



**SHINGLETON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 150 ENTRY YEAR: 2007

Compartment Acreage: 2,590 County: Schoolcraft

Revision Date: 9/22/05

Stand Examiner: Richard Dover

Legal Description: T46N R15W Sections 1, 2, 11-13, 24 and 25

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 mostly flat with low wet areas. Soils are can be fair to good drainage with good to fair natural fertility. The compartment can be split in half with a diagonal line from the NW to the SE splitting it into two LTA's. The E is the Seney Channel Fens and the W is the Driggs Basin Land Type Associations.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Ownership in the compartment is mainly State land. The exception is in sections 1 and 2 where small private tracks are between the Driggs River Road and the Driggs River. It is mainly State land surrounding the compartment.

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: There are two sediment traps on the river that are maintained by Fish Division. 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: The Driggs River forms the western boundary of this compartment and supports a quality brook trout fishery. Discouraging beaver from damming the stream is a concern, and BMP's should be followed as inputs of sediment and increases in sand bedload need to be prevented.

Wildlife Habitat Considerations: This compartment lies north of M-28 along the Seney Stretch and immediately east of the Driggs River. Wetlands dominate the northern and eastern portions of this compartment. The General Land Office surveyors recorded tamarack as the primary tree species in the pre-settlement forested portions of this compartment. Spruce, white pine, hemlock, cedar, and red maple were also recorded as important components of the forest. Tree species making up less significant portions of the forest composition included red pine, white birch, beech, yellow birch, and aspen. Although not mentioned

by the surveyors, red oak must have been at least a minor component in this compartment. Today's forest composition includes all the original components but tamarack is not longer the dominant forest type. Jack pine, red pine and aspen are much more prevalent than in the pre-settlement forest. Oak also persists in isolated areas. Wildlife habitat objectives include maintaining the hydrological integrity of the marsh complex, enhancing species and structural diversity within the northern hardwood and conifer forest, and promoting the production of hard mast in the form of acorns.

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

Vehicle Access: Access to the compartment is fair to good with the Driggs River Road running the length of the compartment. There is also a fair amount of forest roads from past timber activity that allows hunters and other recreationalists to access State land.

Survey Needs: None.

Recreational Facilities and Opportunities: The Driggs River offers good fishing opportunities with several spots along the river that are used for disperse camping. There is also a new canoe ramp at one of these sites.

Fire Protection: Fire response to the area will be good with the Seney Station 9 miles east via M-28. The current road system is fair for fire operations. The majority of acres are a jack pine component with spruce of varying age classes. The only real urban interface problem within the compartment is the private along the river in sections 1 and 2; these seasonal homes are mainly in poor hardwoods with white pine.

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: 150

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			61	293															354
Black Spruce			12																12
Grass	70																		70
Jack Pine		31	566	162	41	12		121											933
Lowlnd Brush	109																		109
Marsh	390																		390
Non Stocked	13																		13
Oak																		47	47
Red Pine		12																138	150
Tamarack									133									8	141
Upland Brush				90															90
Upland Hdwds																		87	87
Water	74																		74
White Pine							9											111	120
Total	656	43	639	545	41	12	9	121	133									391	2590

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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: 150

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	354																										354	
S Black Spruce		12																									12	
G Grass					70																						70	
J Jack Pine							933																				933	
L Lowlnd Brush								109																			109	
N Marsh											390																390	
X Non Stocked													13														13	
O Oak														47													47	
R Red Pine																150											150	
T Tamarack																					141						141	
U Upland Brush																								90			90	
M Upland Hdwds																								87			87	
Z Water																									74		74	
W White Pine																										120	120	
Total	354	12			70		933		109		390		13	47		150					141			90	87	74	120	2590

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

SCHOOLCRAFT COUNTY

COMPARTMENT: **150**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	1111 Cds	Hardwood	273 Cds
Hardwood	131 Mbf	Softwood	2798 Cds
Softwood	4856 Cds	Softwood	360 Mbf
Softwood	1346 Mbf	Sum CutVol	3791 Cds
Sum TotVol	8921 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	
2590		275	

SHINGLETON FOREST AREA

**Proposed Treatments
With NO Limiting Factors**

Compartment: 150 **Entry Year: 2007**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
11	T5	133	75	65	tamarack	mature	final harvest	2			
comnts Fmd : some cedar, balsam present. Leave some white pine, pine real nice in areas with high ba. Mark to cut with wind a concern. Very wet on east side. Will accept any lowland conifer after cut.											
30	J6	54	64	55	jack pine	mature	final harvest	2	natural regeneration		
comnts Fmd : leave some red pine.nice jack and spruce on north and south end. Red and white in middle. Spruce and jack are preferred repro.											
35	R9	8		52	red pine	unevenaged	seed tree	2	natural regeneration		
comnts Fmd : cut with 30											
49	J5	65	60	45	jack pine	mature	final harvest	1	natural regeneration		
comnts Fmd : sparse stand with many holes, and smaller jack. Budworm potential. Leave some red and white. Plant oak. Pockets of aspen ok in repro.											
71	T9	8		68	tamarack	mature	final harvest	2			
comnts Fmd : scattered white pine, leave some if wind firm. Any conifer ok for repro.											
Total Acres.....		268									

SHINGLETON FOREST AREA

**Proposed Treatments
With Limiting Factors**

Compartment: 150 Entry Year: 2007

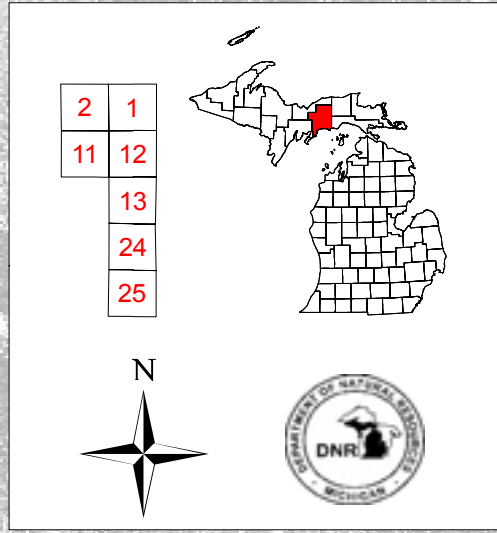
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
13	W9	7		50	white pine	unevenaged	thinning	3		

TREATMENT LIMITING FACTORS: Too wet
Inadequate volume due to small acreage

Total Acres..... 7

Field Map

Compartment 150
 T46N, R15W, Sec. 1, 2, 11-13, 24, 25
 County: Schoolcraft
 Unit: Shingleton
 YOE: 2007
 Acres: 2,590 GIS Calculated
 Stand Examiner: Richard Dover
 Map Revised: 10/03/2005
 Map Phase: Pre-review



- Legend**
- Miris Corners
 - - - Poor Dirt Roads
 - Stand Boundary
 - ▨ 100 - Final Harvest
 - ▩ 145 - Final Harvest/Natural Regeneration/Mechanical, other
 - ▧ 245 - Seed-tree/Natural Regeneration/Mechanical, other
 - ▦ 400 - Thinning

