



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 53 ENTRY YEAR: 2009

Compartment Acreage: 2263 County: Roscommon

Revision Date: 2/27/07

Stand Examiner: D. Ekdom

Legal Description: T23N R1W Sections 2, 3, 10, and 11

RMU (if applicable): Not Applicable

Management Goals: Maintain current age and cover-types as specified in the Kirtlands Warbler Recovery Plan (KWRP) in that part of the compartment which is within the plan. Maintain current age and species diversity in a range of early and late successional ecosystems in the rest of the compartment.

Soil and Topography: Terrain is mainly level glacial outwash plain with an occasional small moraine. Soils are primarily Grayling sand in the upland areas with Rifle peat in the lower drainages.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Compartment is a solid block of state land with a 320 acre parcel of private in Section 2. Private land within the compartment contains both permanent residences and seasonal cabins used for hunting. This compartment is totally surrounded by state land.

Unique, Natural Features: Kirtlands warblers have been documented in the jack pine areas of the compartment. Loons, bald eagles, and great blue herons as well as secretive locust and doll's merolonche have been documented on lands adjacent to the compartment. Potential for Rough Fescue, Hills Thistle, Pale Agoseris, and Allegheny Plum and other pine barren/savannah species exists throughout the compartment.

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

Special Management Designations or Considerations: Compartment is within the St. Helen/Ogemaw Kirtlands Warbler Management Unit. Kirtlands Warbler Block 100 and the west half of Block 101 are in this compartment. Stands designated as part of the KWRP are classified as HCVA's. Per the KWRP, no regeneration cuts for KW habitat are scheduled in this compartment for this year-of-entry.

Watershed and Fisheries Considerations: None

Wildlife Habitat Considerations: Maintain as much ecosystem diversity in the compartment as possible given constraints imposed by the KWRP to benefit game species such as deer, grouse, rabbits, and turkeys as well as non-game species.

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 600 feet. Beneath the glacial drift are the Mississippian Michigan Formation and Marshall Sandstone. The

Michigan is quarried for gypsum and the Marshall was previously used as a building stone in other areas of the State. Most of the good gravel pits are associated with upland areas. Only a clay pit is located in this area and gravel potential appears to be limited. St. Helen Field is located one mile to the north. 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 leases in the Compartment, currently

Vehicle Access: Vehicle access is excellent via county roads, state forest two-tracks, and the snowmobile trail. Compartment also contains portions of the ORV and MCCC trails.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: This compartment contains portions of the St. Helen snowmobile trail and the St. Helen to Geels ORV and MCCC trail. This compartment is also heavily used for dispersed recreation such as hunting and gathering.

Fire Protection: This compartment contains large acreages of jack pine – an extremely hazardous fuel type. Fuelbreaks are planned along section line roads in the heavy jack pine areas and will be or have been developed and maintained as the adjacent stands are cut and regenerated. This compartment is in the Zone 3 fire dispatch area.

Additional Compartment Information: Proposed treatments include 92 acres of final harvests in aspen and jack pine, 9 acres of shelterwood harvests in oak, and 168 acres of thinnings in red and jack pine.

- **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: 53

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	342																										342
V Bog or Marsh			8																								8
G Grass					61																						61
J Jack Pine							1225								105												1330
L Lowlnd Brush									81																		81
P Lowlnd Poplr										4																	4
Q Mx Swmp Cnfr												127															127
O Oak														118													118
R Red Pine															139												139
E Swamp Hrdwds																				15							15
D Treed Bog																							8				8
U Upland Brush																								12			12
W White Pine																										18	18
Total	342		8		61		1225		81	4		127		118	244					15		8	12			18	2263

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **53**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	4889 Cds	Hardwood	1149 Cds
Hardwood	368 Mbf	Hardwood	91 Mbf
Softwood	8360 Cds	Softwood	1863 Cds
Softwood	2681 Mbf	Softwood	304 Mbf
Sum TotVol	19347 Cds	Sum CutVol	3802 Cds
Total Cmpnt Acres		Acres Proposed For Cut.....	269
2263			

