



**SHINGLETON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 015 ENTRY YEAR: 2007**

**Compartment Acreage: 1825      County: Schoolcraft**

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**Revision Date:** Sept. 27, 2005

**Stand Examiner:** Kristen Matson

**Legal Description:** T45N R16W Section 10, 14, 15

**RMU (if applicable):**

**Management Goals:** Timber production and wildlife habitat management.

**Soil and Topography:** Flat marshland with small ridges. Soils in the low, wet areas are Deford Muck, Markey-Mucky Peat and Deford-AuSable-Tawas Mucks. Soils in the ridges are Paquin-Finch Sands, Rubixon-Croswell-Deford Complex, and Deford-AuGres-Rubicon Deep Water Table Complex.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** State land north, west and south of the compartment; Seney National Wildlife Refuge borders the compartment on the east.

**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 identified at this time.

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

**Watershed and Fisheries Considerations:** The Creighton River is classified as warm-water in the compartment. BMP's should be followed as inputs of sediment and increases in sand bedload need to be prevented.

**Wildlife Habitat Considerations:** This compartment lies between Hartman Camp Road and the Creighton River. Pre-settlement surveys showed open marsh to be the dominant feature within this compartment circa 1850. Tamarack, spruce, and cedar appear to have been the primary trees in the forested portions of the compartment. However, low ridges throughout the compartment also held white pine, red pine, and hemlock. In addition, surveyors recorded minor amounts of aspen, jack pine, white birch, yellow birch, red maple and beech. Although it appears that the open marshes are largely intact, forest species and structure on the low ridges have changed substantially. Red pine, jack pine, and aspen have all increased while tamarack, spruce, cedar, and white pine have shown marked decreases. Beaver ponding is an important environmental activity within this compartment providing habitat for a variety birds, herptiles, and plants. Moose and wolves are also relatively common within this compartment. Wildlife habitat objectives include protecting the integrity of the marsh system and promoting structural and species diversity with the forested portions of the compartment.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River Group subcrops below the glacial drift. The Black River is quarried for stone/dolomite elsewhere in the UP. Gravel pits are not found in the area and potential appears to be limited. There is no commercial oil and gas production in the UP.

**Vehicle Access:** Section 14 has several two-track roads, and the S. Creighton Truck Trail. The majority of the compartment is low, wet ground with islands of trees, and is without roads.

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

**Recreational Facilities and Opportunities:** There are no DNR recreational facilities within the compartment; but the area is used for deer and grouse hunting and people often set up hunting camps near the Creighton River.

**Fire Protection:** Lack of roads in most of the compartment makes access to fires difficult.

**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: 15

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
Aspen			208			8	7												223
Black Spruce			3			24		13	9										49
Grass	31																		31
Hemlock									2										2
Jack Pine			2			20	34												56
Lowlnd Brush	723																		723
Marsh	79																		79
Mx Swmp Cnfr							4												4
Non Stocked	9																		9
Red Pine			159				12	63	64									90	388
Spruce Fir						87													87
Swamp Hrdwds							2												2
Tamarack								16	44										60
Upland Hdwds						9		2											11
Water	60																		60
White Pine										41									41
<b>Total</b>	<b>902</b>		<b>372</b>			<b>148</b>	<b>59</b>	<b>94</b>	<b>119</b>	<b>41</b>								<b>90</b>	<b>1825</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: 15

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	223																										223
S Black Spruce		49																									49
G Grass					31																						31
H Hemlock						2																					2
J Jack Pine							56																				56
L LowInd Brush									723																		723
N Marsh											79																79
Q Mx Swmp Cnfr												4															4
X Non Stocked													9														9
R Red Pine																388											388
F Spruce Fir																			87								87
E Swamp Hrdwds																				2							2
T Tamarack																						60					60
M Upland Hdwds		2																							9		11
Z Water																									60		60
W White Pine																										41	41
<b>Total</b>	<b>225</b>	<b>49</b>			<b>31</b>	<b>2</b>	<b>56</b>		<b>723</b>		<b>79</b>	<b>4</b>	<b>9</b>			<b>388</b>			<b>87</b>	<b>2</b>	<b>60</b>			<b>9</b>	<b>60</b>	<b>41</b>	<b>1825</b>

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

SCHOOLCRAFT COUNTY

COMPARTMENT: 15

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	1236 Cds	Hardwood	643 Cds
Softwood	4924 Cds	Softwood	1855 Cds
Softwood	883 Mbf	Softwood	167 Mbf
Sum TotVol	7926 Cds	Sum CutVol	2832 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	205
1825			

