



**SAULT FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 25**

**ENTRY YEAR: 2008**

**Compartment Acreage: 2196**

**County: Chippewa**

---

**Revision Date:** October 5, 2006

**Stand Examiner:** Jason Caron

**Legal Description:** T42N R2E, Sections 8, 9, 16, 17, 20, 21

**Management Goals:** To develop an optimal age class distribution of aspen 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 and any potential rare plants. 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:** 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 and large rocky openings with boulder fields.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** This compartment is surrounded by private land on all sides except part of the southeast. The area is used primarily for hunting, and timber and wildlife management. Private land bordering the compartment contains several hunting camps, and is primarily used for hunting and timber management as well. This is beneficial for landscape level management on State land. A possible land acquisition may occur adding over 300 acres in Section 21. There is a major power line bisecting the north half of the compartment and has been managed as opening in the past.

**Unique, Natural Features:** Some stands contain boulder fields conducive to Walking fern which is documented in this compartment in Section 17. None of those stands will be treated without a thorough inspection for Walking Fern. Michigan Natural Features Inventory lists several species of plants and animals with potential for occurring in this compartment. See the MNFI website for details. Many springs appear and disappear among the hardwoods on the west side of the compartment. These are checked periodically. Potential for fossils in some of the boulder fields.

**Archeological, Historical, and Cultural Features:** There used to be evidence of an old narrow gauge rail road used as a trail. Condition is unknown at this time.

**Special Management Designations or Considerations:** Inspections for rare plants, including Walking Fern should occur before and during any timber sale prep work.

**Watershed and Fisheries Considerations:** This compartment contains the E Br of Beavertail Creek. Although not a designated trout stream, this river reportedly supports trout. A buffer of approximately 150

feet would be 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 southern portion of the compartment lies within historic deer yard which supports high numbers of deer during stressful winter periods. The compartment is quite diverse with aspen and cedar types dominating, and swamp conifer, hardwood, fir, lowland brush, openings, and swamp aspen stands present throughout.

Forested corridors should be maintained to facilitate ease of movement between upland and lowland areas. Buffer zones along streams should be protected to preserve travel corridors and wetland wildlife values and habitats. Wildlife objectives will be achieved by the retention of hard and soft mast producing trees, wildlife den and nest trees and snags in harvested stands and the preservation of conifer components in aspen stands. White-tailed deer, black bear, snowshoe hare, gray wolf, mink, fisher and marten are noteworthy wildlife species using this compartment.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of thin to discontinuous till over bedrock and 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 west. A gravel pit is located one mile to the west and there may be some potential on the uplands. There is no current economic oil and gas production in the UP.

**Vehicle Access:** Prentiss Bay Rd borders the west side. An unnamed two track bisects the compartment with State gates limiting public vehicle access to the north part of the compartment from Taynor Rd. The public can access the two track off Prentiss Bay Rd. No new roads needed for management.

**Survey Needs:** South ½ Section 8, and south ½ Section 9.

**Recreational Facilities and Opportunities:** No facilities. ORV trails run throughout the compartment. No snow trails. Hunting is a primary activity.

**Fire Protection:** Vehicle access is good to fair and water sources are scarce. Structure protection would be a concern on the west and east side. One beaver pond occurs in the north half of the compartment with a good road to it.

#### **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**

10/03/2006 9:23:43 AM

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

LAKE SUPERIOR STATE FOREST

SAULT STE. MARIE MGT. UNIT

CHIPPEWA COUNTY

COMPARTMENT: 25

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		175	323				119	59	103										779
Black Spruce										2									2
Cedar									57	111	162				26				356
Grass	188																		188
LowInd Brush	136								34										170
LowInd Poplr									79										79
Marsh	48																		48
Mx Swmp Cnfr					30				151										181
Non Stocked	8																		8
Paper Birch		8							44										52
Spruce Fir								54	23										77
Upland Hdwds								15	14									192	221
Water	20																		20
White Pine																		15	15
<b>Total</b>	<b>400</b>	<b>183</b>	<b>323</b>		<b>30</b>		<b>119</b>	<b>128</b>	<b>505</b>	<b>113</b>	<b>162</b>				<b>26</b>			<b>207</b>	<b>2196</b>

