain.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: Fishing in Houghton Lake and hunting and other dispersed recreational activities in the rest of the compartment.

Fire Protection: This compartment has a well developed wildland-urban interface with numerous natural and man-made fuel-breaks. It is also relatively close to both the Roscommon and Houghton Lake Field stations so response times for fire suppression are short.

Additional Compartment Information: 16 acres of final harvest and 47 acres of select cut are scheduled to be treated this year-of-entry. 57 acres of habitat cuts (non-commercial treatments) are proposed to be completed on an as-needed basis. Visual management is a major factor in this compartment due to its proximity to Prudenville and M-18 forming the east boundary of the compartment.

- **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: 106

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	52																										52
V Bog or Marsh			4																								4
G Grass					2																						2
L Lowlnd Brush									400																		400
Q Mx Swmp Cnfr												178															178
O Oak														110													110
B Paper Birch															19												19
R Red Pine																38											38
E Swamp Hrdwds																				72							72
M Upland Hdwds																								11			11
Total	52		4		2				400			178		110	19	38				72				11			886

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **106**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	2232 Cds	Hardwood	1043 Cds
Hardwood	1652 Mbf	Hardwood	264 Mbf
Softwood	3603 Cds	Softwood	201 Cds
Softwood	25 Mbf	Softwood	5 Mbf
Sum TotVol	9189 Cds	Sum CutVol	1782 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
886		120	

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 106 **Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
12	E6	8	85	50	swamp hardwoods	mature	final harvest	2		
comnts Fmd : HUMMOCKY GROUND BUT OPERABLE DURING DRY/FROZEN GROUND IN THE DORMANT PERIOD, USE 4" RULE IF CUT, PARTS HAVE NUMEROUS BLOWDOWNS OF BALSAM FIR, LEAVE OAK, CEDAR, AND PINE										
13	O9	35	85	60	oak	mature	selection	2		
comnts Fmd : CONCENTRATE ON CREATING REGENERATION HOLES TO KEEP EPICORMIC BRANCHING DOWN & FAVOR OAK REGENERATION OVER A/RM, CUT ALL ASPEN AND LEAVE RED MAPLE FOR VISUAL EXCEPT IN REGENERATION HOLES, LEAVE ALL R/W PINE AND PROTECT WP U.S., STAND WILL BE A MIX OF OAK, ASPEN, AND PINE IN THE FUTURE										
14	O9	5	85	60	oak	mature	selection	2		
comnts Fmd : MIX OF PINE AND OAK, MARK OAK/PINE TO CUT AND MANAGE FOR A PINE/OAK MIX, CREATE REGEN. HOLES WHERE POSSIBLE AND FAVOR WHITE OAK, MANAGE FOR A MIXED STAND OF OAK AND PINE										
15	O9	7	85	60	oak	mature	selection	2		
comnts Fmd : CONCENTRATE ON CREATING REGENERATION HOLES TO KEEP EPICORMIC BRANCHING DOWN & FAVOR OAK REGENERATION OVER A/RM, CUT ALL ASPEN AND LEAVE RED MAPLE FOR VISUAL EXCEPT IN REGENERATION HOLES, LEAVE ALL R/W PINE AND PROTECT WP U.S., STAND WILL BE A MIX OF OAK ASPEN, AND PINE IN THE FUTURE										
16	A9	8	75	55	aspen (upland)	mature	final harvest	1		
comnts Fmd : LEAVE PART OF STAND BETWEEN M-18 AND POWERLINE AS BUFFER, COULD ALSO MARK SOME SMALLER RED MAPLE AND WHITE OAKS TO LEAVE FOR VISUAL										
Total Acres.....		63								

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 106 Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
4	E6	30	85	55	swamp hardwoods	mature	final harvest	2		

TREATMENT LIMITING FACTORS: Too wet

comnts Fmd : ASPEN PRETTY WELL GONE, NARROW TRANSITION ZONE BETWEEN UPLAND OAKS AND LOWLAND BRUSH, CUT WITH 4" RULE AND LEAVE OAK/WP/BL. CHERRY TO HELP FILL IN REGENERATION, CUT ON DRY OR FROZEN GROUND DURING DORMANT SEASON, EXPAND CUT INTO E. END OF STAND 34 COMPT 81 WHERE THERE IS A 2-3 ACRE ASPEN INCLUSION, POOR ACCESS, STAND MAY BE SMALLER WHEN T'SALE LINES ARE PUT IN BASED ON TERRAIN, ETC.

9	B5	8	79	50	paper birch	mature	final harvest	1	natural regeneration	
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TREATMENT LIMITING FACTORS: Blocked by other physical obstacle

comnts Fmd : ISLAND OF WB SURROUNDED BY "L", ALSO BLOCKED BY PRIVATE PROPERTY TO THE WEST, MANUAL CUT FOR DEER HABITAT IMPROVEMENT AS NEEDED.

10	E6	15	79	50	swamp hardwoods	mature	final harvest	1		
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TREATMENT LIMITING FACTORS: Blocked by other physical obstacle

comnts Fmd : ISLAND OF UPLAND RED MAPLE SURROUNDED BY SWAMP AND "L", MANUALLY CUT FOR DEER HABITAT IMPROVEMENT AS NEEDED.

