



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 112 ENTRY YEAR: 2009

Compartment Acreage: 1279 County: Roscommon

Revision Date: 2/27/07

Stand Examiner: D. Ekdom

Legal Description: T22N R4W Sections 31 and 32

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 glacial outwash plain with a few steeper but low moraines in the NW corner. Soils are Rubicon sand, Saugatuck sand, and Lupton muck.

Ownership Patterns, Development, and Land Use in and Around the Compartment: 100% state ownership throughout the compartment with state land in Missaukee and Roscommon counties on the NW, west and south. Private property, mostly permanent residences with a few seasonal hunting cabins, on the NE and east.

Unique, Natural Features: Bigmouth shiner documented in the compartment and great blue heron rookeries documented on adjacent lands.

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

Special Management Designations or Considerations: Bear Creek and Bear Creek Flooding and the stands adjacent to the flooding are an SCA based on the Old Growth/Bio-diversity Stewardship Plan initiated in the 1990's which was never finalized.

Watershed and Fisheries Considerations: Bear Creek and Bear Creek Flooding.

Wildlife Habitat Considerations: Maintain ecosystem diversity in the compartment via regular habitat manipulation to benefit game species such as deer, grouse, rabbits, and turkeys as well as non-game species. Maintenance of Bear Creek Flooding to enhance waterfowl habitat for game species such as ducks and geese as well as non-game species such as eagles, osprey, loons and great blue herons.

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 is the Pennsylvanian Saginaw Formation. The Saginaw is quarried for shale elsewhere in the State. Most of the nearby gravel pits are associated with upland areas. Gravel pits are located in Section 30 and there may be some potential. Nellsville Field is located two miles to

the north. The field has produced over 75,000 BO from the Devonian Dundee and Richfield Formations. None of the State lands in the Compartment are currently leased.

Vehicle Access: Vehicle access is good via seasonal county roads and state forest two tracks.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: Portions of Parrot Road, Panther Drive, and Sparrow Road are also part of the Houghton Lake snowmobile trail. The compartment is also heavily used for hunting and other dispersed recreation.

Fire Protection: Fire protection is not a concern due to the terrain and fuel types as well as the proximity to protection forces. However, this compartment is part of the Zone 4 fire dispatch area.

Additional Compartment Information: Proposed treatments in this compartment include 30 acres of final harvests in aspen/red maple and 7 acres of shelterwood harvests 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**

9/10/2007 9:16:00 AM

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

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: 112

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	205																										205
S Black Spruce		29																									29
V Bog or Marsh			59																								59
C Cedar				57																							57
J Jack Pine							56																				56
L Lowlnd Brush									313																		313
N Marsh											68																68
Q Mx Swmp Cnfr												233															233
O Oak							8							98													106
E Swamp Hrdwds																				20							20
M Upland Hdwds	7																										7
Z Water																									31		31
W White Pine																										95	95
Total	212	29	59	57			64		313		68	233		98						20					31	95	1279

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **112**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	2592 Cds	Hardwood	594 Cds
Hardwood	657 Mbf	Hardwood	177 Mbf
Softwood	3556 Cds	Sum CutVol	948 Cds
Softwood	826 Mbf		
Sum TotVol	9114 Cds		
Total Cmpnt Acres		Acres Proposed For Cut.....	
1279		37	

