



**SAULT FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 57 ENTRY YEAR: 2007

Compartment Acreage: 1837 County: Chippewa

Revision Date: September 14, 2005

Stand Examiner: Lucas Merrick

Legal Description: T44N R1E Sec 25, 26, 34 - 36

Management Goals: To regenerate mature aspen and balsam poplar stands to develop a sustainable age class distribution regime for those species and enhance wildlife habitat. To prescribe treatments in the lowland areas which are conducive to protecting water quality. To rotate hardwood harvests for optimal regeneration and stocking of all age classes for sustainability. To maintain openings as needed to manage for wildlife habitat, including waterfowl. To provide reasonable public access for multiple use recreation such as hunting, trail riding, camping, and hiking, while protecting the natural resources.

Soil and Topography: Kalkaska-Rubicon: deep, level to steep, excessively drained sandy soils on outwash plains and ground moraines on the west side. Markey Dawson: deep, level, poorly drained mucky and peaty soils on outwash plains, lake plains, and ground moraines on the east side. Topography is flat on the west side to the ridge leading down into the Gogomain swamp on the east side.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment is two blocks separated and surrounded by private land, mostly active farms, on the south and west side. Some hunting camps on the private parcels within and surrounding the compartment. The north side is State land and the east side is Munuscong Bay. Land use is hunting, trail riding, and timber and wildlife management. Landscape level management is limited here but proper planning is crucial to sustainability.

Unique, Natural Features: Munuscong Bay borders the east side.

Archeological, Historical, and Cultural Features: None known.

Special Management Designations or Considerations: Munuscong Bay

Watershed and Fisheries Considerations: This compartment contains Lake Huron shoreline along Munuscong Bay within the St. Marys River. Munuscong Bay provides important spawning and nursery habitat for walleye. Recommend that a buffer strip (no clear cutting) of at least 100 feet be maintained in Stand 18, and that best management practices be applied to minimize erosion and sedimentation into Munuscong Bay. A separate stand has been mapped to provide this protection.

Wildlife Habitat Considerations: The Munuscong Wildlife Area (MWA) is adjacent to Munuscong Lake and the St. Mary's River in east-central Chippewa County. According to Albert, the regional landscape classification is Northern Lacustrine (section) and the landscape ecosystem is Rudyard Clay Lake Plain (subsection). Major portions of this wildlife area were purchased for the purpose of the wildlife restoration

and management, and therefore, restoration and management of wild birds and mammals and provision for public use of wildlife resources is the primary management goal.

Forest management activities will likely benefit those species requiring early successional habitat such as ruffed grouse, black bear, white-tailed deer, snowshoe hare, towhees and purple finch. Mature forests that exist in close proximity to open water may benefit waterfowl such as black duck, wood duck and hooded merganser.

The extensive lowland conifer that dominates the interior portion of this compartment will be allowed to function naturally which will provide winter thermal cover for white-tailed deer, and important cover for songbirds such as redpolls, siskins and, warblers.

Maintenance of the open wetlands will benefit many species of water dependant birds and mammals. Those species include but are not limited to otter, muskrat, beaver, mink, merlin, bald eagle, peregrine falcon, osprey, snipe, and yellow rail.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel, peat and muck and coarse-textured till. The glacial drift thickness varies between 50 and 200 feet. The Ordovician Utica Shale and Stonington Formation subcrop below the glacial drift. The Stonington could be used for stone. Gravel pits are located in Section 22 and potential appears to be good in this area. There is no current economic oil and gas production in the UP.

Vehicle Access: Gogomain Rd borders the south side. 22 Mile Rd accesses the west side. A two track connects 22 Mile with Gogomain Rd. The north and east sides have no access.

Survey Needs: None at this time.

Recreational Facilities and Opportunities: The snowmobile trail goes through but no facilities exist. Hunting is a primary activity also.

Fire Protection: Good access to the south and west parts. Limited access to the north and east through private property. Water sources are scarce but can be found a few miles away in the surrounding areas.

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

LAKE SUPERIOR STATE FOREST

SAULT STE. MARIE MGT. UNIT

CHIPPEWA COUNTY

COMPARTMENT: 57

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150-159	All Aged	Total
Aspen		15	70				77		28										190
Bog or Marsh	5																		5
Cedar														321					321
Grass	14																		14
LowInd Brush	117																		117
LowInd Poplr			37	59					128	108									332
Marsh	154																		154
Mx Swmp Cnfr					120				40			39							199
Oak								19											19
Red Pine						42													42
Spruce Fir								6											6
Swamp Hrdwds								4		74	19	59						4	160
Upland Brush							2			2									4
Upland Hdwds																		274	274
Total	290	15	107	59	120	42	79	29	196	184	19	98		321				278	1837

