



**SAULT FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 13 ENTRY YEAR: 2008

Compartment Acreage: 1612 County: Chippewa

Revision Date: October 5, 2006

Stand Examiner: Jeffery Wise

Legal Description: T41N R5E, Sections 4, 9, 10, 11, 12, 13, 14, 15

Management Goals: Historically, this compartment is primarily deer yard and is managed as such. Limited treatments may occur in the mature aspen stands that are not receiving much deer yard influence, thus regeneration and sustainability should be maximized. Most of the compartment consists of mature and immature cedar stands with an aspen component. Much of the compartment has very old cedar stands with mature white and red pine which sets the criteria for potential old growth and biodiversity.

Soil and Topography: Shelter-Posen-Summerville: deep and shallow, level to steep poorly drained and well drained, loamy soils on ground moraines and glacial lake benches. Topography is gently rolling to flat with lower wet areas. Potagannissing-Rock outcrop-Summerville: Exposed limestone bedrock and shallow, level to steep, poorly drained and well drained, loamy soils on ground moraines and glacial lake benches in the north part of the compartment. Shelter-Posen-Summerville: similar to above but a deeper soil in the south part of the compartment.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment is two blocks separated and surrounded by private land, mostly summer homes. Some hunting camps on the private parcels within and surrounding the compartment. Land use is hunting, snowmobile trail riding, and wildlife management. Drummond Dolomite owns and quarries land to the north.

Unique, Natural Features: Less than one mile of Great lakes shoreline on Huron Bay, primarily deer yard. Borders several inland lakes. Has the potential for certain T & E species. See the MNFI website for details.

Archeological, Historical, and Cultural Features: None known.

Special Management Designations or Considerations: Deer yard compartment. This compartment is nominated as an SCA, Special Conservation Area due to Forest Certification requirements, therefore most stand are coded SC8.

Watershed and Fisheries Considerations: This compartment contains part of Baileys Lake and some Lake Huron coastline. We do not have any Fisheries data on Baileys Lake. A small buffer zone should be left next to the lake to provide large woody debris recruitment. Prescribed activities are appropriate for protection of this lake.

Wildlife Habitat Considerations: This compartment lies in southern portion of Drummond Island and is in the St. Ignace ecological sub-subsection of the Northern Lacustrine-Influenced Upper Michigan and Wisconsin Section. The majority of the compartment is within the historic deer yard which supports high numbers of deer during stressful winter periods. The vegetation in the compartment is primarily cedar swamp with a few scattered aspen stands along the east side. The presettlement vegetation appears to be consistent with vegetation patterns of today with much of the area dominated by swamp conifers such as cedar, tamarack, fir and spruce.

Managed stands within the compartment will retain all cedar and conifer canopies to preserve wildlife values and thermal cover properties of the stands. All timber management will occur during winter months when deer will benefit most from the fallen tops. Wildlife species potentially using this compartment include white-tailed deer, bear, ruffed grouse, snowshoe hare, gray wolves, coyotes, and fox.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of peat and muck and thin to discontinuous glacial deposits over bedrock. The glacial drift thickness varies between 10 and 50 feet. The Silurian Engadine Group subcrops below the glacial drift. The Engadine is quarried for stone/dolomite on the north border of the Compartment. Gravel pits are not known in the area and potential is unknown. There is no current economic oil and gas production in the UP.

Vehicle Access: Cream City Point Rd bisects the west block and Kilstrom Rd bisects the east block. One narrow two track to Helen's Lake.

Survey Needs: None this YOE.

Recreational Facilities and Opportunities: The snowmobile trail goes through but no facilities exist. Hunting is a primary activity also. No ORV trails. There are many camps and summer homes in the area.

Fire Protection: Vehicle access is good and water sources are sufficient. Structure protection would be a concern for the camps and summer homes on private land.

