



**GRAYLING FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW RESENTATION**

**COMPARTMENT # 63 ENTRY YEAR: 2007**

**GIS Compartment Acreage: 1102 County: Alcona**

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**Revision Date:** August 30, 2005

**Stand Examiner:** Joan Charlebois

**Legal Description:** T28N R9E Sections 4 & 5; T27N R7E Sections 2, 3 & 10

**Management Goals:** To maintain forest health, productivity, sustainability, species diversification, and structural diversity throughout the compartment while providing for multiple use and visual management.

**Soils and Topography:** The compartment consists almost entirely of lowlands, primarily on Lupton Muck. The few acres of high ground along Sand Hill Road are on Battlefield and Eastport Sands.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The compartment is split into two widely-separated ownership blocks. Major portions of the compartment's north block were transferred to Negwegon State Park following the state forest boundary review in 2004. Ownership is fairly solid in both the north and south blocks, encompassing largely inaccessible lowland cover types. Adjacent private land is also primarily swamp, so development is very limited, except along Hubbard Lake.

**Unique, Natural Features:** The Black River Swamp, an extensive lowland complex formed at the base of a large NW-SE oriented moraine, has the potential to provide habitat for unique and uncommon plant species. Marshes associated with Hubbard Lake's South Bay and the West Branch River floodplains support avian species whose populations are in the process of recovering.

**Archeological, Historical, and Cultural Features:** Evidence of early Native American activity within the compartment has been recorded by the Department of State.

**Special Management Designations or Considerations:** None at this time.

**Watershed and Fisheries Considerations:** The compartment's isolated blocks lie within two separate watersheds; the north block is associated with the Black River and Lake Huron, while the south block is associated with the West Branch River and Hubbard Lake.

**Wildlife Habitat Considerations:** The compartment's large, contiguous blocks of swamp conifers, lowland hardwoods, marshes and riparian corridors provide a wide spectrum of habitat suitable for a variety of plant and animal species.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of lacustrine (lake) sand and gravel and dune sand. The glacial drift thickness varies between 200 and 400 feet. Beneath the glacial drift is the Antrim Shale. The Antrim is quarried for cement products near Alpena. A gravel pit is located in Section 15 and there appears to be potential. Section 14 and 15 are leased for oil and gas development.

**Vehicle Access:** Due to the predominantly lowland terrain, access is extremely limited. Mt. Maria Road and Sand Hill Road are the only improved roads within the compartment.

**Survey Needs:** State ownership boundaries in the compartment's south block near Hubbard Lake are unclear. A thorough search of court house records is needed to clarify conflicting ownership information.

**Recreational Facilities and Opportunities:** While the compartment's north block is immediately adjacent to Negwegon State Park, no developed recreational facilities exist in this portion of the compartment itself. The south block contains a Parks & Recreation Division public access site on Hubbard Lake's South Bay. Given the compartment's low terrain, opportunities for developing additional facilities are limited.

**Fire Protection:** Access is very poor within the compartment, but the predominant lowland types do not normally present a fire hazard.

**LOTS Compartment Acreage:** \_\_\_\_\_

- **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

AUSABLE STATE FOREST

GRAYLING FOREST MGT UNIT

ALCONA COUNTY

COMPARTMENT: 63

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	STAND AGE CLASS																Total	
	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						25													25
Black Spruce						23													23
Bog or Marsh	12																		12
Cedar									20		300		12						332
LowInd Brush	142																		142
Marsh	188																		188
Mx Swmp Cnfr	129																		129
Red Pine							14			12									26
Swamp Hrdwds	13								43		9								65
Tamarack	74								37										111
Water	49																		49
<b>Total</b>	<b>607</b>					<b>48</b>	<b>14</b>		<b>100</b>	<b>12</b>	<b>309</b>		<b>12</b>						<b>1102</b>

