



ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION
COMPARTMENT # 102 ENTRY YEAR: 2007

Compartment Acreage: 1472 County: Alpena

Revision Date: October 19, 2005

Stand Examiner: Barber

Legal Description: T31N, R7E, Sec. 6, 7, & 18

RMU (if applicable):

Management Goals: Increase hydrological pumping through forest growth. Reduce trash dumping on state land.

Soil and Topography: This compartment consists largely of muck soils. Slightly higher, poorly drained sands carry swamp aspen and lowland conifer stands. Beach ridges support aspen, red pine, and white pine.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Most nearby land is additional state land. Private land is a mix of hunting lands, residential and some farming. Alpena County Regional Airport lies a few miles to the east.

Unique, Natural Features (include only non-site specific and non-sensitive information): In 1955, a special concern species was spotted within several miles of this compartment.

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

Special Management Designations or Considerations: None.

Watershed and Fisheries Considerations: No special considerations exist for this compartment.

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Wildlife Habitat Considerations and Objectives:

This compartment is located approximately five miles southwest of the City of Alpena. It is part of a 26 square mile landscape dominated by State Forest Lands associated with the Devil's Lake system. The topography is somewhat flat lowland and wet.

The compartment is located in Ecoregion VII.6.3, a flat lake plain with very poorly drained peat/muck soils. Kotar's cover typing systems list most of the compartment as unclassified wetlands inter mixed with PArVCo. This compartment is part of a larger deer wintering/yarding area and provides excellent thermal cover, fair fall/winter food source and very limited spring/summer habitat potential. GLO data suggest this area was forested with cedar except for a small amount of northern hardwoods in the far northwest corner and tamarack along the northeast edge. GLO also indicates that a stand of hemlock and cedar stood where stands 34 (P3) and 47 (R9) are today. Today lowland brush (49%), balsam poplar (26%), cedar (9%) and aspen (6%) make up 90% to the habitat.

The cover types found in the compartment today provide a high (900+ acres) habitat value for black-crowned night heron, black duck, beaver, spring peeper, common garter snake, coyote and long-tailed weasel to name a few species. There are no planned management activities during the next ten years that will affect wildlife habitats.

Mineral Resource and Development Concerns and/or Restrictions: All state land in this compartment has been classified as non-development. Surface sediments consist of lacustrine (lake) sand and gravel and minor dune sand. The glacial drift thickness varies between 0 and 10 feet. Beneath the glacial drift are the Devonian Antrim Shale and Traverse Group. The Antrim and Traverse are quarried for clay/shale and limestone/cement products six miles to the southeast. A gravel pit is located one-half mile to the west, but potential may be limited. This area has had no drilling for oil and gas. The Antrim Shale is pinching out in this area and production is unlikely. There are no State oil and gas leases in the area.

Vehicle Access: Roads to be closed as shown on compartment map.

Survey Needs: Surveying will be required to prove trespass.

Recreational Facilities and Opportunities: Hunting.

Fire Protection: This compartment is located in the protection area of the Alpena DNR and the Maple Ridge Fire Department. Maple Ridge Township Fire department would most likely arrive on scene first due to the location of their station. The Alpena DNR has mutual aid agreements with Maple Ridge Township Fire Department. Fires in this area have not been large in the past due to the timber type. Historically the fires in this area have been from debris burning and campfires.

Access to the compartment is good.

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

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

ALPENA COUNTY

COMPARTMENT: 102

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 | 84 | | | | | | | | | | | | | | | | | | | | | | | | | | 84 |
| S Black Spruce | | 37 | | | | | | | | | | | | | | | | | | | | | | | | | 37 |
| V Bog or Marsh | | | 7 | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| C Cedar | | | | 135 | | | | | | | | | | | | | | | | | | | | | | | 135 |
| G Grass | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | 10 |
| L LowInd Brush | | | | | | | | | 706 | | | | | | | | | | | | | | | | | | 706 |
| P LowInd Poplr | | | | | | | | | | 368 | | | | | | | | | | | | | | | | | 368 |
| Q Mx Swmp Cnfr | | | | | | | | | | | | 35 | | | | | | | | | | | | | | | 35 |
| X Non Stocked | | | | | | | | | | | | | 34 | | | | | | | | | | | | | | 34 |
| R Red Pine | | | | | | | | | | | | | | | 25 | | | | | | | | | | | | 25 |
| E Swamp Hrdwds | | | | | | | | | | | | | | | | | | | | 15 | | | | | | | 15 |
| T Tamarack | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | 5 |
| W White Pine | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 |
| Total | 84 | 37 | 7 | 135 | 10 | | | | 706 | 368 | | 35 | 34 | | 25 | | | | 15 | 5 | | | | | | 11 | 1472 |

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

ALPENA COUNTY

COMPARTMENT: **102**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

| TOTAL VOLUME | | CUT VOLUME | |
|-------------------------|----------|-----------------------------|---|
| Hardwood | 1705 Cds | | |
| Hardwood | 194 Mbf | | |
| Softwood | 2883 Cds | | |
| Softwood | 304 Mbf | | |
| Sum TotVol | 5584 Cds | | |
| Total Cmpt Acres | | Acres Proposed For Cut..... | 0 |
| 1472 | | | |

**Proposed Treatments
With NO Limiting Factors**

Compartment: 102

Entry Year: 2007

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

Total Acres..... 0

**Proposed Treatments
With Limiting Factors**

Compartment: 102 Entry Year: 2007

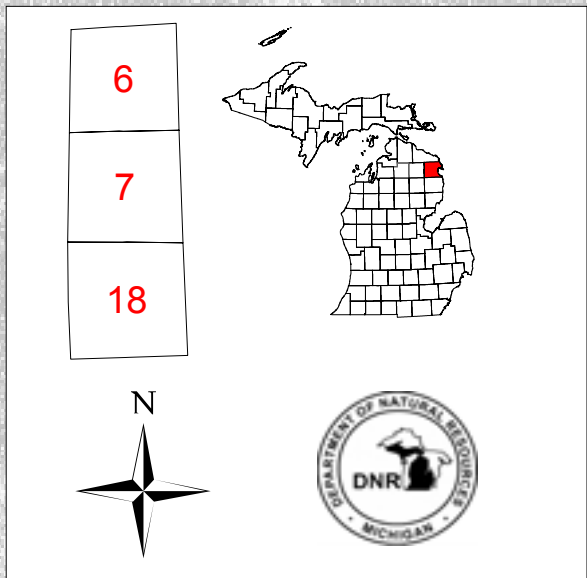
| Stand | Cover Type | Acres | Age | Site Index | Mgt Obj | Condition | Method Cut | Harvest Priority | Cultural Need | FDI Status |
|-------|------------|-------|-----|------------|---------|-----------|------------|------------------|---------------|------------|
|-------|------------|-------|-----|------------|---------|-----------|------------|--------------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

TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

Compartment 102
 T31N, R7E, Sec. 6, 7, 18
 County: Alpena
 Unit: Atlanta
 YOE: 2007
 Acres: 1,472 GIS Calculated
 Stand Examiner: Richard Barber
 Map Revised: 8/30/2005
 Map Phase: Pre-review



Legend
 — Miris Corners
 - - Poor Dirt Roads
 - - Powerlines
 □ Stand Boundary
 Name Gravel Roads
 Name Poor Dirt Roads