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: 13

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not	STAND AGE CLASS																Total	
	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
Aspen				4							77	38							119
Cedar									16	46	117	210	218		174	94	93	253	1221
Grass	7																		7
LowInd Brush	8																		8
LowInd Poplr						4													4
Marsh	33																		33
Mx Swmp Cnfr									44										44
Paper Birch											4							5	9
Swamp Hrdwds																		17	17
Upland Hdwds																		20	20
Water	130																		130
Total	178			4		4			60	46	198	248	218		174	94	93	295	1612

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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: 13

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	119																										119
C Cedar				1221																							1221
G Grass					7																						7
L Lowlnd Brush									8																		8
P Lowlnd Poplr										4																	4
N Marsh											33																33
Q Mx Swmp Cnfr												44															44
B Paper Birch															9												9
E Swamp Hrdwds																				17							17
M Upland Hdwds																								20		20	
Z Water																									130	130	
Total	119			1221	7				8	4	33	44			9					17				20	130	1612	

LAKE SUPERIOR STATE FOREST

SAULT STE. MARIE MGT. UNIT

CHIPPEWA COUNTY

COMPARTMENT: **13**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	10740 Cds	Hardwood	669 Cds
Hardwood	1169 Mbf	Hardwood	297 Mbf
Softwood	11549 Cds	Softwood	465 Cds
Softwood	2518 Mbf	Softwood	43 Mbf
Sum TotVol	29663 Cds	Sum CutVol	1814 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	84
1612			

SAULT STE. MARIE MGT. UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 13

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
5	A6	28	88	62	aspen (upland)	mature	final harvest	2		
comnts Fmd : Overmature Aspen but hanging in there, mix of Big Tooth & Quaking, some W. Pine w/scattered R. Pine, reserve if treated, stand is in the deer yard but not providing much cover, could and should be treated, Aspen regen in some open areas.										
10	M9	8		58	northern hardwood	unevenaged	selection	2		
comnts Fmd : Mature stand but low quality, probably not cut for many years, should be treated, lots of Sugar Maple seedlings and Striped Maple saplings, scattered W. Pine and Oak, reserve if treated, 99-1 is R. Maple and W.Birch, stand is in the deer yard so treatment might hinder maple regen for a while maintaining its low quality, manage with 5.										
16	B6	4	95	58	paper birch	mature	final harvest	2		
comnts Fmd : Was part of stand 12 but actually a Sugar Maple and W. Birch knob, needs treatment with 12, leave Cedar, ground cover has poison ivy, some W. Birch dieing but some nice logs also, beavers on Bailey's Lake are claiming a lot of mature Aspen.										
Total Acres.....		40								

SAULT STE. MARIE MGT. UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 13

Entry Year: 2008

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
12	A6	44	95	58	aspen (upland)	mature	final harvest	2		

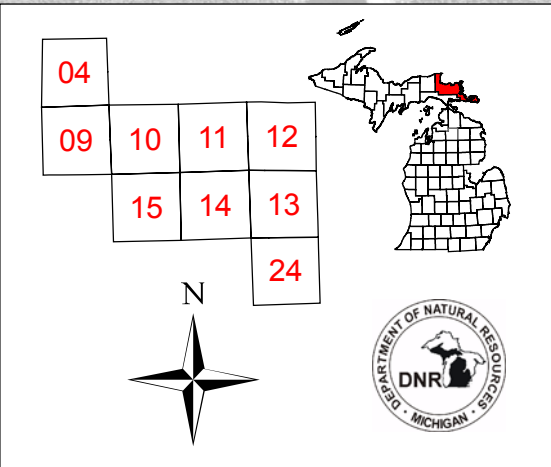
TREATMENT LIMITING FACTORS: Land survey needed

comnts Fmd : Treatment period 0 last time around, very mature and not providing much deer cover, mostly open understory, without much Cedar, could and should be treated, scattered R. and W. Pine, reserve along with Cedar if treated, may need a survey, manage with 5 and 10.

Total Acres..... 44

Field Map

Compartment 13
 T41N, R05E, Sec. 4, 9, 10-15, 24
 County: Chippewa
 Unit: Sault Ste. Marie
 YOE: 2008
 Acres: 1,612 GIS Calculated
 Stand Examiner: Jason Caron
 Map Revised: 10/02/2006
 Map Phase: Pre-review



- Legend**
- Miris Corners
 - County Gravel Roads
 - Gravel Roads
 - Trails
 - Snowmobile Trails
 - Stand Boundary
 - Biodiversity/Old Growth Area
 - 100 - Final Harvest
 - 800 - Selection

