



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 56 ENTRY YEAR: 2008

Compartment Acreage: 1621 County: Roscommon

Revision Date: 10-26-2006

Stand Examiner: Jason Lewicki

Legal Description: T23N R01W Sections 17, 18, 19 and 20

RMU (if applicable):N/A

Management Goals: To maintain species and structural diversity while managing the ecosystem for health, productivity, sustainability and recreation within the compartment.

Soil and Topography: Grayling, Newton, Saugatuck, rifle peat and Rubicon sands. Topography is generally flat to gentle rolling.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

Unique, Natural Features: The south and east borders of this compartment is private property owned by the St. Helen Shooting Club.

Archeological, Historical, and Cultural Features: Native American sites along the shores of Lake St. Helen.

Special Management Designations or Considerations: Special considerations to historic Native American sites.

Watershed and Fisheries Considerations: Watersheds into Lake St. Helen and South Branch of the Ausable River

Wildlife Habitat Considerations: Provide and maintain habitat for a variety of game and non game species. There are two maintained openings in section 18.

Mineral Resource and Development Concerns and/or Restrictions: Sections 17 - 20, T23N-R1W, 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 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. Only sand pits are located in this area and gravel potential appears to be limited. St. Helen Field is located three miles 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 generally good on the areas of high ground within the compartment. Some areas are inaccessible due to being landlocked by private property.

Survey Needs: Possible survey needs if stands 22 and 60 are to be treated (Access through private).

Recreational Facilities and Opportunities: Good vehicle access creates excellent hunting opportunities.

Fire Protection: Majority of compartment is state owned with little urban interface. Most of the compartment that is upland contains hardwood species.

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: 56

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	160																										160
V Bog or Marsh			50																								50
G Grass					8																						8
J Jack Pine							102																				102
L Lowlnd Brush									238																		238
N Marsh											47																47
Q Mx Swmp Cnfr												339															339
O Oak														333	103												436
R Red Pine																23											23
E Swamp Hrdwds																				98							98
U Upland Brush																								66			66
W White Pine																										54	54
Total	160		50		8		102		238		47	339		333	126					98				66		54	1621

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **56**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	4126 Cds	Hardwood	1224 Cds
Hardwood	1136 Mbf	Hardwood	404 Mbf
Softwood	4405 Cds	Softwood	462 Cds
Softwood	541 Mbf	Softwood	134 Mbf
Sum TotVol	11885 Cds	Sum CutVol	2762 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	257
1621			

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 56

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
2	R9	12	90	56	red pine	mature	seed tree	1	other - specify in remarks		
comnts Fmd : Larger diameter red pine stand with scattered quaking aspen. red maple understory. Final harvest leaving scattered healthy large crowned red pine. RX burn to control maple and aspen. Plant red pine or a mix of red and jack. More aspen in NW corner of stand. Possibly let go to aspen. Evaluate regeneration after harvest.											
27	O8	27	80	50	oak	immature	shelterwood-seed	1			
comnts Fmd : Old pin/white oak stand with heavy white pine regeneration. Mark 10-20 BA of oak favoring white oak but not excluding red/pin with healthy well developed crowns. Cut all trees in areas where oak is thicker and has less white pine regen to create canopy gaps for oak stump sprouting. Stand should be shortwooded and leaving the oak tops to protect white pine regeneration. Co-manage for oak and white pine. If some areas are understocked at time of regeneration survey plant those areas to red or white pine. Dormant season harvest to promote better oak regeneration from stump sprouts.											
36	J6	27	60	55	jack pine	immature	final harvest	1	planting		
comnts Fmd : J6 stand with areas mixed with balsam fir especially to the west along swamp edge. Red pine sawtimber is found scattered about and in pockets. A few pockets or clones of aspen approaching pole size. Red pine is growing better and has higher site index than jack pine. Final harvest stand and save a few scattered red pine and even a few jack pine and balsam fir. Mark out "islands" of aspen to exclude them from the sale. Plant to a mix of jack pine(75%) and red pine(25%) for diversity. Add rabitat spec in t-sale to promote snowshoe habitat. Add to ftp to avoid planting through brush piles.											
54	O9	35	80	55	oak	immature	seed tree	1			
comnts Fmd : Red/white oak stand. White oak has great form. Scattered white pine regeneration and scattered white pine poletimber. A few scattered large red pine and red pine regen on west edge of stand. Old notes indicated stand had some oak cut to promote existing white pine in the 60's. Some oak stump sprouts from that cut are just now approaching pole timber size. Shelterwood/seed tree stand leaving 10-20 BA of oak favoring good crowned white but not excluding red oak. Possibly cut some red pine to promote and release red pine regen. Manage for oak and pine mix. Stand has some open areas. Possibly create large canopy gaps by removing large pockets of oak to promote stump sprouting. If oak stump sprouting fails and white pine doesn't fill in, plant understocked areas with red pine. Dormant season harvest to promote better stump sprout regeneration. Take visuals into account along moore rd. by marking heavier to leave.											
70	O1	67	8	55	red pine	immature		0	planting		
comnts Fmd : Most regeneration has failed. Some red maple, oak and white pine scattered about. Plant low stocked areas with a mix of red pine(60%) and white pine(40%). Avoid regen pockets when planting.											
72	O1	36	8	55	red pine	immature		0	planting		
comnts Fmd : Most regeneration has failed. Some red maple, oak and white pine scattered about. Plant low stocked areas with a mix of red pine(60%) and white pine(40%). Avoid regen pockets when planting.											
80	A6	4	68	58	aspen (upland)	mature	final harvest	1	other - specify in remarks		
comnts Fmd : Old BTA stand in decline. Final harvest leaving conifers for structure. Leave some tops for "rabitat" along J/Q type. Leave a few reserve trees. Will accept a mix of hardwood and softwood species if aspen regeneration fails											
81	J6	3	68	55	jack pine	mature	seed tree	1	planting		
comnts Fmd : Low jack pine "Q" type between aspen stand 80 and bog. Cut all jack pine and aspen. Possibly mark some white pine and spruce for operability. Leave jack pine tops for seed and "rabitat". If natural jack pine and aspen regeneration fails and spruce doesn't fill in, plant understocked areas with jack pine. Sale may incorporate a few acres into the compartment to the north.											
102	R9	2	60	60	red pine	immature	thinning	1			
comnts Fmd : Small acreage of natural red pine in need of thinning. Treat with stand 36. Thin to 80 -90 sqft BA											
400	G0	1			grass	nonstocked		0	opening maintenance		
comnts Fmd :											
403	G0	4			grass	nonstocked		0	opening maintenance		
comnts Fmd : Maintained opening #15											
405	G0	3			grass	nonstocked		0	opening maintenance		
comnts Fmd : Maintained opening #14. Stretches into compartment to the north											
Total Acres.....		221									

