



**SHINGLETON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 69 ENTRY YEAR: 2007

Compartment Acreage: 484 County: Schoolcraft

Revision Date: 9/23/2005

Stand Examiner: Tom Burnis

Legal Description: T42N R14W Sections 5, 7, 8 & 18

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 poorly drained organic soils on the low ground and the hardwood types along the river are moderately drained loam complexes. The topography is mostly level, lower type ground with slight rises where upland tree species occur. Along the northeast edge of the compartment is a steep ridge of hardwoods descending into the cedar type which makes up a large part of the compartment. Many oxbows and drainages occur on the west boundary along the Manistique River. The compartment is predominately in the Manistique Sloughs/Muskeg Land Type Association (LTA). However, the southern end of the compartment lies within the Stutts Creek Sands LTA.

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

This compartment stretches a little over 2 miles along the Manistique River. It is a very narrow, non-contiguous pattern. Development consists of permanent dwellings and hunting camps on the private ownerships, all along the river. 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: A section of the Manistique River is found in this compartment and is designated as non-trout water. Species such as walleye, sunfish, and lake sturgeon inhabit this section of the Manistique River. Protection from sand bedload is still a high priority.

Wildlife Habitat Considerations: This compartment is bounded on the west by the Manistique River. General Land Office notes indicate that the first surveyors found uplands dominated by hemlock, white pine, birch, sugar maple, and beech.. Red maple, balsam fir, and basswood were minor components. Cedar appeared to be the primary lowland tree species. Currently the forest species composition appears to be fairly similar to pre-settlement times. However, there is likely a difference in distribution of those species. Wildlife habitat objectives include providing old growth forest along the Manistique River corridor, maintaining white birch as a component in the forest, protecting the closed canopy cedar stands, and regenerating aspen.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of thin to discontinuous lacustrine (lake) sand and gravel over bedrock. The glacial drift thickness varies from 0 to 10 feet. The Silurian Cabothead Shale subcrops below the glacial drift. The Cabothead does not have a current economic use. The nearest gravel pit is located one-half mile to the east and there may be some potential on the uplands. There is no commercial oil and gas production in the UP.

Vehicle Access: Most of compartment is not accessible by conventional vehicles. Two track dirt roads run alongside compartment boundaries with access to the interior being by foot.

Survey Needs: None

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

Fire Protection: Access to the main body of the compartment would be 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: 69

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 | | 63 | | | | | | 8 | | 15 | | | | | | | | | 86 |
| Cedar | | | | | | | | | | 174 | | | | | | | | | 174 |
| Grass | 1 | | | | | | | | | | | | | | | | | | 1 |
| Hemlock | | | | | | | | | 37 | | | | | | 4 | | | | 41 |
| Lowlnd Brush | 12 | | | | | | | | | | | | | | | | | | 12 |
| Marsh | 6 | | | | | | | | | | | | | | | | | | 6 |
| Mx Swmp Cnfr | | | | | | | | | | | | 18 | | | | | | | 18 |
| Paper Birch | | | | | | | | 11 | 4 | | | | | | | | | | 15 |
| Sand Dune | 5 | | | | | | | | | | | | | | | | | | 5 |
| Spruce Fir | | | 3 | | | | | | | 7 | | | | | | | | | 10 |
| Upland Hdwds | | | | | | | | | | | | | | | | | | 108 | 108 |
| Water | 8 | | | | | | | | | | | | | | | | | | 8 |
| Total | 32 | 63 | 3 | | | | | 19 | 41 | 196 | | 18 | | | 4 | | | 108 | 484 |

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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: 69

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 | 86 | | | | | | | | | | | | | | | | | | | | | | | | | | 86 |
| C Cedar | | | | 174 | | | | | | | | | | | | | | | | | | | | | | | 174 |
| G Grass | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 |
| H Hemlock | | | | | | 41 | | | | | | | | | | | | | | | | | | | | | 41 |
| L Lowlnd Brush | | | | | | | | | 12 | | | | | | | | | | | | | | | | | | 12 |
| N Marsh | | | | | | | | | | | 6 | | | | | | | | | | | | | | | | 6 |
| Q Mx Swmp Cnfr | | | | | | | | | | | | 18 | | | | | | | | | | | | | | | 18 |
| B Paper Birch | 4 | | | | | | | | | | | | | | 11 | | | | | | | | | | | | 15 |
| Y Sand Dune | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | 5 |
| F Spruce Fir | | | | | | | | | | | | | | | | | | | 10 | | | | | | | | 10 |
| M Upland Hdwds | | | | | | | | | | | | | | | | | | | | | | | | 108 | | | 108 |
| Z Water | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | |
| Total | 90 | | | 174 | 1 | 41 | | | 12 | | 6 | 18 | | | 11 | | | 5 | 10 | | | | | 108 | 8 | 484 | |

