



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 31 ENTRY YEAR: 2009

Compartment Acreage: 831 County: Roscommon

Revision Date: 08-28-2007

Stand Examiner: J. Hartman

Legal Description: T24N R3W sections 30, 31 and 32

Management Goals: Regenerate the aspen along Co. Rd. 104, which has been declining due to periodic leafroller infestations. A high percentage of pine and oak retention and a couple pockets of aspen leave areas are planned in these stands for aesthetic purposes. -- Some treatments are also planned in the red oak on the north side of the compartment. These treatments should enhance stand vigor and reduce the potential for spread of oak wilt infestations that are prevalent in the area.

Soil and Topography: Soils are composed of pitted outwash deposits on relatively hilly terrain. The highest quality sites are on the hilliest terrain in section 30. Section 31 is flatter with lower quality soils.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is composed of three state parcels surrounded by private land. Parcelization of the surrounding private land has been extensive and there are numerous seasonal homes in the vicinity. Stand #19 is a small sliver of state land that is being recommended for disposal.

Unique, Natural Features: Secretive locust, Bald eagle, Rainbow mussel, Osprey, Red-shouldered hawk, Blanding's turtle, Least bittern, and Black tern have been identified in the vicinity. Potential exists for goshawk and Doll's merolonche.

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

Special Management Designations or Considerations: None designated at this time.

Watershed and Fisheries Considerations: Stands 1 and 2 are part of a wetland complex that provides groundwater to Higgins Lake. There is also a drain that empties into Higgins Lake near Old Point Comfort that originates in this wetland.

Wildlife Habitat Considerations: There are six maintained openings in section 31 that are part of the Deadstream complex.

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 200 and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum in other areas of the State. Most of the good gravel pits are associated with upland areas. A gravel pit is located in Section 30 and there is good potential on the uplands. East Norwich Field is located six miles to the northwest. The field has produced over 5.9 million BO and 15.7 Bcf gas primarily from the Devonian Richfield Formation. It is in secondary recovery operations currently. None of the State land in the Compartment is currently leased.

Vehicle Access: There are an excessive amount of two tracks around the maintained openings in section 31. Most appear to be due to firewood cutting and the illegal re-opening and continued use of old skid trails as roads. Most of the firewood has already been removed and it would be very difficult to permanently close many of these two tracks due to the amount of open space and the number of users in the area. Excessive roads that will be subject to closure have been identified on the compartment map.

Survey Needs: None necessary at this time. All of the corners needed for timber sales have been identified.

Recreational Facilities and Opportunities: Despite the heavy pressure and number of private residences, grouse, woodcock, deer, squirrel, and turkey hunting opportunities are abundant in this compartment. Snowmobile traffic was evident over all areas of section 31 and some of the two tracks in section 30 are being used by cross country skiers.

Fire Protection: There is good vehicle access and little hazardous fuels exist in this compartment. Several nearby road ends at Higgins Lake provide good water points and the satellite station for Gerrish Township Fire Department is very close by.

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: 31

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	284													25													309
G Grass					31																						31
X Non Stocked													28														28
O Oak	8													419													427
R Red Pine																9											9
D Treed Bog																							27				27
Total	292				31								28	444		9							27				831

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **31**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	3465 Cds	Hardwood	1142 Cds
Hardwood	2405 Mbf	Hardwood	245 Mbf
Softwood	675 Cds	Softwood	528 Cds
Softwood	36 Mbf	Softwood	36 Mbf
Sum TotVol	9022 Cds	Sum CutVol	2232 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
831		193	

