



**SHINGLETON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 140 ENTRY YEAR: 2009**

**Compartment Acreage: 1,197 County: Alger**

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**Revision Date: 11/30/2007**

**Stand Examiner: Jennifer Burnham**

**Legal Description: T48N R15W Sections 26, 34-36**

**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 rolling with more elevation changes near the streams and rivers. This compartment contains several soil types; Saugatuck sand, which is low to fair natural fertility, white pine and low land hardwoods will grow on this soil; Autrain sand, low in natural fertility, growing yellow birch, beech, maple and hemlock types; Rubicon sand, also low in natural fertility having mainly pine growing on it; and the mucks/peat soils types having the marshes and bogs. The LTS's for this compartment are Munising moraine II in the NW part and Kingston Outwash for the remainder of the compartment.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Ownership within the compartment is broken up with private industry lands.

**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):** N/A

**Special Management Designations or Considerations:** The West Branch of the Fox River is a HCVA for Natural Rivers.

**Watershed and Fisheries Considerations:** This compartment contains the West Branch of the Fox River and stream reaches of Grass Creek, Loon Creek, and Pelican Creek. There are sufficient areas with spawning gravel to support brook trout in the West Branch, while the above mentioned tributaries support mainly warm-water fisheries. Standard BMP's should be implemented to control sediment sources from adjacent uplands. Fine sediments such as silt and sand negatively affect natural reproduction of fish, decrease the diversity of aquatic invertebrate and fish taxa, and result in lower overall fish populations.

**Wildlife Habitat Considerations:** This compartment lies along the Fox River Road north of the village of Seney. Pre-settlement data indicate the virgin forest in this area was a composite of white pine, hemlock,

beech, red maple, balsam fir, and yellow birch. Mountain ash was an important component of the understory. Lowlands were dominated by spruce.

The current forests continue to contain white pine in most locations; however, most of the other species have been reduced while red pine has significantly increased.

The wildlife management objectives for this compartment include managing for an age-class, species, and structural diversity with the forested system.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and lacustrine (lake) sand & gravel. There is insufficient data to determine the glacial drift thickness. The Cambrian Trempealeau and Munising Formations subcrop below the glacial drift. The Trempealeau could be used for stone and the Munising was used as a building stone in the past. Gravel pits are not located in this area, but there could be some potential. There is no commercial oil and gas production in the UP.

**Vehicle Access:** The Sunrise Grade can be driven through the center of the compartment with a good two-track going to the north or south for more access. Skid roads have mainly been blocked after timber sales reducing more roads to be developed.

**Survey Needs:** N/A

**Recreational Facilities and Opportunities:** The snowmobile trail follows the Sunrise Grade east and west with another snowmobile trail going south off the grade. The Fox River Pathway follows the West Branch through most of the compartment.

**Fire Protection:** Fire response to the area will be slow because there is no real direct route to the area. The areas with the most potential for wildfires are the pine plantations and access is from the south.

**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: 140

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not 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	Total
Black Spruce		33	25			56			8										122
Grass	43																		43
Lowlnd Brush	52																		52
Marsh	57																		57
Mx Swmp Cnfr			3																3
Red Pine							207												207
Spruce Fir																		5	5
Treed Bog	10																		10
Upland Hdwds			5															282	287
Water	7																		7
White Pine				72			6											326	404
<b>Total</b>	<b>169</b>	<b>33</b>	<b>33</b>	<b>72</b>		<b>56</b>	<b>213</b>		<b>8</b>									<b>613</b>	<b>1197</b>

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Individual Compartment Report

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

ALGER COUNTY

COMPARTMENT: 140

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
S Black Spruce		122																									122
G Grass					43																						43
L Lowlnd Brush									52																		52
N Marsh											57																57
Q Mx Swmp Cnfr												3															3
R Red Pine															207												207
F Spruce Fir																			5								5
D Treed Bog																						10					10
M Upland Hdwds						14																		273			287
Z Water																									7		7
W White Pine																										404	404
<b>Total</b>		122			43	14			52		57	3			207				5			10		273	7	404	1197

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

ALGER COUNTY

COMPARTMENT: **140**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	4231 Cds	Hardwood	572 Cds
Hardwood	101 Mbf	Hardwood	22 Mbf
Softwood	5340 Cds	Softwood	35 Cds
Softwood	1203 Mbf	Sum CutVol	651 Cds
Sum TotVol	12179 Cds		
<b>Total Cmpnt Acres</b>		Acres Proposed For Cut.....	61
	1197		

**SHINGLETON FOREST AREA**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 140**    **Entry Year: 2009**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>9</b>	<b>M6</b>	16		53	northern hardwood	unevenaged	selection	6		
comnts Fmd : Fox River Pathway now parallels the road to the north, consider visuals. Stand is under contract for DOC sale. Thin to promote same species mix. New retention guidelines will be used with new contract.										
<b>19</b>	<b>M6</b>	14		50	hemlock	unevenaged	delayed removal	6		
comnts Fmd : Red maple is sparse, good hemlock regeneration 12 to 20 in height, ground is moist. red maple site index = 50. LEAVE HEMLOCK AND YELLOW BIRCH. Stand is under contract for DOC sale. Thin to promote same species mix. New retention guidelines will be used with new contract.										
<b>22</b>	<b>M9</b>	31		60	northern hardwood	unevenaged	selection	6		
comnts Fmd : Nice areas of hemlock and white pine regeneration. Ground can be moist. Stand is under contract for DOC sale. Thin to promote same species mix. New retention guidelines will be used with new contract.										
<b>Total Acres.....</b>		<b>61</b>								

**Proposed Treatments  
With Limiting Factors**

**Compartment: 140**

**Entry Year: 2009**

<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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TREATMENT LIMITING FACTORS:

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