## SHINGLETON FOREST AREA

Proposed Treatments  
With NO Limiting Factors

Compartment: 15

Entry Year: 2007

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	DFD Status
2	R9	3	75	50	red pine	mature	shelterwood-seed	2	natural regeneration	
comnts Fmd : Small area of high ground. Thin Red and White Pine, cut all other trees except oak & hemlock. Try to regenerate pine using prescribed burning; or scarify or plant. Will accept red or white pine regeneration. Rubicon-Croswell-Deford Complex. PVE										
3	R9	4	75	50	red pine	mature	shelterwood-seed	2	natural regeneration	
comnts Fmd : Pine ridge: thin red and white pine; cut all other trees except oak & hemlock. Try to regenerate pine using prescribed burning; or scarify or plant. Will accept red or white pine regeneration. Paquin-Finch Sands. ATFD										
4	R9	6	70	51	red pine	mature	shelterwood-seed	2	natural regeneration	
comnts Fmd : Ridge in marsh - difficult access. Thin RP & WP, cut all other trees (except oak & hemlock if they occur). Prescribed burn to regenerate pine, or scarify or handplant. Will accept red or white pine regeneration. Rubicon-Croswell-Deford Complex. PVE										
6	T6	42	71	50	tamarack	mature	final harvest	2		
comnts Fmd : Mix of Tamarack and Spruce on low, wet ground; with tall, thick brush. A few small areas of higher ground with red pine. Clearcut all trees except red pine, white pine, oak and hemlock. Will accept any combination of species that are already there as regeneration. 99=red maple, paper birch, aspen and black cherry. Deford Muck.										
7	R6	3	73	51	red pine	mature	shelterwood-seed	2	natural regeneration	
comnts Fmd : Small island in marsh - difficult access. Higher ground with RP, lower ground with Tamarack & tall brush. Cut all trees except RP, WP, Oak & Hemlock. Prescribed burn to regenerate pine if possible; or scarify, or hand plant with inmates. Will accept red or white pine regeneration. Rubicon-Croswell-Deford Complex. PVE										
8	R9	4	70	51	red pine	mature	shelterwood-seed	2	natural regeneration	
comnts Fmd : Ridge in marsh - difficult access. Thin RP & WP, cut all other trees (except oak & hemlock if they occur). Prescribed burn to regenerate pine, or scarify or handplant. Try to regenerate using prescribed burning; or scarify or plant. Will accept red or white pine regeneration. Rubicon-Croswell-Deford Complex. PVE										
9	T6	16	64	48	tamarack	mature	final harvest	2		
comnts Fmd : Low flat area of trees connecting islands of pine in a marsh. Tall, thick brush. Some small areas of higher ground with pine occur within the stand. Will accept any combination of species already there as regeneration. Deford Muck.										
10	R6	7	73	51	red pine	mature	shelterwood-seed	2	natural regeneration	
comnts Fmd : Island in marsh that extends into C011, S40; cut when treating other compartment. Difficult access. Thin Red & White Pine where needed, cut all other trees except hemlock & oak (if they occur). Higher ground with more pine, lower ground with more paper birch and aspen. Will accept red or white pine regeneration. Deford-AuGres-Rubicon Deep Water Table. PArV										
15	R9	3	70	51	red pine	mature	shelterwood-seed	2	natural regeneration	
comnts Fmd : Ridge in marsh - difficult access. Thin RP & WP, cut all other trees (except oak & hemlock if they occur). Prescribed burn to regenerate pine, or scarify or handplant. Will accept red pine or white pine for regeneration. Finch Sand. PArVAa										
23	R9	34		55	red pine	unevenaged	shelterwood-seed	2	natural regeneration	
comnts Fmd : [7/7/04] Cut this stand along with the adjacent red pine stand in section 16 (Cmp 012, stand #120 on the YOE 2006 inventory). Shelterwood - remove poor quality Red & White Pine, and remove all other trees (except oak, hemlock & cedar if present). Scarify for natural regeneration. Will accept red or white pine for regeneration.										
32	R6	38	60	52	red pine	immature	thinning	2		
comnts Fmd : Some areas of lower ground with aspen and red maple. Thin red & white pine, cut all other trees. Will accept red or white pine for regeneration. Duck-Crowell Soil. PArVAa										
35	J6	34	56	50	jack pine	mature	final harvest	1	natural regeneration	
comnts Fmd : Near the South Creighton Road and the Creighton River. Follow BMP guidelines where stand is close to the river. Variable BA: some areas are J5. Cut all trees except red & white pine (may cut some) and oak. Regenerate to Jack Pine. Duck-Crowell Soils. PArVAa										
38	M6	2	60	47	aspen (upland)	mature	final harvest	1	natural regeneration	
comnts Fmd : Small area of aspen/red maple that wasn't cut with the rest of the stand 10 years ago. MO for original stand was Aspen; we will now accept either aspen or maple regeneration. Cut all trees except oak. (old paint) Aspen SI from adjacent stand=55. Deford-AuGres-Rubicon Deep Water Table Complex. PArV										
45	A5	3	53	58	aspen (upland)	mature	final harvest	1	natural regeneration	
comnts Fmd : Lower ground between RP ridges. Regenerate to Aspen. TSI if necessary. 98=JP & RP Deford-AuGres-Rubicon Deep Water Table Complex. PArV										
47	A5	4	53	58	aspen (upland)	mature	final harvest	1	natural regeneration	
comnts Fmd : Slightly lower ground, wet in the spring. Regenerate to Aspen. TSI if necessary. Duck-Crowell soils. PArVAa										

Total Acres..... 203

**SHINGLETON FOREST AREA**

**Proposed Treatments  
With Limiting Factors**

**Compartment: 15**

**Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
53	T6	2	68	50	tamarack	mature	final harvest	2		

TREATMENT LIMITING FACTORS: Inadequate volume due to small acreage  
Blocked by other physical obstacle

comnts Fmd : Mix of Tamarack and Spruce on a small, low ridge in a large marsh. Very difficult access. If possible, clearcut all trees except red pine, white pine, oak and hemlock. Soil=Deford Muck.

**Total Acres..... 2**

