



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

**COMPARTMENT # 169 ENTRY YEAR: 2008**

**Compartment Acreage: 2285      County: Kalkaska**

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**Stand Examiner:** Donna Hagan

**Legal Description:** T27N, R06W, Sec. 6,7; T27N, R07W, Sec. 1,12; T28N, R06W, Sec. 30,31;  
T28N, R07W, Sec. 25,26

**Management Goals:** Maintain age class diversity.

**Soil and Topography:** Ranges from Rifle Peat to Emmet Sands. Topography ranges from low wet to gentle rolling hills.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:**

To the West and North is State Land and to the South and East is private property. Hunting is the major land use. Several wells are in this compartment.

**Unique, Natural Features (include only non-site specific and non-sensitive information):**

Red Shouldered Hawk sighting in 2004 in area of compartment. Wheeler Lake, Little Wheeler Lake, The Headwaters of the Boardman River, the North Branch of the Boardman River and the Mayham Swamp are all located in the compartment.

**Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):** None listed.

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:** This compartment contains a variety of unique and critical watershed components as described in the **Unique, Natural Features** section. Therefore, please conform to all the BMPs listed in the Water Quality Management Practices on Forest Land (1994) handbook. In addition, do not harvest any trees in riparian areas that have the potential to provide woody debris to lakes or streams within this compartment.

**Wildlife Habitat Considerations:**

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and an end moraine of coarse-textured till. The glacial drift thickness varies between 400 and 800 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. The Coldwater does not have an economic use. The nearest gravel pit is located two miles to the east and potential is good on the uplands. This area is located in the Niagaran reef trend with many producing wells. Underground Gas Storage (UGS) operations are also located in the Compartment. The Antrim Shale gas play may be too deep to produce in this area. Most of the Compartment is currently leased for oil and gas development and some for UGS.

**Vehicle Access:** Lots of vehicle access. Old logging roads being kept open by locals. The many oil wells provides lots of access also.

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

**Recreational Facilities and Opportunities:** The Leetsville Cycle Trail goes through the western side of the compartment. The MCCCT trail runs through the north-central part of the compartment and one section is trespassing on private property in the SWSE of section 25. The MI Riding and Hiking Trail crosses the compartment East-West along Rabourn Road.

**Fire Protection:**

**Additional Compartment Information:**

**\*\*\*\* 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: 169

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		88	148		201	59	20	22											538
Bog or Marsh	7																		7
Cedar									140	19									159
Grass	70																		70
Jack Pine						39													39
Lowlnd Brush	185																		185
Mx Swmp Cnfr							108		91	54									253
Non Stocked	7																		7
Red Pine			6			17													23
Spruce Fir							69												69
Swamp Hrdwds				5			3	4	4										16
Tamarack						8													8
Upland Brush	139																		139
Upland Hdwds				29	12	37	27	5	14									510	634
Water	83																		83
White Pine							30	25											55
Total	491	88	154	34	213	160	257	56	249	73								510	2285

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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: 169

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	534																							4			538
V Bog or Marsh			7																								7
C Cedar				159																							159
G Grass					70																						70
J Jack Pine							39																				39
L LowInd Brush									185																		185
Q Mx Swmp Cnfr												253															253
X Non Stocked													7														7
R Red Pine																23											23
F Spruce Fir																				69							69
E Swamp Hrdwds																					16						16
T Tamarack																						8					8
U Upland Brush														16										123			139
M Upland Hdwds																								634			634
Z Water																									83		83
W White Pine																										55	55
<b>Total</b>	<b>534</b>		<b>7</b>	<b>159</b>	<b>70</b>		<b>39</b>		<b>185</b>			<b>253</b>	<b>7</b>	<b>16</b>		<b>23</b>			<b>69</b>	<b>16</b>	<b>8</b>		<b>123</b>	<b>638</b>	<b>83</b>	<b>55</b>	<b>2285</b>

