



**SAULT FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT 24**

**ENTRY YEAR: 2008**

**Compartment Acreage: 2585**

**County: Chippewa-Mackinac**

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**Revision Date:** October 5, 2006

**Stand Examiner:** Jason Caron

**Legal Description:** T42N R1E, Sections 25, 36  
T42N R2E, Sections 28, 29, 30, 31, 32

**Management Goals:** To develop an optimal age class distribution of aspen and white birch stands for sustainable forestry and wildlife values. 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. To provide reasonable public access for multiple use recreation such as hunting, trail riding, camping, and hiking, while protecting the natural resources. Cedar stands will be maintained from deer yard areas.

**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.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** One private parcel in the interior of the compartment, otherwise a large block of State land. No developments. Michigan Limestone quarry land to the west but remains undeveloped. Primarily used for hunting, trail riding, and timber and wildlife management. The large amount of State land maintains landscape level management.

**Unique, Natural Features:** Some deer yard areas in the southern part.

**Archeological, Historical, and Cultural Features:** None known.

**Special Management Designations or Considerations:** Some areas of deer yard in the cedar but otherwise regular treatments, no special coding as yet other than deer yard influence and TP9.

**Watershed and Fisheries Considerations:** This compartment contains Beavertail Creek and Prentiss Bay. Beavertail Creek, although not a designated trout stream, does support trout. A buffer of approximately 150 feet is appropriate for protection of this stream. The buffer will provide large woody debris recruitment, shade, and erosion control.

**Wildlife Habitat Considerations:** This compartment lies along the Lake Huron shore and in the St. Ignace ecological sub-subsection of the Northern Lacustrine-Influenced Upper Michigan and Wisconsin Section. The entire compartment lies within historic deer yard which supports high numbers of deer during stressful winter periods. The compartment is relatively diverse with hardwood, fir, cedar, aspen and lowland aspen stands with a few small openings and lowland areas scattered throughout.

Cedar is being retained compartment wide in all managed stands and conifer canopies will not be disturbed to preserve wildlife values and thermal cover properties of the stands. Timber harvests will occur during winter or as close as possible to winter to benefit wintering deer. Maintaining structural and species diversity as much as possible in harvested stands will help achieve wildlife objectives in this compartment. Examples include retaining hard mast species such as oak and a component of soft mast and soft snag species in harvested stands. Forested corridors should be plentiful and facilitate ease of movement between upland and lowland areas. Buffer zones along streams will be sustained to preserve travel corridors and wetland wildlife values and habitats. Wildlife species potentially using this compartment include white-tailed deer, bear, ruffed grouse, snowshoe hare, gray wolves, coyotes, fisher, marten, otter, and mink.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of thin to discontinuous till over bedrock and minor peat & muck. 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 three miles to the northwest. A gravel pit is located one mile to the north and there may be some potential. There is no current economic oil and gas production in the UP.

**Vehicle Access:** Prentiss Bay Rd bisects the compartment. One unnamed two track runs east-west and intersects with Prentiss Bay and South Springer Rd to the east and is a snow trail in winter. Some new spur roads may be needed for management but will be closed to the public.

**Survey Needs:** Center of Section 25 but low priority.

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

**Fire Protection:** Vehicle access is fair and water sources are sufficient. Structure protection would be a concern on the south side.

#### **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: 24

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					114		3	340			11								468
Cedar					26			63		335		104	69					69	666
Grass	13																		13
LowInd Brush	46				97														143
LowInd Poplr								5	13										18
Marsh	108																		108
Mx Swmp Cnfr												24							24
Paper Birch								51	44	35									130
Spruce Fir		62	50		39			107			122								380
Upland Hdwds																		611	611
Water	24																		24
<b>Total</b>	<b>191</b>	<b>62</b>	<b>50</b>		<b>276</b>		<b>3</b>	<b>566</b>	<b>57</b>	<b>370</b>	<b>133</b>	<b>128</b>	<b>69</b>					<b>680</b>	<b>2585</b>

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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: 24

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	468																										468
C Cedar				666																							666
G Grass					13																						13
L Lowlnd Brush									143																		143
P Lowlnd Poplr										18																	18
N Marsh											108																108
Q Mx Swmp Cnfr												24															24
B Paper Birch															130												130
F Spruce Fir																				380							380
M Upland Hdwds																								611			611
Z Water																									24		24
<b>Total</b>	<b>468</b>			<b>666</b>	<b>13</b>				<b>143</b>	<b>18</b>	<b>108</b>	<b>24</b>			<b>130</b>				<b>380</b>					<b>611</b>	<b>24</b>	<b>2585</b>	

