



**SHINGLETON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 184 ENTRY YEAR: 2007

Compartment Acreage: 834 County: Alger

Revision Date: 9/22/05

Stand Examiner: Jennifer Burnham

Legal Description: T46N R17W Sections 4-6

RMU (if applicable):

Management Goals: The main goal in this compartment is to conduct multiple resource management for current and future generations.

Soil and Topography: The topography in this compartment is flat to rolling with low areas. The main soils in the compartment are; Escanaba-Greylock Complex with good drainage and fair to good natural fertility, Munising Loam with good drainage and moderate natural fertility and Carbondale Peat with fair drainage and fair to good natural fertility. The entire compartment lies within the Munising Moraine Land Type Association.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The area has broken ownership of State and private properties. Section 6 is separated from the main part of the compartment by private ownership and H-15.

Unique, Natural Features (include only non-site specific and non-sensitive information): Currently under review by Michigan Natural Features Inventory (MNFI).

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

Special Management Designations or Considerations: The SE1/4NW1/4 of section 6, the SE1/4 of section 5 and the bottom part of the SW1/4 in section 4 are designated as deer yard areas. Treatments that will be conducted around any water areas and lowland conifers will follow all BMP regulations and those concerns addressed from other divisions.

Watershed and Fisheries Considerations: No comments from Fisheries.

Wildlife Habitat Considerations: This compartment lies five miles north of Shingleton and sits on the northern edge of the Petrel Deer Yard. General Land Office survey notes indicate sugar maple, yellow birch, hemlock, balsam fir, and elm dominated the uplands during pre-settlement times. Ironwood, beech and red maple were recorded as minor components of the forest. Lowlands contained a mix of cedar, spruce, tamarack, and a minor component of elm, red maple, and black ash. Although all the species recorded in the original survey still occur, sugar maple appears to be more dominant in today's upland than circa 1850. Black cherry also appears to be more prevalent than in pre-settlement times. Lowland conifer stands appear

to be fairly similar to those recorded by GLO surveyors. The cedar and swamp conifer stands (17, 18, 19, and 21) are part of a larger systematic management plan for the Petrel Deer Yard. They will be held back from treatment until dictated by that plan. The wildlife habitat objectives for the northern hardwoods consist of enhancing the species and structural diversity between and within stands.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of end moraine of medium-textured till and peat and muck. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Prairie du Chien (PdC) Formation subcrops below the glacial drift. The PdC could be used for stone. The nearest gravel pit is three miles to the south and there should be good potential. There is no commercial oil and gas production in the UP.

Vehicle Access: Access to the compartment is good with use of H-15 and H-58. There is also a good forest road system through out the compartment from past timber activities.

Survey Needs: None.

Recreational Facilities and Opportunities: This compartment is used regularly by hunters. There is also a good amount of traffic on the two main roads. There is fishing potential in the Humphrey Ponds. Snowmobile trail #8 goes through the compartment in section 5 and 4. This is the only trail out of Shingleton for access to the north.

Fire Protection: Fire response to the area will be good. The Shingleton station is about 4 miles from the compartment via H-15. The current road system is good enough for fire operations; however the timber types present are not of high fire potential. Urban interface problems could occur with those homes or cabins around the compartment, however the majority of the timber is northern hardwoods.

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

SHINGLETON FOREST AREA

ALGER COUNTY

COMPARTMENT: **184**

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not												100-	110-	120-	130-	140-	150-	All	Total
	Coded	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	109	119	129	139	149	159	Aged		
Aspen			8	8															16	
Black Spruce									23										23	
Cedar												52	20						72	
Grass	34																		34	
Lowlnd Brush	14																		14	
Mx Swmp Cnfr									59									33	92	
Red Pine				20															20	
Swamp Hrdwds																		11	11	
Treed Bog	7																		7	
Upland Brush																		18	18	
Upland Hdwds																		527	527	
Water	1																		1	
Total	56		8	28					82			52	20					589	835	

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

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

ALGER COUNTY

COMPARTMENT: 184

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	16																										16
S Black Spruce		23																									23
C Cedar				72																							72
G Grass					34																						34
L Lowlnd Brush									14																		14
Q Mx Swmp Cnfr												92															92
R Red Pine																20											20
E Swamp Hrdwds																				11							11
D Treed Bog																							7				7
U Upland Brush																									18		18
M Upland Hdwds																									527		527
Z Water																									1		1
Total	16	23		72	34				14			92			20					11		7			545	1	835

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

ALGER COUNTY

COMPARTMENT: **184**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	6177 Cds	Hardwood	41 Cds
Hardwood	364 Mbf	Sum CutVol	41 Cds
Softwood	3384 Cds		
Softwood	107 Mbf		
Sum TotVol	10503 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
835		20	

SHINGLETON FOREST AREA

**Proposed Treatments
With NO Limiting Factors**

Compartment: 184 **Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
16	M6	2		51	northern hardwood	unevenaged	selection	2		
comnts Fmd : Rolling terrain with good to fair quality. Area is coming back from old strip cuts. Volume is from ancillary. Escanaba-Greylock Complex, soil. Snowmobile trail next to stand on trail road.										
28	M6	15		51	northern hardwood	unevenaged	selection	2		
comnts Fmd : Rolling terrain with good to fair quality. Area is coming back from old strip cuts. Volume is from ancillary. Escanaba-Greylock Complex, soil. Snowmobile trail next to stand on trail road. MO is for northern hardwoods.Cut to help promote cherry and yellow birch.										
43	M4	41		55	northern hardwood	unevenaged		0	planting	
comnts Fmd : Stand was part of the old strip cuts ('64 photos) and is starting to come back. Black cherry, choke cherry are dominating right now. There are also smaller, scattered spruce, fir and red maple coming in with an occassional white pine. SI taken from adjacent hardwood stand. Ground cover consists of blueberry, grass, sedge while under the trees there is flowering dogwood and other ground cover found in the northern hardwoods. Hand plant oak.										
47	M6	3		51	northern hardwood	unevenaged	selection	2		
comnts Fmd : Area is a seasonally wet from spring run-off. The area is wide enough though that the ground dries out fairly fast to allow the hardwoods to do fair to good. Treat with surrounding stands, even though BA is low there are some trees that could be harvested to stimulate more regeneration. Aspen has already been cut out. 15 BA snags. Escanaba-Graylock Complex, soil. Snowmobile trail next to stand on trail road. MO is for northern hardwoods.										
Total Acres.....		61								

**Proposed Treatments
With Limiting Factors**

Compartment: 118

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