10/03/2006 9:23:48 AM

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

LAKE SUPERIOR STATE FOREST

SAULT STE. MARIE MGT. UNIT

CHIPPEWA COUNTY

COMPARTMENT: 25

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	746																							33			779
S Black Spruce		2																									2
C Cedar				356																							356
G Grass					188																						188
L LowInd Brush									170																		170
P LowInd Poplr										79																	79
N Marsh											48																48
Q Mx Swmp Cnfr												181															181
X Non Stocked													8														8
B Paper Birch															52												52
F Spruce Fir																			77								77
M Upland Hdwds																								221			221
Z Water																									20		20
W White Pine																								15			15
<b>Total</b>	<b>746</b>	<b>2</b>		<b>356</b>	<b>188</b>				<b>170</b>	<b>79</b>	<b>48</b>	<b>181</b>	<b>8</b>		<b>52</b>				<b>77</b>					<b>269</b>	<b>20</b>	<b>2196</b>	

LAKE SUPERIOR STATE FOREST

SAULT STE. MARIE MGT. UNIT

CHIPPEWA COUNTY

COMPARTMENT: **25**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	11686 Cds	Hardwood	2919 Cds
Hardwood	233 Mbf	Softwood	846 Cds
Softwood	11766 Cds	Softwood	19 Mbf
Softwood	198 Mbf	Sum CutVol	3803 Cds
Sum TotVol	24314 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	231
2196			

**SAULT STE. MARIE MGT. UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 25**

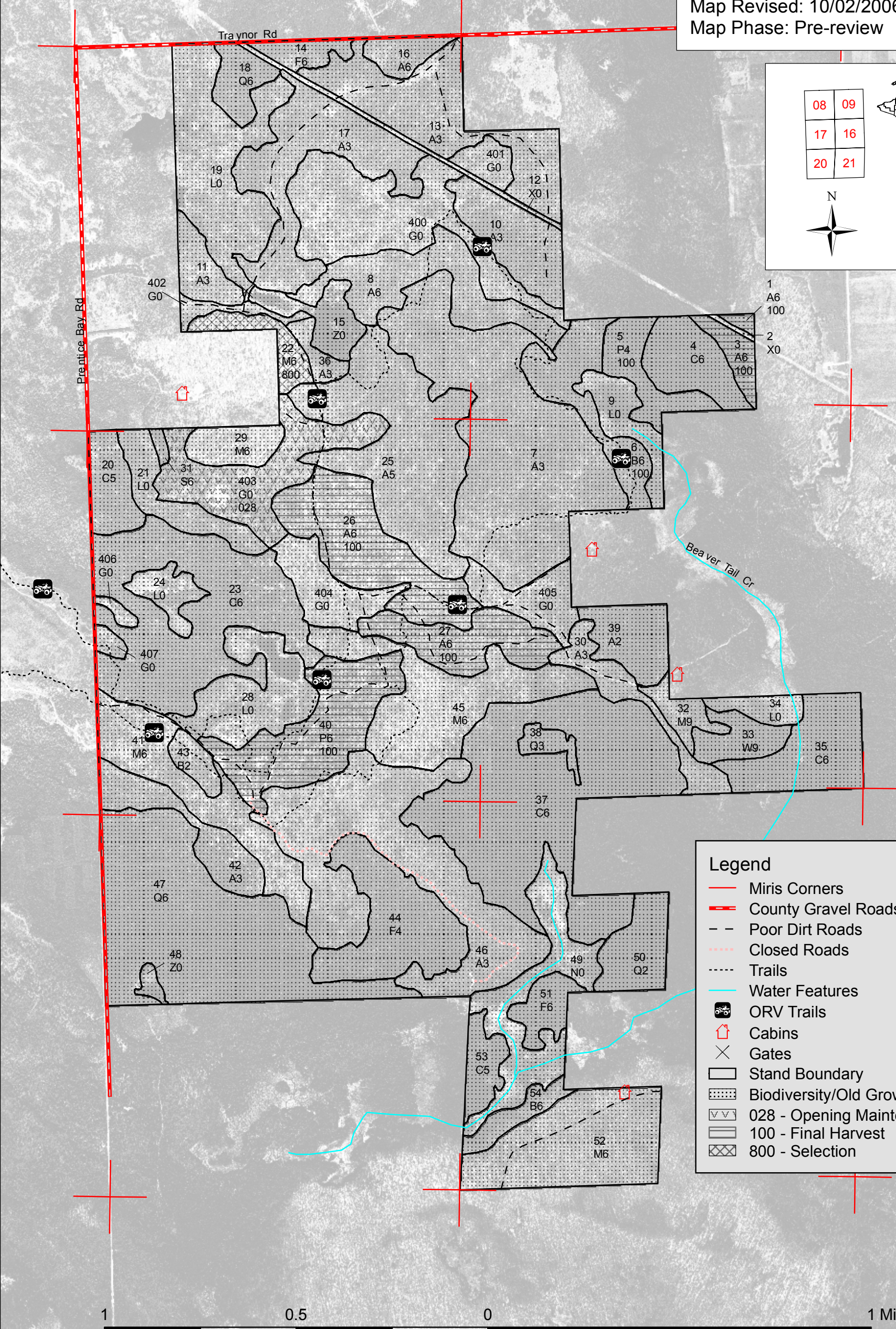
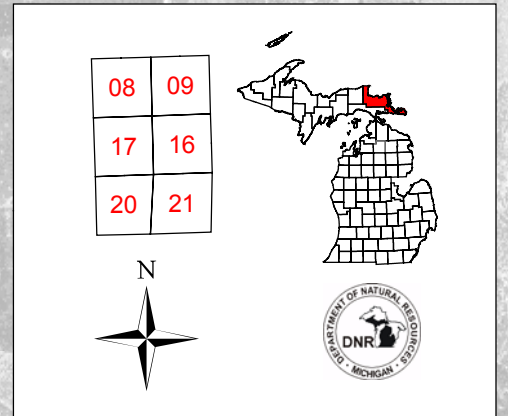
**Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>26</b>	<b>A6</b>	60	72	50	aspen (upland)	mature	final harvest	3		
comnts Fmd : Old comments say too rocky, new comments say it should be managed with 25 or 27, leave out rocky and inoperable areas for wildlife.										
<b>27</b>	<b>A6</b>	33	72	60	northern hardwood	two aged	removal	3		
comnts Fmd : Rocky areas, low BA hdwd poles mixed with large Aspen, cut Aspen and leave Hdwd patches and rocky, inoperable areas for diversity and wildlife.										
<b>40</b>	<b>P6</b>	58	69	50	balsam poplar & swamp aspen and swamp white birch	mature	final harvest	3		
comnts Fmd : New stand , was south part of grass opening (old 23, new 404), SI and year of origin estimated from St 5 data, holding well.										
<b>403</b>	<b>G0</b>	52			grass	nonstocked		0	opening maintenance	
comnts Fmd : Filling in with Aspen regen from adjacent cut, was larger, filling in created two stands - other is 404, could be treated with adjacent forest treatments.										
<b>Total Acres.....</b>		<b>203</b>								