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

LAKE SUPERIOR STATE FOREST

SAULT STE. MARIE MGT. UNIT

CHIPPEWA COUNTY

COMPARTMENT: 57

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	190																										190
V Bog or Marsh			5																								5
C Cedar				321																							321
G Grass					14																						14
L LowInd Brush									117																		117
P LowInd Poplr										332																	332
N Marsh											154																154
Q Mx Swmp Cnfr												199															199
O Oak														19													19
R Red Pine																42											42
F Spruce Fir																			6								6
E Swamp Hrdwds																				160							160
U Upland Brush																								4			4
M Upland Hdwds																									274		274
Total	190		5	321	14				117	332	154	199		19		42			6	160				4	274		1837

LAKE SUPERIOR STATE FOREST

SAULT STE. MARIE MGT. UNIT

CHIPPEWA COUNTY

COMPARTMENT: **57**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	10647 Cds	Hardwood	2720 Cds
Hardwood	929 Mbf	Hardwood	303 Mbf
Softwood	7290 Cds	Softwood	627 Cds
Softwood	1102 Mbf	Softwood	84 Mbf
Sum TotVol	21999 Cds	Sum CutVol	4121 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	328
1837			

SAULT STE. MARIE MGT. UNIT

Proposed Treatments
With NO Limiting Factors

Compartment: 57

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
2	N0	105			marsh	nonstocked		0	opening maintenance		
comnts Fmd : BURN SOON TO KILL BRUSH ON EDGES, BORDERS MUNUSCONG BAY IMPOUNDMENT AREA.											
6	A6	77	50	70	aspen (upland)	high risk	final harvest	2			
comnts Fmd : STAND COULD EASILY BE ACCESSED FROM THE WEST IF PRIVATE LAND OWNERS ALLOW. RESERVE CEDAR, OLD SI USED, REGENERATION WILL HAVE A COMPONENT OF BASAM FIR AND BALM, ALONG WITH THE CEDAR.											
10	N0	49		25	marsh	nonstocked		0	opening maintenance		
comnts Fmd : BORDERS MUNUSCONG BAY, BURN IF NEEDED.											
14	E6	59	99	52	swamp hardwoods	immature	shelterwood-seed	3			
comnts Fmd : RESERVE HEMLOCK, CEDAR, AND YELLOW BIRCH. REGENERATION OF PRESENT SPECIES EXPECTED.											
15	R6	17	43	62	red pine	immature	thinning	2		prescribed for fdf treatment	
comnts Fmd : FDF, BUT NOT TOO IMPRESSIVE, MAY START TO CONVERT TO HDWDS WITH TREATMENT, THIN AGAIN TO 120 BA, THEN TREAT WITH 24 AND 27 IN THE FUTURE.											
18	P6	56	77	54	balsam poplar & swamp aspen and swamp white birch	mature	final harvest	3			
comnts Fmd : COMBINED 2 OLD STANDS (C TYPE & P TYPE) SCATTERED MISC SPECIES AND SOME BIG CEDAR. A FEW VERY POOR LOCATIONS W/ TERRIBLE TIMBER -WET-. REGENERATION OF PRESENT SPECIES IS EXPECTED IN THE DRYER AREAS.											
25	M6	119		59	northern hardwood	immature	selection	2			
comnts Fmd : MAJORITY OF REGEN IS POOR. STAND IS PRIMARILY SUGAR MAPLE 99= YELLOW BIRCH, ASH, OAK, and BEECH											
403	G0	1			grass	nonstocked		0	opening maintenance		
comnts Fmd : INCLUDE WITH STAND 25											
405	G0	1			grass	nonstocked		0	opening maintenance		
comnts Fmd : FILLING IN WITH SURROUNDING TYPES, WAS PART OF 406 & 407, INCLUDE WITH STAND 25.											
406	G0	1			grass	nonstocked		0	opening maintenance		
comnts Fmd : FILLING IN WITH SURROUNDING TYPES, WAS PART OF 407 & 405, INCLUDE WITH STAND 25.											
407	G0	1			grass	nonstocked		0	opening maintenance		
comnts Fmd : FILLING IN WITH SURROUNDING TYPES WAS PART OF 406 & 405, INCLUDE WITH STAND 25.											
Total Acres.....		486									