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 56

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
22	O6	93	75	52	oak	mature	seed tree	1		

TREATMENT LIMITING FACTORS: Adjacent landowner denies access

comnts Fmd : Pin/white oak stand with little to no red maple or aspen component. White pine in understory showing excellent growth, some trees have 1-2 1/2' growth between whirls. Old burnt white pine stumps. Shelterwood/seed tree leaving 10 sq ft of good crowned oaks favoring white oak but not excluding good formed pin/red oaks. Stand should regenerate to oak from stump sprouts and white pine seedlings that are already present. If oak regeneration fails plant unstocked areas to red pine. This area can only be accessed through private property(St. Helen Shooting Club) and access has been granted for management purposes in the past. Dormant season harvest to promote better stump sprout regeneration.

60	O8	41	75	52	oak	mature	seed tree	1		
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TREATMENT LIMITING FACTORS: Adjacent landowner denies access

comnts Fmd : Old pin/white oak stand. Some white pine regen in stand. A small poicket of red pine saw timber on the west point of stand. Some red pine has seeded in around them. If PVT access is gained shelterwood/seedtree stand leaving 10-20 BA of better crowned oak favoring white oak but not excluding pin oak. If oak stump sprouting fails plant red pine in understocked areas. Eagles nest found in NE corner of stand. Dormant season harvest to promote stump sprout regeneration.