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
1	A6	2	59	61	aspen (upland)	mature	final harvest	3		
TREATMENT LIMITING FACTORS: Land survey needed Road needed (resources not presently available)										
comnts Fmd : 2006-No access, no corners.										
3	A6	10	59	61	aspen (upland)	mature	final harvest	3		
TREATMENT LIMITING FACTORS: Road needed (resources not presently available) Land survey needed										
comnts Fmd : 2006-No access, no corners.										
5	P4	21	69	50	balsam poplar & swamp aspen and swamp white birch	mature	final harvest	3		
TREATMENT LIMITING FACTORS: Land survey needed Delayed treatment for age/size class diversity										
comnts Fmd : Timber thin, ground rocky and low, hold ten years and manage with 6, 99 is Oak and Maple, 98 is Spruce and Balsam										
6	B6	33	74	56	paper birch	mature	final harvest	3		
TREATMENT LIMITING FACTORS: Delayed treatment for age/size class diversity Land survey needed										
comnts Fmd : Timber thin, hold ten years for diversity of age classes of adjacent cc, manage with 5, 99 is mostly Maple, 98 is Spruce and Balsam.										
22	M6	14	69	65	northern hardwood	two aged	selection	3		
TREATMENT LIMITING FACTORS: Land survey needed										
comnts Fmd : Old comment say trespass in NW corner around 93, other than that, good poles with occasional log, good supply of crop trees to release, and Aspen to remove, Leave Oak and Pine, Hemlock, Y. Vbirch and Cedar if any, Leave some Aspen so they won't take over Hardwood, manage with 29, 45, and 32 in the future.										
<b>Total Acres.....</b>		<b>80</b>								

# Field Map

Compartment 25  
 T42N, R02E, Sec. 8, 9, 16, 17, 20, 21  
 County: Chippewa  
 Unit: Sault Ste. Marie  
 YOE: 2008  
 Acres: 2,196 GIS Calculated  
 Stand Examiner: Jason Caron  
 Map Revised: 10/02/2006  
 Map Phase: Pre-review



**Legend**

- Miris Corners
- - - County Gravel Roads
- - - Poor Dirt Roads
- - - Closed Roads
- - - Trails
- Water Features
- ORV Trails
- Cabins
- Gates
- Stand Boundary
- Biodiversity/Old Growth Area
- 028 - Opening Maintenance/Other
- 100 - Final Harvest
- 800 - Selection