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 31

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
5	O9	70	91	60	oak	immature	thinning	2		
comnts Fmd : Quality northern red oak with red maple understory. Considering thinning to promote larger sawlog growth. Hilly. Look at again in spring. Stand could hold. There are higher priority stands in the compartment.										
Wld : Decent understory cover consisting of red maple and witch-hazel. Any treatment should focus on favoring mast producing trees.										
6	O9	24	91	60	oak	immature	final harvest	2	natural regeneration	
comnts Fmd : Very similar to stand 5 except that most of it is on a south facing slope with more mixed oak and white oak. Considering clear-cut w/ reserves w/ about 10% retention of mast trees. More retention along property line. There is some scattered pine regen that would also be left. Dormant cut only. Alternative regen option would be to plant red pine.										
Wld : Nice oak stand with heavy wildlife use, especially songbirds and turkeys. Lots of den/cavity trees present in stand, several were marked with green paint. Could consider holding for wildlife but if treated, protect den trees by surveying and marking for retention. Several large crown mast trees should also be retained for mast production. Understory vegetation, where present, is primarily which hazel. Very little pine present in US. Continue management for oak and mast production for wildlife.										
20	A6	64	67	50	aspen (upland)	mature	final harvest	2	natural regeneration	
comnts Fmd : Contains strips of red pine plantation (1965) that are overtopped by aspen and oak in most spots and relatively poor formed in solid areas. Oak is mixed in throughout aspen and pine areas. Treat the aspen and red pine as one contiguous stand and manage for aspen regen. Mark retention patches and individual leave trees retaining windfirm pine and large mast trees. Could also mark to thin the pine areas heavily in order to leave more retention along this travel corridor.										
Wld : Stand is located along wildlife travel corridor. N 1/3 of stand is oak/pine with the rest aspen/pine. Aspen is ready for treatment. A few oak could be kept for mast, diversity and retention.										
21	A6	27	67	50	aspen (upland)	mature	final harvest	2		
comnts Fmd : Contains strips of red pine plantation (1965) that are overtopped by aspen and oak in most spots and relatively poor formed in solid areas. Oak is mixed in throughout aspen and pine areas. Treat the aspen and red pine as one contiguous stand and manage for aspen regen. Mark retention patches and individual leave trees retaining windfirm pine and large mast trees. Could also mark to thin the pine areas heavily in order to leave more retention along this travel corridor.										
Wld : Stand is located along wildlife travel corridor. Aspen is ready for treatment. A few oak could be kept for mast, diversity and retention.										
104	O8	8	91	55	aspen (upland)	mature	final harvest	3	natural regeneration	
comnts Fmd : Part of stands 5 and 6 where 30 yr old aspen spread in from stand 4, but is suppressed in most spots. Part of this stand can be used as a landing area for all three stands due to the terrain. CC w/ reserves. Hold this stand if it is decided to hold 5 and 6.										
Wld : Aspen exists in pockets but much of stand is maple and oak with RM and witch-hazel understory. Final harvest should produce red maple and aspen regen.										
401	G0	4			grass	nonstocked		0	opening maintenance	
comnts Fmd : Maintained mowed field. 6A										
402	G0	4			grass	nonstocked		0	opening maintenance	
comnts Fmd : Maintained mowed field. 6E										
404	G0	17			grass	nonstocked		0	opening maintenance	
comnts Fmd : Maintained mowed field. 6C										
405	G0	1			grass	nonstocked		0	opening maintenance	
comnts Fmd : Maintained mowed field. 6D										
406	G0	1			grass	nonstocked		0	opening maintenance	
comnts Fmd : Maintained mowed field. 6B										
409	G0	2			grass	nonstocked		0	opening maintenance	
comnts Fmd : Maintained mowed field. 6F										
410	G0	2			grass	nonstocked		0	opening maintenance	
comnts Fmd :										

ROSCOMMON FOREST MGT UNIT

Proposed Treatments
With NO Limiting Factors

Compartment: 31

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
Total Acres.....		224								

**Proposed Treatments
With Limiting Factors**

Compartment: 31

Entry Year: 2009

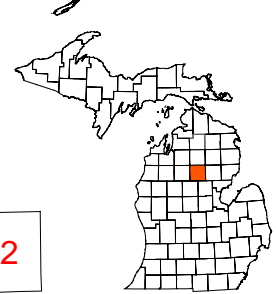
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:



Total Acres..... 0

Field Map

Compartment 31
 T24N, R3W, Sec. 19, 30-32
 County: Roscommon
 Unit: Roscommon
 YOE: 2009
 Acres: 831 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 9/04/2007
 Map Phase: Pre-Review



19	
30	
31	32

Legend

-  RLS Corners
-  Miris Corners
-  County Paved Roads
-  County Gravel Roads
-  Gravel Roads
-  Poor Dirt Roads
-  Roads Subject to Closure
-  Stand Boundary
-  026 - Opening Maintenance
-  028 - Opening Maintenance/Other
-  100 - Final Harvest
-  148 - Final Harvest/Natural Regeneration/Other
-  400 - Thinning