23	A6	4	85	55	aspen (upland)	mature	final harvest	2		
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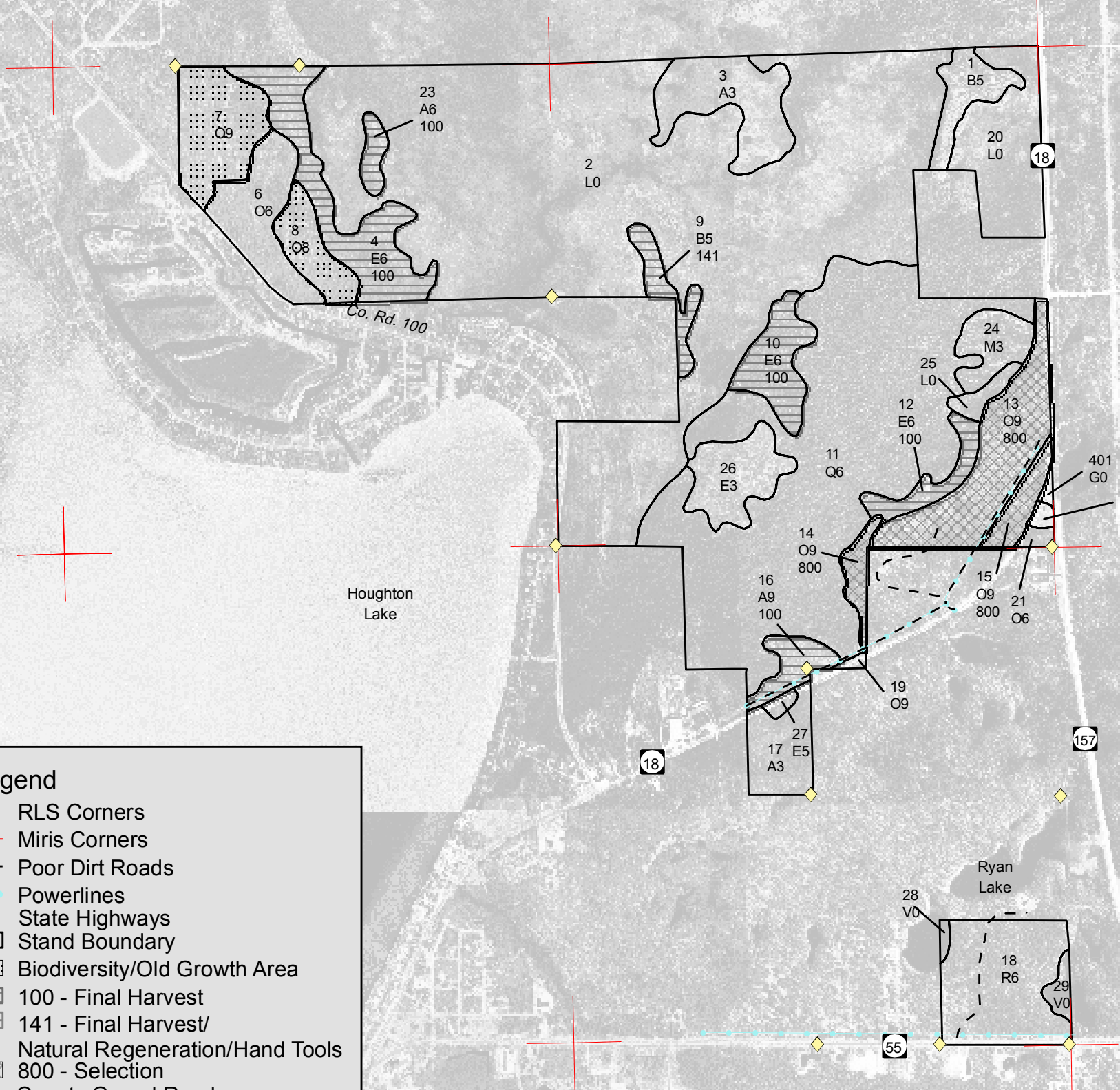
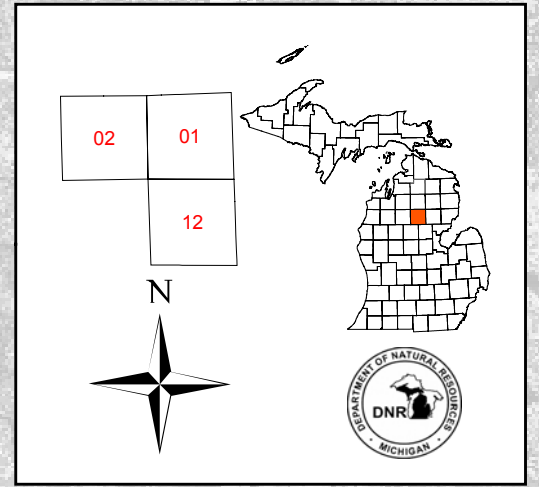
TREATMENT LIMITING FACTORS: Blocked by other physical obstacle

comnts Fmd : ISLAND OF ASPEN CONVERTING TO UPLAND RED MAPLE, HABITAT IF DESIRED

Total Acres..... 57

Field Map

Compartment 106
 T22N, R3W, Sec. 1, 2, 12
 County: Roscommon
 Unit: Roscommon
 YOE: 2007
 Acres: 886 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 10/26/2005
 Map Phase: Pre-review



Legend

- ◆ RLS Corners
- Miris Corners
- - Poor Dirt Roads
- Powerlines
- State Highways
- Stand Boundary
- ▤ Biodiversity/Old Growth Area
- ▨ 100 - Final Harvest
- ▧ 141 - Final Harvest/
Natural Regeneration/Hand Tools
- ▩ 800 - Selection
- Name County Gravel Roads
- Name Water Features

