



**SAULT FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 51 ENTRY YEAR: 2007**

**Compartment Acreage: 1718 County: Chippewa**

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**Revision Date:** September 16, 2005

**Stand Examiner:** Lucas Merrick

**Legal Description:** T47N R1W Sec 15, 16, 20, 21, 22, 28, 29

**RMU (if applicable):**

**Management Goals:** With recreation being the primary use of this compartment, successional stages of all stands within the compartment will be allowed to perpetuate naturally for this entry period. Protecting the natural resources will be a priority with the operation of a ski trail and snowmobile trail. Public safety is also a concern and will be taken into consideration.

**Soil and Topography:** Fibre-Allendale-Pickford: deep, level, poorly drained mucky, sandy, and loamy soils on lake plains and the former flood plains of glacial rivers. Topography is ridge and swale complex typical of ancient lowland Great Lakes shoreline.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** This block is surrounded by private land with high population of permanent residences on the North side along 16<sup>th</sup> Ave. The only development is the Algonquin Ski Trail, with parking and restroom facilities on 16th Ave. No treatments are generally performed in this compartment. Land use is trail riding, skiing, and some hunting occurs here also.

**Unique, Natural Features:** Ridge and swale complex.

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

**Special Management Designations or Considerations:** No treatments are planned here due to the high recreation value.

**Watershed and Fisheries Considerations:** There are no fisheries values within this compartment other than the Mosquito Bay shoreline. No treatments are planned this entry period and cover types along the shoreline are not typical of scheduled harvests for timber management objectives.

**Wildlife Habitat Considerations:** This compartment is located within Subsection VIII.1.2 of Landscape Ecosystems of Michigan (Albert 1994). Pre-settlement vegetation on these somewhat poorly drained soils consisted primarily of a hardwood- conifer forest dominated by balsam fir, balsam poplar, hemlock, aspen, white cedar, white pine, black and white spruce. This compartment is presently a mosaic of spruce, lowland conifer, lowland brush, white pine, and aspen/birch.

Ridge/swale topography dominated by low, wet areas, limits the ability to actively manage most of this compartment. Therefore, management will presently consist of allowing natural processes to continue with minimal human caused disturbance planned.

Wildlife species expected to benefit from this treatment include but are not limited to: Ruffed grouse, goshawk, chickadee, Nashville warbler, woodpeckers, snowshoe hare, porcupine, white-tailed deer, bobcat, gray wolf, coyote, hermit thrush and crossbills.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of peat and muck and minor lacustrine (lake) clay, silt, sand and gravel. The glacial drift thickness varies between 50 and 100 feet. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was previously used as a building stone. A pit is located in Section 27, but gravel potential appears to be limited. There is no current economic oil and gas production in the UP.

**Vehicle Access:** The old SOO Line RR, now the Soo-Brimley snowmobile trail, is gated at State boundaries; authorized vehicles only. 16<sup>th</sup> Avenue borders the north side where the Ski Trail is accessed.

**Survey Needs:** None at this time.

**Recreational Facilities and Opportunities:** Algonquin Ski Trail is the primary recreation use. The old Soo Line RR grade is a snowmobile trail and is gated at road access points. Some hunting occurs here also.

**Fire Protection:** Fairly good access through the center of the compartment via the SOO Line RR grade. Water sources are readily available and structure protection would be a concern on all sides of the compartment.

**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: 51

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							261	186											447
Black Spruce							12		19	39									70
Cedar										72									72
Grass	3																		3
Jack Pine							24												24
LowInd Brush	488						92												580
Marsh	214																		214
Mx Swmp Cnfr												23							23
Paper Birch							36	45											81
Swamp Hrdwds								46										33	79
Tamarack				5		17			18										40
White Pine							85												85
Total	705			5		17	510	277	37	111		23						33	1718

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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: 51

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	447																										447
S Black Spruce		70																									70
C Cedar				72																							72
G Grass					3																						3
J Jack Pine							24																				24
L LowInd Brush									580																		580
N Marsh											214																214
Q Mx Swmp Cnfr												23															23
B Paper Birch															81												81
E Swamp Hrdwds																				79							79
T Tamarack																					40						40
W White Pine																									85	85	
Total	447	70		72	3		24		580		214	23			81					79	40					85	1718