PERE MARQUETTE STATE FOREST

TRAVERSE CITY FOREST MGT UNIT

KALKASKA COUNTY

COMPARTMENT: 169

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	13254 Cds	Hardwood	2281 Cds
Hardwood	2134 Mbf	Hardwood	438 Mbf
Softwood	6575 Cds	Softwood	164 Cds
Softwood	288 Mbf	Sum CutVol	3321 Cds
Sum TotVol	24673 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	448
2285			

**TRAVERSE CITY FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 169**    **Entry Year: 2008**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
<b>43</b>	<b>A6</b>	32	46	56	aspen (upland)	mature	final harvest	1	natural regeneration		
<b>60</b>	<b>M6</b>	15		59	northern hardwood	unevenaged	selection	2			
comnts Fmd : Variable stand. BA's ranged from 180 to 70. Would recommend thinning.											
<b>63</b>	<b>R6</b>	6	44	58	red pine	immature	thinning	2			
comnts Fmd : No ground cover to speak of. Occasional s. maple or cherry for understory.											
<b>64</b>	<b>R6</b>	11	44	58	red pine	immature	thinning	2			
comnts Fmd : No ground cover to speak of. Barely any understory.											
<b>66</b>	<b>A6</b>	4	63	61	northern hardwood	mature	delayed removal	1			
comnts Fmd : Along Farrar Lake and Wood Road. Turning into a hardwood stand. Just take aspen out.											
<b>78</b>	<b>M6</b>	211		59	northern hardwood	unevenaged	selection	2			
comnts Fmd : Variable stand. BA's ranged from 180 to 70. Would recommend thinning.											
<b>79</b>	<b>A6</b>	12	63	53	aspen (upland)	mature	final harvest	1	natural regeneration		
<b>86</b>	<b>A6</b>	6	63	53	aspen (upland)	mature	final harvest	1	natural regeneration		
comnts Fmd : South of Little Wheeler Lake.											
<b>100</b>	<b>M9</b>	14	70	65	northern hardwood	immature	selection	2			
comnts Fmd : Very little ground cover. Sale #48-88.											
<b>101</b>	<b>M9</b>	64		65	northern hardwood	unevenaged	selection	2			
comnts Fmd : Lots of sweet cicilly and leeks. Other than that very little ground cover. BA's range from 30 to 140. Would recommend thinning.											
<b>111</b>	<b>M6</b>	73		60	northern hardwood	unevenaged	selection	2			
comnts Fmd : 2006 - This stand is 95% void of any groundcover. What groundcover there is was leeks. Also 95 % void of any saplings <20 feet tall. Scattered large aspen present, would recommend leaving. Was scheduled for treatment last time but did not get treated.											
<b>Total Acres.....</b>		<b>448</b>									

**Proposed Treatments  
With Limiting Factors**

**Compartment: 169**    **Entry Year: 2008**

<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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TREATMENT LIMITING FACTORS:

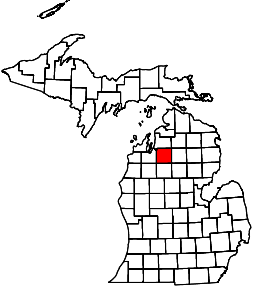
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**Total Acres..... 0**

# Field Map

Compartment 169  
 T27N, R06W, Sec. 7  
 T27N, R07W, Sec. 1, 12  
 T28N, R06W, Sec. 30, 31  
 T28N, R07W, Sec. 25, 36  
 County: Kalkaska  
 Unit: Traverse City  
 YOE: 2008  
 Acres: 2,285 GIS Calculated  
 Stand Examiner: Donna Hagan  
 Map Revised: 10/09/2006  
 Map Phase: Pre-review

25	30
36	31
01	
12	07



## Legend

- RIs Corners
- Miris Corners
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Pipelines
- Trails
- Water Features
- ORV Trails
- MCCCT Trails
- Stand Boundary
- 100 - Final Harvest
- 148 - Final Harvest/Natural Regeneration/Other
- 400 - Thinning
- 600 - Delayed Removal
- 800 - Selection