**Proposed Treatments
With Limiting Factors**

Compartment: 57

Entry Year: 2007

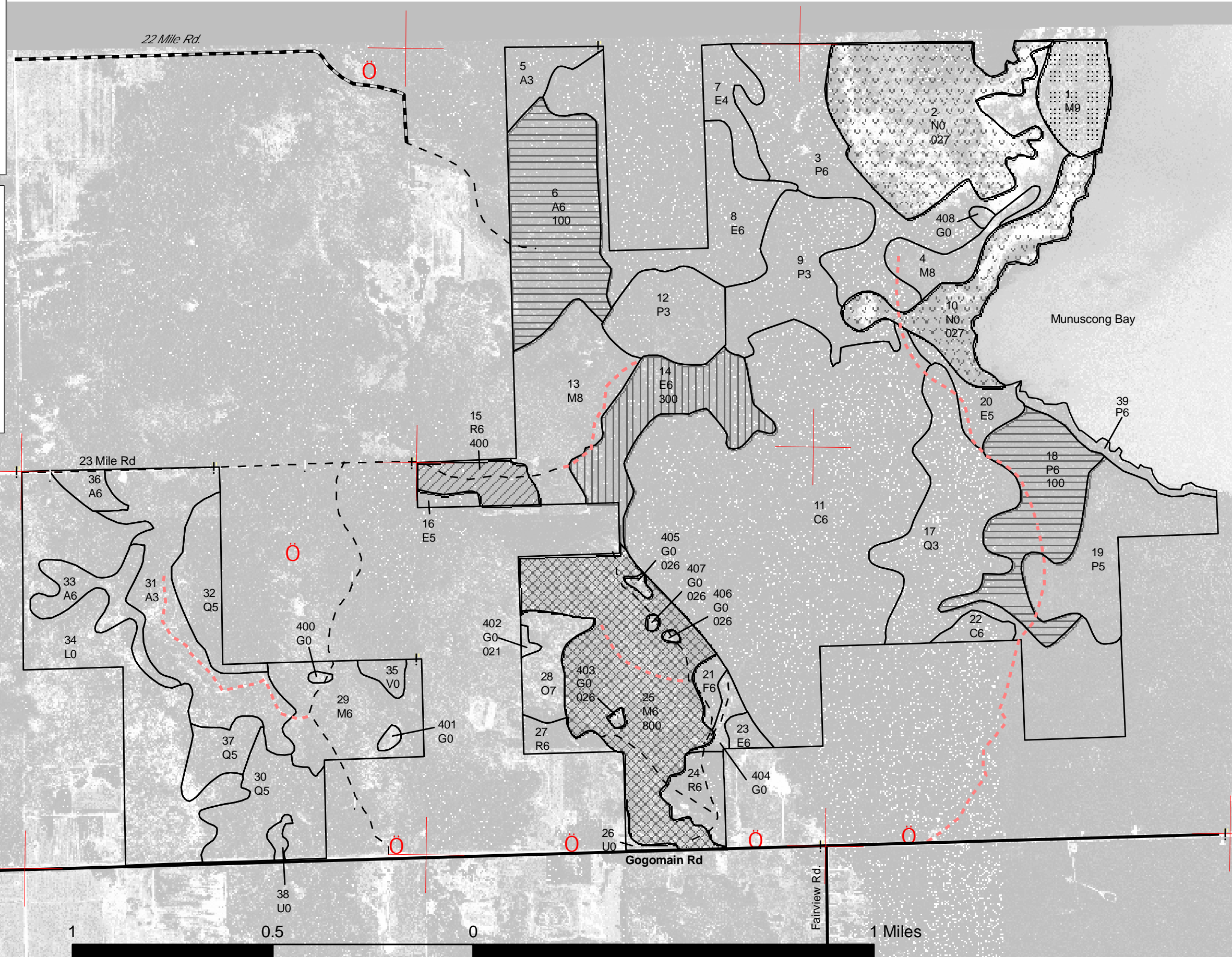
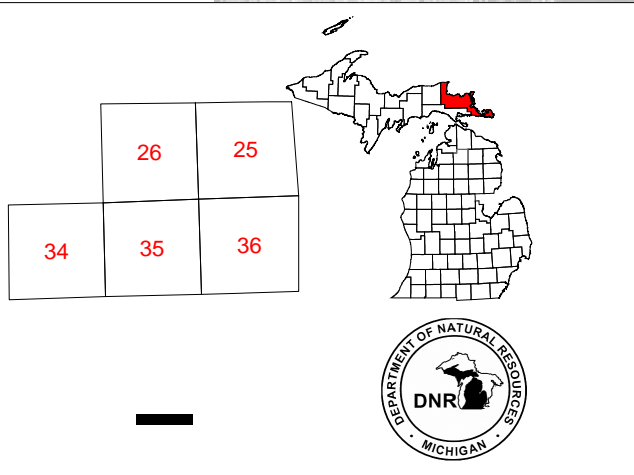
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

Compartment 57
 T44N, R1E, Sec. 25, 26, 34-36
 County: Chippewa
 Unit: Sault Ste. Marie
 YOE: 2007
 Acres: 1,837 GIS Calculated
 Stand Examiner: Lucas Merrick
 Map Revised: 9/27/2005
 Map Phase: Pre-review

Field Map



Legend

- ! RLS Corners
- Miris Corners
- Paved Roads
- Gravel Roads
- - Poor Dirt Roads
- - - Closed Roads
- Cabins
- Snowmobile Trails
- Stand Boundary
- Biodiversity/Old growth
- 026 - Opening Maintenance
- 027 - Opening Maintenance/Prescribed Burning
- 100 - Final Harvest
- 300 - Shelterwood-seed
- 400 - Thinning
- 800 - Selection

Name Paved Roads
Name Gravel Roads
Name Poor Dirt Roads
Name Water Features