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

AUSABLE STATE FOREST

GRAYLING FOREST MGT UNIT

ALCONA COUNTY

COMPARTMENT: 63

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	25																										25
S Black Spruce		23																									23
V Bog or Marsh			12																								12
C Cedar				332																							332
L Lowlnd Brush									142																		142
N Marsh											188																188
Q Mx Swmp Cnfr												129															129
R Red Pine																26											26
E Swamp Hrdwds																				65							65
T Tamarack																					111						111
Z Water																									49	49	
<b>Total</b>	25	23	12	332					142		188	129				26				65	111				49	1102	

AUSABLE STATE FOREST

GRAYLING FOREST MGT UNIT

ALCONA COUNTY

COMPARTMENT: **63**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	592 Cds	Hardwood	70 Cds
Softwood	9421 Cds	Softwood	24 Cds
Softwood	196 Mbf	Sum CutVol	94 Cds
Sum TotVol	10405 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
1102		12	

**GRAYLING FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 63**

**Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
14	R9	12	85	55	red pine	immature	improvement	3		

comnts Fmd : FUTURE ENTRANCE TO NEGWEGON STATE PARK. CUT J & A NOW TO ALLOW FOR RREGEN IN FUTURE. 2007 YOY: That portion of the compartment laying east of Sand Hill Road in Section 4 was transferred to Negwegon State Park; the chunk of former stand 15 that is west of Sand Hill Road was added as an inclusion to this stand.

**Total Acres..... 12**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 63**

**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>FD Status</b>
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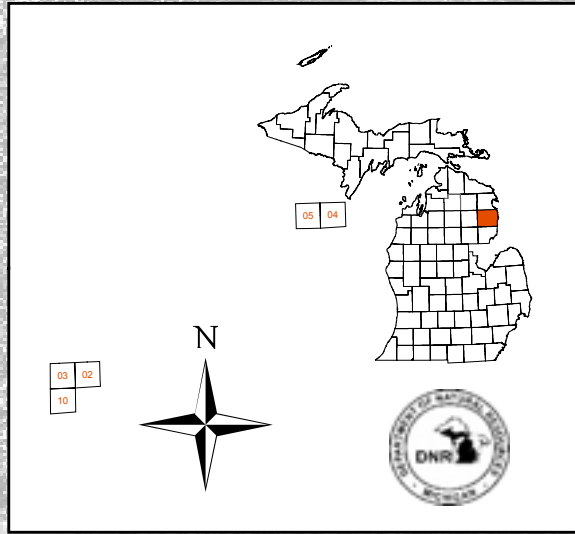
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TREATMENT LIMITING FACTORS:

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Total Acres..... 0

Compartment 63  
 T27N, R7E, Sec. 2, 3, 10  
 T28N, R9E, Sec. 5, 4  
 County: Alcona  
 Unit: Grayling  
 YOE: 2007  
 Acres: 1,102 GIS Calculated  
 Stand Examiner: Joan Charlebois  
 Map Revised: 9/21/2005  
 Map Phase: Pre-review