LAKE SUPERIOR STATE FOREST

SHINGLETON FOREST AREA

SCHOOLCRAFT COUNTY

COMPARTMENT: **69**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

| COMPARTMENT SUMMARY | | | |
|-------------------------|-----------|-----------------------------|---------|
| TOTAL VOLUME | | CUT VOLUME | |
| Hardwood | 5425 Cds | Hardwood | 272 Cds |
| Hardwood | 229 Mbf | Hardwood | 11 Mbf |
| Softwood | 9576 Cds | Softwood | 146 Cds |
| Softwood | 289 Mbf | Softwood | 46 Mbf |
| Sum TotVol | 16037 Cds | Sum CutVol | 532 Cds |
| Total Cmpt Acres | | Acres Proposed For Cut..... | 16 |
| 484 | | | |

SHINGLETON FOREST AREA

**Proposed Treatments
With NO Limiting Factors**

Compartment: 69

Entry Year: 2007

| Stand | Cover Type | Acres | Age | Site Index | Mgt Obj | Condition | Method Cut | Harvest Priority | Cultural Need | FDF Status |
|--|------------|-----------|-----|------------|--|----------------------------------|---------------|------------------|---------------|------------|
| 2 | F6 | 7 | 82 | 52 | spruce-fir (uplands-including upland black spruce) | old growth (potential or actual) | final harvest | 1 | | |
| <p>comnts Fmd : SCA-Deeryard Stand is mostly an upland type with a small stand of nice red pine logs in southern tip. Stand also includes a lowland black spruce type of about 2 acres on west side. Leave a few scattered red and white pine seed trees by marking all other pine to cut with orange paint. Leave all hemlock, cut all other species. Soil-25B Proper Fine Sand. A species mix of fir, spruce, birch, aspen and pine is acceptable regeneration for this stand.</p> | | | | | | | | | | |
| 7 | M6 | 5 | | 63 | northern hardwood | old growth (potential or actual) | selection | 2 | | |
| <p>comnts Fmd : SCA-Deeryard Mark to cut with orange paint. Soil-100E Gulliver-Amadon Silt Loams</p> | | | | | | | | | | |
| 11 | B6 | 4 | 70 | 54 | aspen (upland) | old growth (potential or actual) | final harvest | 1 | | |
| <p>comnts Fmd : SCA-Deeryard Must be allowed to cut cedar along the bottom of ridge to allow for equipment operation. Do not cut hemlock. Aspen is very large. Aspen, fir and red maple may overtake birch as regeneration after stand is cut. This will be acceptable. Cut stand between August 15 and April 1 to promote good aspen flush. Soil-27A Hendrie-Anninias Complex</p> | | | | | | | | | | |
| Total Acres..... | | 16 | | | | | | | | |

**Proposed Treatments
With Limiting Factors**

Compartment: 69

Entry Year: 2007

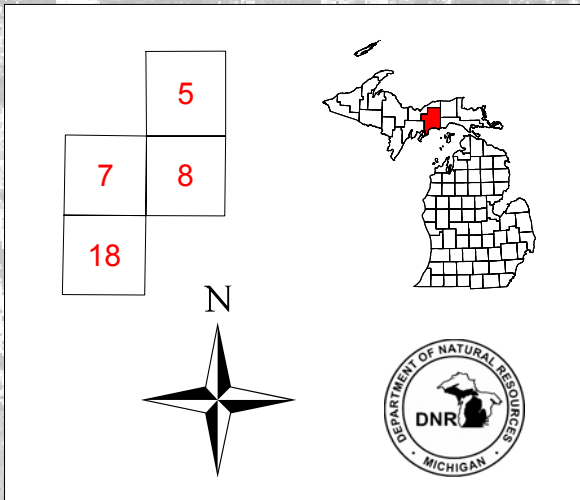
| Stand | Cover Type | Acres | Age | Site Index | Mgt Obj | Condition | Method Cut | Harvest Priority | Cultural Need | FDF Status |
|--------------|-----------------------|--------------|------------|-----------------------|--------------------|------------------|-----------------------|-----------------------------|--------------------------|-----------------------|
|--------------|-----------------------|--------------|------------|-----------------------|--------------------|------------------|-----------------------|-----------------------------|--------------------------|-----------------------|

TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 69
 T42N, R14W, Sec. 5, 7, 8, 18
 County: Schoolcraft
 Unit: Shingleton
 YOE: 2007
 Acres: 484 GIS Calculated
 Stand Examiner: Thomas Burnis
 Map Revised: 9/30/2005
 Map Phase: Pre-review



Legend

- RLS Corners
- Miris Corners
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Trails
- Strand Boundary
- Biodiversity/Old Growth Area
- 100 - Final Harvest
- 800 - Final Harvest

Name County Gravel Roads
Name Gravel Roads
Name Water Features

