



**TRAVERSE CITY FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 144 ENTRY YEAR: 2007**

**Compartment Acreage: 1922      County: Kalkaska**

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**Stand Examiner:** Dave Johnson

**Legal Description:** T25N- R6W; Sections 22, 23, 24

**Management Goals:** The Pere Marquette State Forest Management Plan Key Designation: Habitat/Vegetative- wildlife intensive). The emphasis is on habitat management.

**Soil and Topography:** The compartment is generally flat with some rolling hills. Soils are mainly Roselawn Sand with patches of Rubican and Grayling Sands.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** No private lands are within this compartment. Small scattering of private around the compartment mainly single family homes and vacation homes. Land use is mainly hunting

**Unique, Natural Features:** None

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

**Special Management Designations or Considerations:** This compartment was one of three compartments in a 75% cut special deer management project. In these compartments 75% of the ¼ townships were clearcut and put into seedling – sapling size classes.

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:** Compartment 144

The majority of the compartment lies on an ice-contact ridge (LTA 3111). Soils are excessively drained loamy sand. The major forest types include aspen, red pine, and jack pine. Non-forested areas consist of cherry shrubland or little bluestem mixed with scattered jack pine. Through the center portion of Sec. 23 lies a finger of a broad outwash plain (LTA 5111). This type of outwash plain is characterized by having excessively drained sandy soils. Within this compartment, a jack pine stand dominates this LTA.

Ruffed grouse use different aged aspen throughout their life cycle. Younger stands provide cover while older stands provide catkins (food source) for the winter months. Clearcutting helps facilitate age class diversification of aspen by mimicking the necessary disturbances vital for regeneration. The creation of CWD trees for drumming logs and maintaining berry-producing shrubs is also desirable. The irregularly shaped cherry shrublands are important to many species of mammals, birds, and reptiles. Examples include red fox, northern flicker, and blue racer. The berries produced in these areas are a valuable food source.

Where needed, openings should be maintained by using handfelling of woody encroachment or prescribed burning.

**Mineral Resource and Development Concerns and/or Restrictions:** Sections 22 - 24, T25N-R6W, Kalkaska County

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum elsewhere in the State. A gravel pit is located three miles to the west, but potential is good. Part of Tiger's Garfield Field is in this Compartment. The Field produces from the Ordovician PdC and may have Devonian Richfield potential. Approximately one-half of the Compartment is currently leased.

**Vehicle Access:** The compartment is generally well roaded. No new roads or closures needed .

**Survey Needs:** None needed.

**Recreational Facilities and Opportunities:** No recreational trails or facilities in this compartment.

**Fire Protection:** DNR Protection is provided by the Kalkaska Field Office. Fire Department protection is from the Garfield Twp. Fire Department. This compartment is in Zone 5, and is a heavy pine area. The potential for large fire is great. Access is good here. Urban Interface is not an issue.

**Additional Compartment Information:** This compartment is leased to the Military (DMA) under the 20 year lease agreement.

**\*\*\*\* Cover type details, proposed treatments and stands designated as FDF are listed in the attached reports:**

**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 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

PERE MARQUETTE STATE FOREST

TRAVERSE CITY FOREST MGT UNIT

KALKASKA COUNTY

COMPARTMENT: 144

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	1220																										1220
G Grass					3																						3
J Jack Pine							275							31													306
N Marsh											8																8
X Non Stocked													18														18
O Oak														90													90
R Red Pine														5	155												160
U Upland Brush																								111			111
W White Pine																										6	6
<b>Total</b>	1220				3		275				8		18	126		155								111		6	1922

PERE MARQUETTE STATE FOREST

TRAVERSE CITY FOREST MGT UNIT

KALKASKA COUNTY

COMPARTMENT: **144**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	6545 Cds	Hardwood	50 Cds
Hardwood	288 Mbf	Hardwood	19 Mbf
Softwood	2778 Cds	Softwood	667 Cds
Softwood	614 Mbf	Softwood	227 Mbf
Sum TotVol	11127 Cds	Sum CutVol	1209 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	164
1922			

