



**SHINGLETON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 65 ENTRY YEAR: 2007**

**Compartment Acreage:1261 County: Schoolcraft**

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**Revision Date:** 9/22/2005

**Stand Examiner:** Tom Burnis

**Legal Description:** T43N R14W Sections 31-33

**RMU (if applicable):**

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

**Soil and Topography:** The soils in Schoolcraft County are currently being mapped by the Soil Survey. Preliminary soils information including Habitat Types can be found in the specific stand comments. In general, the soils are moderately drained sandy soils on the uplands and poorly drained organic soils on the low ground. The topography is rolling terrain consisting mostly of upland pine types. The West half of the compartment contains areas of lowland marsh between the pine ridges. The East half is intermixed with lowland brush and drainages as it gets closer to the Manistique River. The entire compartment lies within the Manistique Sloughs/Muskeg Land Type Association.

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

This compartment is 2 miles long and 1 mile wide of mostly contiguous state land, with some private and corporate lands intermixed. Development consists of permanent dwellings and hunting camps. Hunting is the main use within the compartment.

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

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

**Special Management Designations or Considerations:** Stands along the Manistique River are designated as potential old growth in an effort to protect highly erodable areas. These stands also offer diverse riparian corridors which sometimes contain unique species such as bur oak, elm and green ash within several of the hardwood stands. The corridor was also identified in 2000 by Wildlife Division as a Deeryard. Several new stands were included as new potential old growth to better match the intent of the corridor. Where these types of stands occurred adjacent to other old growth stands, it often makes sense to include them as old growth so as to increase the area and diversity of a contiguous stand. All stand identified as POG and or Deeryard were coded as Special Conservation Areas (SCA's).

**Watershed and Fisheries Considerations:** The Walsh Ditch is found in this compartment and although plugged, some flow still exists in the channel. A small buffer to prevent erosion of surface soils should be left for stabilization purposes (to the base of the spoil piles).

**Wildlife Habitat Considerations:** This compartment lies on the west side of the Manistique River. The first surveyors recorded sugar maple, elm, hemlock, yellow birch, white pine, balsam fir, and red pine as the dominant upland tree species. Other species found in the uplands include basswood, oak, beech, white birch, aspen, jack pine and red maple. Tamarack, black spruce, and white cedar were recorded in the lowlands. Current forest composition is skewed heavily toward jack pine in the western portion of the compartment while the eastern portion appears fairly similar in species composition to the pre-settlement forest. The wildlife habitat objectives in this compartment include providing late serial forest and old growth forest along the Manistique River corridor and promoting early successional conifer forest in the western portion of the compartment.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of lacustrine (lake) sand and gravel. There is up to 10 feet of glacial drift thickness. The Silurian Manitoulin Dolomite and Cabothead Shale subcrop below the glacial drift. The Manitoulin is quarried for stone. The nearest gravel pit is one-half mile to the south, but potential appears to be limited. There is no commercial oil and gas production in the UP.

**Vehicle Access:** Most of compartment is accessible by conventional two wheel drive vehicles on two track dirt roads.

**Survey Needs:** None

**Recreational Facilities and Opportunities:** There are no facilities. Opportunities include hunting and snowmobiling.

**Fire Protection:** Response times to fires within the compartment will be relatively slow due to its location. Fire operations will be challenging in some areas due to the lack of roads and the number of creeks present. The compartment has a mix of fuel types but there is a fair amount of jack pine in varying age classes which could potentially lead to some larger fires due response times, location and this volatile fuel type given the proper weather conditions.