LAKE SUPERIOR STATE FOREST

SAULT STE. MARIE MGT. UNIT

CHIPPEWA COUNTY

COMPARTMENT: **51**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	8175 Cds	Hardwood	5693 Cds
Hardwood	184 Mbf	Hardwood	66 Mbf
Softwood	4283 Cds	Softwood	1212 Cds
Softwood	136 Mbf	Softwood	68 Mbf
Sum TotVol	13098 Cds	Sum CutVol	7173 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	415
1718			

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 51**

**Entry Year: 2007**

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<b>Stand</b>	<b>Cover Type</b>	<b>Acres</b>	<b>Age</b>	<b>Site Index</b>	<b>Mgt Obj</b>	<b>Condition</b>	<b>Method Cut</b>	<b>Harvest Priority</b>	<b>Cultural Need</b>	<b>FDF Status</b>
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**Total Acres..... 0**

**SAULT STE. MARIE MGT. UNIT**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 51**

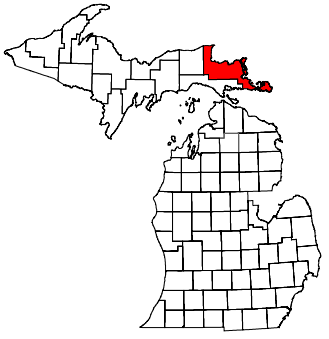
**Entry Year: 2007**

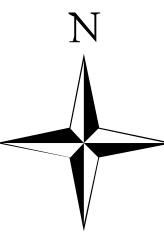

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>2</b>	<b>A6</b>	146	53	50	aspen (upland)	mature	final harvest	3		
TREATMENT LIMITING FACTORS: Recreational site Influence zones Scenic values/visual values										
comnts Fmd : 2004: SCATTERED WOLFY W PINE. POOR UNDERSTORY A FEW HDWDS AND W PINE. STAND HAS A FEW LOW AREAS W/ SPRUCE, FIR, & CEDAR. MAJORITY OF STAND ALTERNATES BETWEEN BIRCH AND ASPEN CLUMPS. NO CUT-SKI TRAIL.										
<b>7</b>	<b>A6</b>	94	53	50	aspen (upland)	mature	final harvest	3		
TREATMENT LIMITING FACTORS: Influence zones Recreational site Scenic values/visual values										
comnts Fmd : LOOKS LIKE STAND 2 BUT HAS BIGGER ASPEN AND A DIFFERENT UNDERSTORY TYPE. NO CUT-SKI TRAIL.										
<b>17</b>	<b>J6</b>	10	55	59	jack pine	mature	final harvest	3		
TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage Recreational site										
comnts Fmd : SMALL STAND - HEALTHY GOOD LOOKING JACK PINE - WILL DECLINE SOON										
<b>18</b>	<b>A6</b>	165	61	52	aspen (upland)	mature	final harvest	3		
TREATMENT LIMITING FACTORS: Too wet Recreational site Influence zones										
comnts Fmd : VARIES FROM AN A6-B6 WITH PINE AND SPRUCE. LOW QUALITY BIRCH. STAND WILL CONVERT TO W PINE. SERIES OF RIDGES AND BOGS, SKI TRAIL- NO CUT.										
<b>Total Acres.....</b>		<b>415</b>								

# Field Map

Compartment 51  
 T47N, R1W, Sec. 15, 16, 20-22, 28, 29  
 County: Chippewa  
 Unit: Sault Ste. Marie  
 YOE: 2007  
 Acres: 1,718 GIS Calculated  
 Stand Examiner: Lucas Merrick  
 Map Revised: 7/26/2005  
 Map Phase: Pre-review

	16	15
20	21	22
29	28	



- Legend**
- ◆ RLS Corners
  - Miris Corners
  - - - Closed Roads
  - - - Trails
  - Railroads
  - · - Pipelines
  - P Parking Lot
  - × Gates
  - Snowmobile Trails
  - Ski Trails
  - Stand Boundary
  - 100 - Final harvest
- Name** Paved Roads