69	O9	13	88	55	oak	old growth (potential or actual)	seed tree	1		
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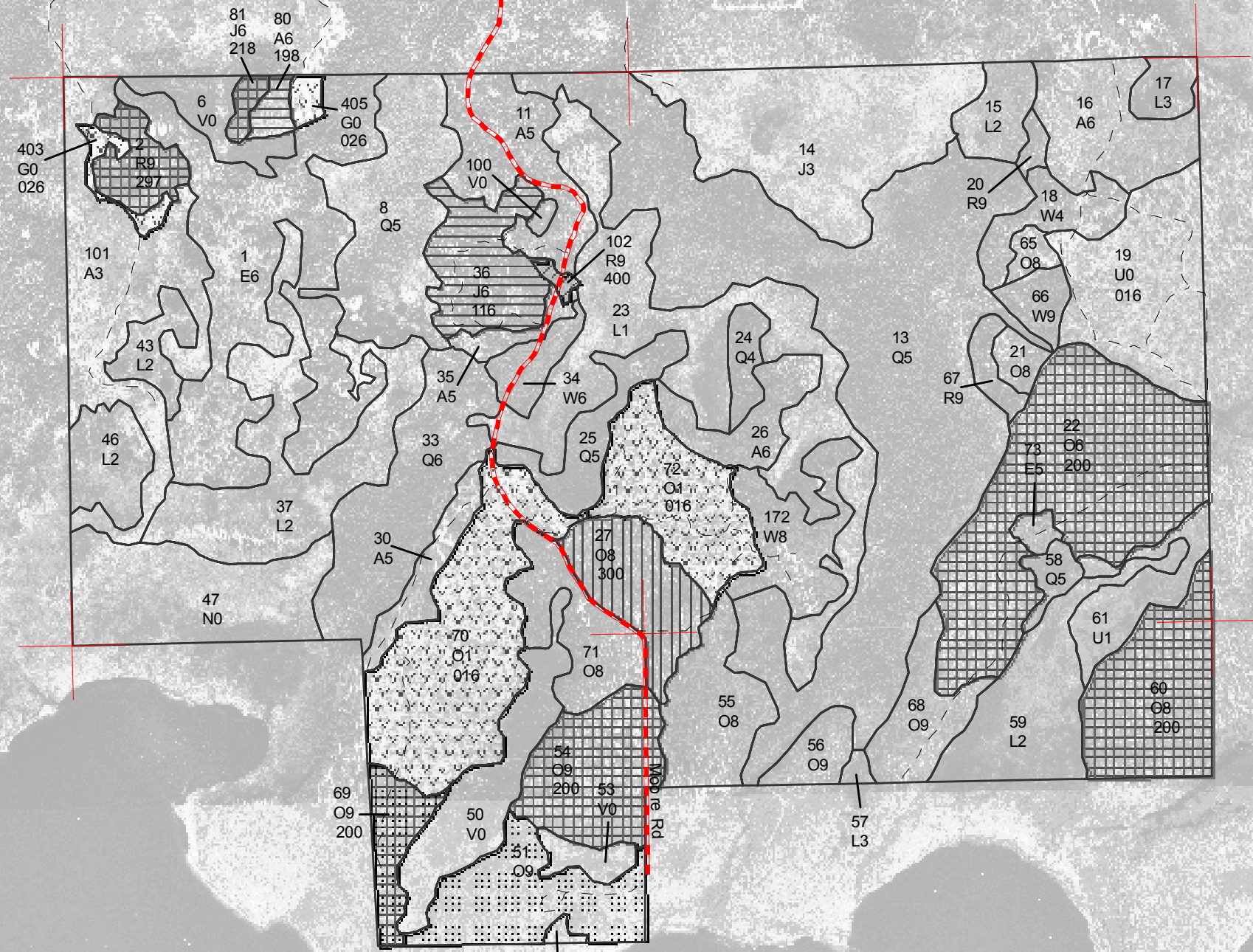
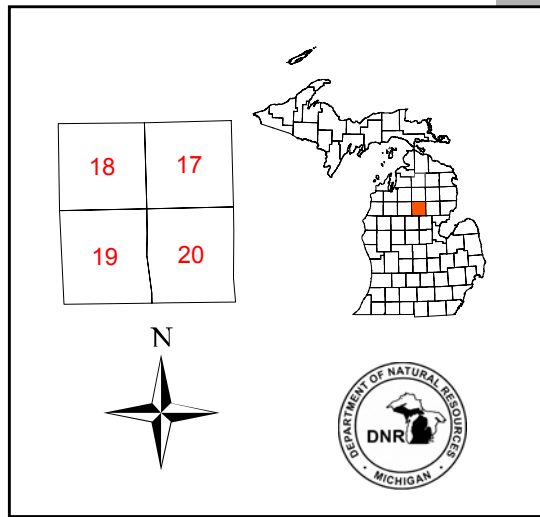
TREATMENT LIMITING FACTORS: Potential or designated old growth

comnts Fmd : Nice red/white oak sawtimber stand with white pine regeneration. More white pine on north side of stand. Old notes say potential old growth due to native american indian site on the shores of Lake St. Helen. Stand could use treatment, would llike to shelterwood/seed tree stand leaving 10-20 BA of good crowned oak favoring white. Possibly girdle a few poow quality oaks for snags. Hand plant tored pine if harvested and oak regenreations fails(archeological reasons). Dormant season harvest to promote better stump sprout regeneration.

Total Acres..... 147

Field Map

Compartment 56
 T23N, R01W, Sec. 17-20
 County: Roscommon
 Unit: Roscommon
 YOE: 2008
 Acres: 1,621 GIS Calculated
 Stand Examiner: Jason Lewicki
 Map Revised: 10/30/2006
 Map Phase: Pre-review



Legend

- Miris Corners
- - - County Gravel Roads
- - - Poor Dirt Roads
- Stand Boundary
- ▤ Biodiversity/Old Growth Areas
- ▨ 016 - Planting
- ▧ 026 - Opening Maintenance
- ▩ 116 - Final Harvest/Planting
- 198 - Final Harvest/Other/Other
- 200 - Seed Tree
- ▬ 218 - Seed Tree/Planting/Other
- ▭ 287 - Seed Tree/Other/Prescribed Burning
- ▮ 300 - Shelterwood-seed
- ▯ 400 - Thinning