**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

SCHOOLCRAFT COUNTY

COMPARTMENT: 65

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		28																	28
Black Spruce									55										55
Cedar									16										16
Hemlock														45					45
Jack Pine		179	116						205										500
Lowlnd Brush	79																		79
Marsh	183																		183
Mx Swmp Cnfr								72											72
Paper Birch								13											13
Red Pine								8											8
Spruce Fir								28											28
Swamp Hrdwds									7										7
Treed Bog	32																		32
Upland Hdwds																		116	116
Water	46																		46
White Pine														33					33
<b>Total</b>	<b>340</b>	<b>207</b>	<b>116</b>					<b>121</b>	<b>283</b>					<b>33</b>	<b>45</b>			<b>116</b>	<b>1261</b>

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

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

SCHOOLCRAFT COUNTY

COMPARTMENT: 65

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	28																										28
S Black Spruce		55																									55
C Cedar				16																							16
H Hemlock						45																					45
J Jack Pine							500																				500
L Lowlnd Brush									79																		79
N Marsh											183																183
Q Mx Swmp Cnfr												72															72
B Paper Birch															13												13
R Red Pine																8											8
F Spruce Fir																			28								28
E Swamp Hrdwds																				7							7
D Treed Bog																							32				32
M Upland Hdwds																								116			116
Z Water																									46		46
W White Pine																										33	33
<b>Total</b>	28	55		16		45	500		79		183	72			13	8			28	7		32		116	46	33	1261

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

SCHOOLCRAFT COUNTY

COMPARTMENT: **65**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	4169 Cds	Hardwood	132 Cds
Hardwood	4 Mbf	Softwood	5108 Cds
Softwood	9873 Cds	Softwood	378 Mbf
Softwood	1080 Mbf	Sum CutVol	5996 Cds
Sum TotVol	16210 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	
1261		221	

**SHINGLETON FOREST AREA**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 65**

**Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
19	F6	25	62	47	spruce-fir (uplands-including upland black spruce)	old growth (potential or actual)	final harvest	2		
<p>comnts Fmd : SCA-Deeryard Red and white pine logs mixed throughout. Fir is falling apart. Cut everything except hemlock. Also leave scattered white pine seed trees, by marking with green paint, if they occur on wind firm soils. Do a 100% tally on red and white pine logs. Any of the current species mix will be an acceptable MO. Cut stand on dry ground only to provide some scarification and to prevent plowing the snowmobile trail in the winter.</p>										
26	J1	41	6	58	jack pine	in process of regeneration		0	other - specify in remarks	
<p>comnts Fmd : Sale completed summer 1999. Permit# 56-96-01 Stand was partially scarified, 6 acres, September 1999, 37 acres scarified 2000 schedule regen check 2002 Regen results indicated failure. [8/6/2004 BB] Stand was seeded over the snow because of its inaccessability during summer. Regen check in 2007. Soil-25B Proper Fine Sand</p>										
30	J6	193	68	52	jack pine	mature	final harvest	1	natural regeneration	
<p>comnts Fmd : Include stand 2 compartment 61. Buffer to the bottom of the spoils along Walsh Ditch. Mark red pine to cut with orange paint, leaving 10 sq.ft. of poles (trees measuring 11" or less DBH) in upland areas. A new road is being built through the stand as part of several 2005 timbersales for summer access. New road will also be used for the sale of this stand but will be closed when all sales are complete. Try and limit to dry ground harvesting to promote regeneration and prevent the snowmobile trail from being used.</p>										
42	F5	3	62	47	spruce-fir (uplands-including upland black spruce)	old growth (potential or actual)	final harvest	1		
<p>comnts Fmd : SCA-Deeryard Upland ridge of large red and white pine over spruce and fir. Leave 3 white pine seed trees, do not cut hemlock. Cut all else. Do a 100% tally of pine logs. Soil-20E Rouseau- Neconish-Spot Complex. Cut stand on dry ground only to provide some scarification and to prevent plowing the snowmobile trail in the winter.</p>										
<b>Total Acres.....</b>		<b>262</b>								

**Proposed Treatments  
With Limiting Factors**

**Compartment: 65**

**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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TREATMENT LIMITING FACTORS:

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Total Acres..... 0