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 112 Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
9	O1	8	11	50	jack pine	sparse		0	planting		
comnts Fmd : CUT 1996, POSSIBLE REGENERATION FAILURE, PLANT TO JACK PINE											
26	M9	7	80	52	aspen (upland)	mature	final harvest	2	natural regeneration		
comnts Fmd : HIGHER GROUND THAN STAND #59, MARK SCATTERED RP/WP/WO/RO IF CUT FOR RETENTION, SPOTS HEAVY TO W.P. U.S. (N. END OF STAND) COULD BE LEFT TO MANAGE FOR WHITE PINE, ANY CIOMBINATION OF A/O/RM TO A FULLY STOCKED STAND IS ACCEPTABLE REGENERATION, ACCESS IS OFF PANTHER DRIVE IN MISSAUKEE COUNTY											
37	A6	18	69	55	aspen (upland)	mature	final harvest	1	natural regeneration		
comnts Fmd : FINAL HARVEST LEAVING HEAVY OAK PATCHES OUT OF THE SALE, ALSO LEAVE AREAS HEAVY TO WHITE PINE THAT IS MERCHANTABLE (W6), BUFFER SWAMP FOR RETENTION, LEAVE PORTION WEST OF THE ROAD FOR RETENTION, SAVE SMALLER WHITE PINE WITHIN 1 CHAIN OF THE ROAD/S.M.T. FOR VISUAL, ACREAGE MAY VARY DEPENDING ON THE SIZE OF THE OAK/WP CLUMPS - UNABLE TO TELL A/O BREAK USING D.O.Q.'S, ANY COMBINATION OF A/O/RM TO A FULLY STOCKED STAND IS ACCEPTABLE REGENERATION											
55	A6	5	69	70	aspen (upland)	mature	final harvest	1	natural regeneration		
comnts Fmd : 2 AGED ASPEN STAND WITH MIXED OAK S.L. AND W.P. POLES, FINAL HARVEST FOR ASPEN AGE CLASS DISTRIBUTION OR HOLD 10 YEARS, ANY COMBINATION OF A/O/RM TO A FULLY STOCKED STAND IS ACCEPTABLE REGENERATION											
58	O9	7	95	51	oak	two aged	shelterwood-seed	2	natural regeneration		
comnts Fmd : O9W2, ROLLING TERRAIN WITH STEEP SLOPE TO SWAMP ON SOUTH END, BUFFER SWAMP, CUT RED OAK AND PIN OAK AND OTHER HARDWOODS, LEAVE R/W PINE AND WHITE OAK, MARK SOME NICER RED OAK FOR RETENTION, SAVE ADVANCED WP/OAK REGENERATION, EXTEND CUT INTO COMPT 111 STAND #5 (EAST OF 2T AND SOUTH OF THE S.M.T.), KEEP PORTION EAST AND SOUTH OF SPARROW ROAD AS RETENTION, MANAGE FOR AN OAK/PINE MIX, ANY COMBINATION OF REGENERATION TO A FULLY STOCKED STAND IS ACCEPTABLE, PLANT RED PINE OR WHITE PINE IF REGENERATION IS POOR											
Total Acres.....		45									

**Proposed Treatments
With Limiting Factors**

Compartment: 112

Entry Year: 2009

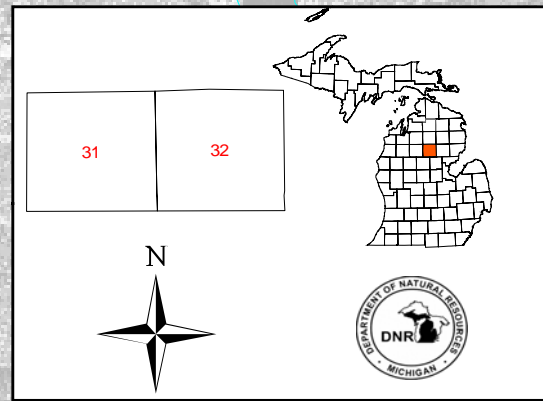
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
--------------	-----------------------	--------------	------------	-----------------------	--------------------	------------------	-----------------------	-----------------------------	--------------------------	----------------------

TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 112
 T22N, R04W, Sec. 31, 32
 County: Roscommon
 Unit: Roscommon
 YOE: 2009
 Acres: 1,279 GIS Calculated
 Stand Examiner: Dale Ekdom
 Map Revised: 9/04/2007
 Map Phase: Pre-review



Legend

- Miris Corners
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Trails
- Water Features
- Snowmobile Trails
- Stand Boundary
- Biodiversity/Old Growth Areas
- 016 - Planting
- 148 - Final Harvest/Natural Regeneration/Other
- 348 - Shelterwood-seed/Natural Regeneration/Other