LAKE SUPERIOR STATE FOREST

SAULT STE. MARIE MGT. UNIT

CHIPPEWA COUNTY

COMPARTMENT: **24**

**Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	16391 Cds	Hardwood	4346 Cds
Hardwood	738 Mbf	Softwood	782 Cds
Softwood	10968 Cds	Softwood	25 Mbf
Softwood	1690 Mbf	Sum CutVol	5178 Cds
Sum TotVol	32215 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	366
2585			

**SAULT STE. MARIE MGT. UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 24**

**Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>9</b>	<b>B6</b>	35	82	55	paper birch	mature	final harvest	2		
comnts Fmd : Old White Birch but still in good condition, reserve Oak, and any Yellow Birch, Pine, Hemlock, and Cedar, regeneration of present species is acceptable, 98 is Spruce and Balsam. Snow trail through stand so try to treat in summer to avoid snow traffic hazzards on this narrow, winding road.										
<b>20</b>	<b>B6</b>	44	68	50	paper birch	mature	final harvest	2		
comnts Fmd : Was typed as W but W Pine is only scattered, now is a mix of W Birch, Aspen, and Balsam Fir, 98 is W Pine, W Spruce, and Cedar, reserve Pine, Cedar, Oak, Hemlock, and Y. Birch, regeneration of present species is acceptable. Snow trail through stand so try to treat in summer to avoid snow traffic hazzards on this narrow, winding road.										
<b>26</b>	<b>A6</b>	129	66	63	aspen (upland)	mature	final harvest	2		
comnts Fmd : Regeneration of present species is acceptable, reserve Pine, Oak, Hemlock, Cedar, and Y. Birch. Snow Trail through stand, try to treat in summer to avoid snow traffic hazzards on this narrow, winding road.										
<b>29</b>	<b>A5</b>	88	66	46	aspen (upland)	mature	final harvest	2		
comnts Fmd : Aspen overmature, cut soon, 98 is Balsam, Cedar, and W Pine, reserve Pine, Cedar, Oak, Hemlock, and Y. Birch, regeneration of present species is acceptable. Access road is a snow trail so try treated in summer to avoid snow traffic hazzards on this narrow, winding road.										
<b>51</b>	<b>A5</b>	37	66	55	aspen (upland)	mature	final harvest	2		
comnts Fmd : Stand has changed considerably in ten years, west half is a new stand, regeneration of present species is acceptable, reserve Pine, Cedar, Oak, Hemlock, and Y. Birch, 99 is W. Birch, Balm, and Maple. Snow trail through stand so try to treat in summer to avoid snow traffic hazzards on this narrow, winding road.										
<b>Total Acres.....</b>		<b>333</b>								

**SAULT STE. MARIE MGT. UNIT**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 24**

**Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
<b>8</b>	<b>A6</b>	9	66	55	aspen (upland)	mature	final harvest	3		

TREATMENT LIMITING FACTORS: Blocked by other physical obstacle  
Too wet

comnts Fmd : Was the west part of St 10 west of Prentiss Bay Rd, upland Aspen with Birch, including a 4-5 acre hdwd pocket, thin the hdwd when harvesting, reserve any Oak, Yellow Birch, White Pine, Hemlock, and Cedar, regeneration of present species is acceptable, wet access, just leave for now.

<b>44</b>	<b>P6</b>	13	71	52	balsam poplar & swamp aspen and swamp white birch	mature	final harvest	3		
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TREATMENT LIMITING FACTORS: Blocked by other physical obstacle  
Too wet

comnts Fmd : 1997 comments say no access and wet, rocks and drainages make access nearly impossible, reserve Cedar, Hemlock, Oak, Y. Birch, and Pine if ever treated, regeneration of present species acceptable.

<b>48</b>	<b>A6</b>	11	88	43	aspen (upland)	mature	final harvest	3		
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TREATMENT LIMITING FACTORS: Blocked by other physical obstacle

comnts Fmd : Comments say sparse but BA indicates full stocking, may be due to points in pockets of Aspen and Cedar, rocky ground in adjacent stands will make access to this stand nearly impossible, year of origin may indicate that the stand cannot be accessed and has regenerated naturally, reserve Pine, Hemlock, Oak, Cedar, and Y. Birch if ever treated, regeneration of present species acceptable.

**Total Acres..... 33**