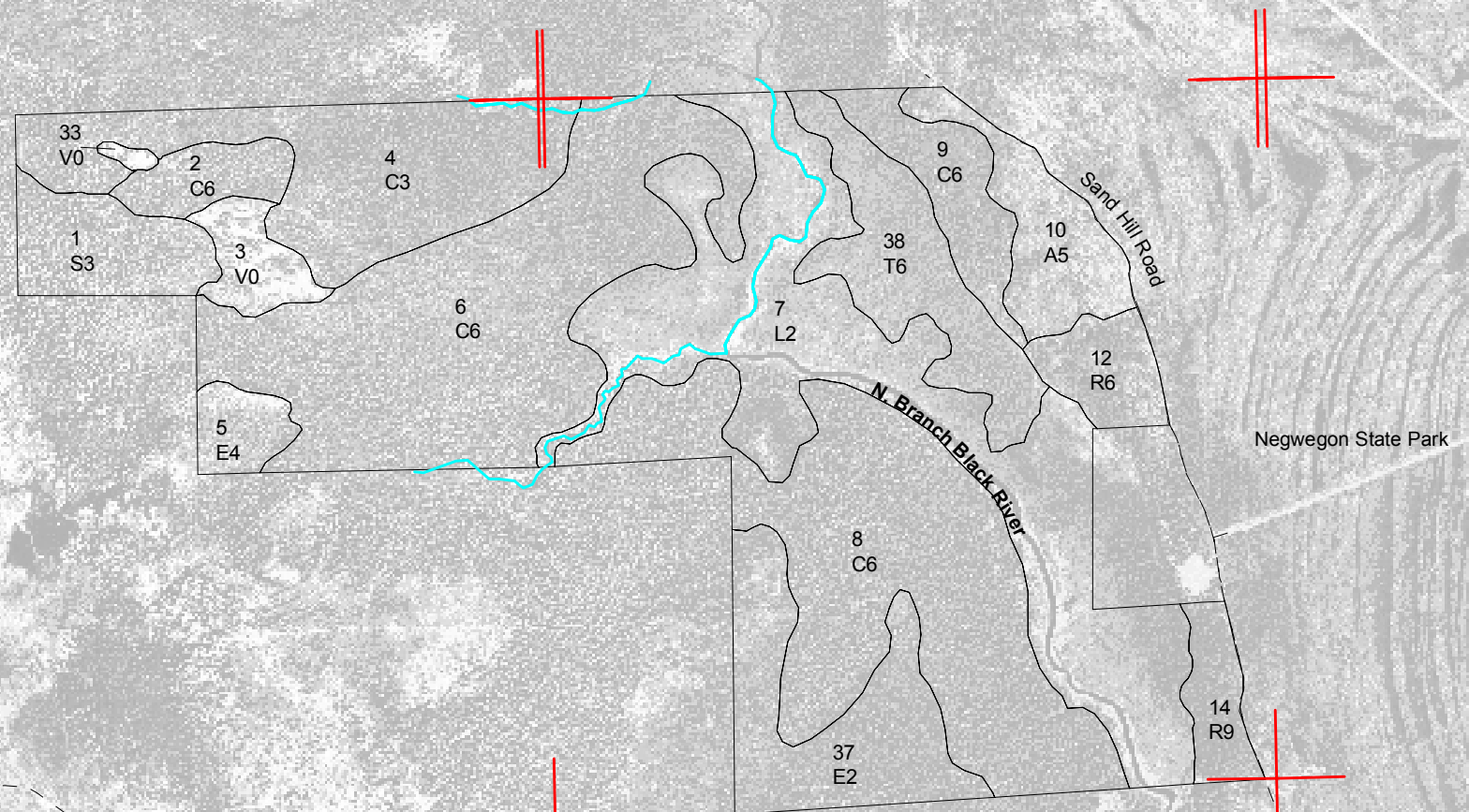


# Field Map

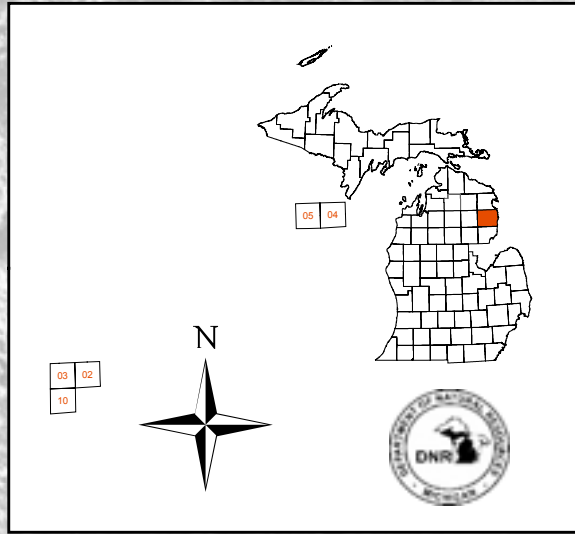
**Legend**

- Miris Corners
- - - Poor Dirt Roads
- Water Features
- Stand Boundary

**Name** Paved Roads  
**Name** Poor Dirt Roads  
**Name** Water Features



Compartment 63  
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# Field Map

**Legend**

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**Name** Paved Roads  
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