**TRAVERSE CITY FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 144**    **Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>4</b>	<b>J5</b>	12	66	55	jack pine	high risk	final harvest	1		
comnts Fmd : stand showing pockets of die-off										
Wld : 2005 SGG: Concur with FMFM.										
<b>7</b>	<b>R6</b>	5	67	45	oak	immature	selection	1		
Wld : 2005 SGG: Concur with FMFM.										
<b>8</b>	<b>U4</b>	30		40	upland brush	sparse		0	opening maintenance	
comnts Fmd : SCATTERED JACK PINE & ASPEN WITHIN U TYPE										
Wld : Stand 8 – 2005 SGG: Burn along with stand 35 and 400 to promote existing native herbaceous vegetation. Little bluestem, poverty grass, blueberry, rough blazing star, cladonia. Possibly hand fell some woody vegetation to facilitate burn.										
<b>14</b>	<b>U4</b>	12	28	48	upland brush	sparse		0	opening maintenance	
Wld : Stand 14 – 2005 SGG: Hand fell encroaching pine to maintain semi-open habitat.										
<b>17</b>	<b>R9</b>	9	77	65	red pine	mature	selection	1		
comnts Fmd : selection needed to encourage pine regen. Leave mature look of stand for visual mgt along Fletcher Rd.										
Wld : 2005 SGG: Concur with FMFM.										
<b>27</b>	<b>R9</b>	107	67	65	red pine	immature	selection	1		
comnts Fmd : MAY WANT TO THIN RED PINE IN AREAS ALSO. Sale #82-97. 2005 - stands shows signs of natural rp regen - selection needed to open up stand.										
Wld : 2005 SGG: Concur with FMFM.										
<b>31</b>	<b>J5</b>	31	55	40	oak	high risk	final harvest	1		
comnts Fmd : understory J1 O1. Leave scattered Oaks										
Wld : 2005 SGG: Concur with FMFM.										
<b>35</b>	<b>U4</b>	10		40	upland brush	sparse		0	opening maintenance	
comnts Fmd : SCATTERED JACK PINE & ASPEN WITHIN U TYPE										
Wld : Stand 35 – 2005 SGG: Burn along with stand 8 and 400 to promote existing native herbaceous vegetation. Little bluestem, poverty grass, blueberry, rough blazing star, cladonia. Possibly hand fell some woody vegetation to facilitate burn.										
<b>400</b>	<b>G0</b>	3		40	grass	nonstocked		0	opening maintenance	
Wld : Stand 400 – 2005 SGG: Burn to promote existing little bluestem and other native herbaceous vegetation.										

**Total Acres..... 219**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 144**    **Entry Year: 2007**

<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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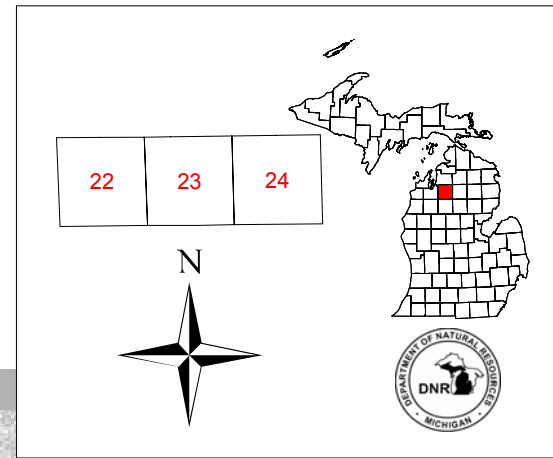
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TREATMENT LIMITING FACTORS:

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**Total Acres..... 0**

Compartment 144  
 T25N, R6W, Sec. 22-24  
 County: Kalkaska  
 Unit: Traverse City  
 YOE: 2007  
 Acres: 1,922 GIS Calculated  
 Stand Examiner: Dave Johnson  
 Map Revised: 11/23/2005  
 Map Phase: Pre-review



# Field Map

**Legend**

- Miris Corners
- Paved Roads
- - - Poor Dirt Roads
- ..... Trails
- Stand Boundary
- ▧ 021 - Opening Maintenance/Hand Tools
- ▨ 027 - Opening Maintenance/Prescribed Burning
- ▩ 100 - Final Harvest
- ▤ 800 - Selection

**Name** Public Paved Roads  
**Name** Public Dirt Roads