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 53

Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
18	J5	10	32	49	jack pine	immature		0	other - specify in remarks	
comnts Fmd : KW BLOCK V - CONTAINS SPECIAL RESEARCH PLOT FOR 600+ ACRE KW BURN, BURNED 4/21/98 AND 5/19/03, TRANSITIONING TO J6, MAY WANT TO BURN AGAIN										
28	A6	14	34	60	aspen (upland)	two aged	final harvest	1	natural regeneration	
comnts Fmd : MIXED BAG STAND - 2 AGED, A/O/J POLES & SAPS WITH SCATTERED O/RP/JP SAWLOGS AND SOME AREAS OF W2, VARIES FROM DRY TO WET GROUND, SOME HYPOX. CANCKER ON ASPEN, LEAVE AREAS HEAVY TO PINE AND LOWER/WETTER AREAS OUT OF SALE FOR RETENTION, CUT ON DRY OR FROZEN GROUND DURING THE DORMANT SEASON, WILL ACCEPT ANY REGENERATION TO A FULLY STOCKED STAND, CUT WITH STAND #29										
Wld : Aspen stand with some large pine. If treated and pine is left, leave large oak >14 inches DBH.										
29	A6	58	47	60	aspen (upland)	immature	final harvest	1	natural regeneration	
comnts Fmd : SOME SCATTERED OVERSTORY (OAK,RP,JP). SOME AREAS HAVE OLD GROWTH RED/WHITE PINE, SOME AREAS ARE O3 WHICH IS JUST REACHING MERCH., ASPEN IS VERY POOR QUALITY AND GROWING VERY SLOWLY DUE TO EITHER HYPOX. CANCKER OR SUPPRESSION BY THE OVERSTORY, LEAVE AREAS HEAVY TO R/W PINE (PRINCIPALLY THE NORTH END) FOR DIVERSITY/RETENTION, CUT WITH STAND #28 DURING THE DORMANT SEASON, ANY REGENERATION TO A FULLY STOCKED STAND IS ACCEPTABLE										
Wld : Aspen stand with some large pine. If treated and pine is left, leave large oak >14 inches DBH.										
38	O9	9	84	59	oak	mature	shelterwood-seed	1	natural regeneration	
comnts Fmd : SCHEDULED FOR SHELTERWOOD CUT LAST Y.O.E. AND NEVER DONE, CUT EVERYTHING EXCEPT WHITE OAK AND R/W PINE, MARK A FEW MIXED OAK,RED MAPLE FOR RETENTION, CUT WITH STAND #40, TRENCH/PLANT RED PINE WHERE OAK DOES NOT REGENERATE										
Wld :										
40	R9	53	59	68	red pine	two aged	thinning	1		
comnts Fmd : NICE RED PINE STAND, BEGIN REMOVING DEFECTS/DOUBLES, ETC. AND SOME UTILITY POLES/SAWLOGS										
Wld : Red pine plantation, nice oak understory on north end.										
44	R9	30	77	60	red pine	immature	thinning	2		
comnts Fmd : REMOVED J. PINE & HARDWOODS IN 2000, MARK R. PINE TO MAINTAIN 120 SF RESIDUAL CONCENTRATING ON DOUBLES, POORLY FORMED, AND SLOW GROWING R. PINES.										
48	J6	20	38	53	red pine	mature	final harvest	1	planting	
comnts Fmd : LEFTOVER PORTION OF STAND #44 THAT WAS NOT THINNED IN 1999 Y.O.E., RP SAWLOGS/ JP SAWLOGS/JP POLES, LOWER SITE INDEX THAN STAND #44,RED PINE TOPPED OUT AND JACK PINE DECLINING, FINAL HARVEST AND PLANT RED PINE, NOT K.W. HABITAT ACCORDING K.W.M.P.										
Wld : Narrow stand of JP, a few oak present. KOTAR habitat type PVCd. If treated, leave all oak for seed source and mast.										
51	J9	85	77	54	red pine	mature	thinning	3		
comnts Fmd : KW BLOCK II - YOЕ 1999, MIX OF JACK PINE AND RED PINE, SOME PARTS HEAVY TO JACK PINE AND OTHER PARTS HEAVY TO RED PINE, ALL JACK PINE STARTING TO DECLINE, THIN BY REMOVING JACK PINE AND LEAVING ALL RED PINE/OAK, THIS WILL SALVAGE THE DECLINING JACK PINE BUT REMOVE THE NEED TO REGENERATE THE STAND TO JACK PINE FOR K.W.										
Wld : Stand is old plantation of mixed red and jack pine. Furrows still visible in some locaitons. KOTAR habitat type PVCd. Stand is part of a Kirtland's warbler mgt. unit. Stand could be harvested now and regenerated to JP for warbler or thin pine now and hold until next YOЕ and manage for KW habitat at that time. May be desirable to buffer F-97.										
400	G0	5		67	grass	nonstocked		0	opening maintenance	
comnts Fmd : MAINTAINED WILDLIFE OPENING IN SOUTHWEST PART OF COMPT										
402	G0	17		67	grass	nonstocked		0	opening maintenance	
comnts Fmd : FUELBREAK - BURN AS NECESSARY										
Total Acres.....		301								

**Proposed Treatments
With Limiting Factors**

Compartment: 53

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 53
 T23N, R1W, Sec. 2, 3, 10, 11
 County: Roscommon
 Unit: Roscommon
 YOE: 2009
 Acres: 2,263 GIS Calculated
 Stand Examiner: Dale Ekdorn
 Map Revised: 9/04/2007
 Map Phase: Pre-review

Legend

- Miris Corners
- Highways
- County Gravel Roads
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Trails
- Powerlines
- Water Features
- State Highway
- ORV Trails
- MCCCT Trails
- Snowmobile Trails
- Stand Boundaries
- 026 - Opening Maintenance
- 027 - Opening Maintenance/Prescribed Burning
- 097 - Other/Prescribed Burning
- 116 - Final Harvest/Planting
- 148 - Final Harvest/Natural Regeneration/Other
- 348 - Shelterwood-seed/Natural Regeneration/Other
- 400 - Thinning



3	2
10	11

