



**PIGEON RIVER COUNTRY MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT 21 ENTRY YEAR: 2008

Compartment Acreage: 1604 County: Cheboygan

Revision Date:

August 10, 2006

Stand Examiner:

Rick McDonald

Legal Description:

T33N - R01E sections 4, 5, 6

RMU (if applicable):

Not Applicable

Management Goals:

Maintain current species mix and apply appropriate management techniques to mature stands of timber that are in need of treatment.

Soil and Topography:

Uplands are generally rolling to mostly level. Soils are predominantly sand of varying associations including, Rubicon and Cheboygan sands on the upland sites Tawas peat in the lowlands.

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

Almost entirely state-owned land throughout the compartment with a few private parcels interspersed.

Unique, Natural Features (include only non-site specific and non-sensitive information):

A representative from Michigan's Natural Features Inventory will be on hand at the formal compartment review.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):

None identified.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

Duby Lake lies within the compartment boundaries. The Milligan Creek flows from Duby Lake north into the Black River, which is a designated trout stream.

Wildlife Habitat Considerations:

Over half of this compartment is lowland types or water. The large conifer swamp in the center of the compartment serves as a winter deer yard in some years. There are 2 stands (32, 402) of opening/upland brush that are filling in with upland brush and will be treated to maintain them as openings.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and coarse-textured till. The Glacial drift thickness varies between 10 and 100 feet. Beneath the glacial drift are the Devonian Antrim Shale and Traverse Group that is quarried for cement products and stone elsewhere in the State. A gravel pit is located two miles to the east and potential is considered good on the uplands. This area was previously leased for oil and gas development in the Niagaran reef trend. Niagaran reef production is located two miles to the southeast. The Antrim Shale appears to be very thin in this area and there is no known oil and gas potential.

Consistent with the objectives of the Concept of Management there are no plans to engage in mining activities (sand, gravel, stone, etc.) or oil and gas development in this Compartment. Nondevelopment (no surface infrastructure including pipelines, new roads, utility lines, well pads, etc.) oil and gas leasing may be considered.

Vehicle Access:

There is good access to most, if not all, of the compartment. Most of the roads, however, have been closed to wheeled motorized vehicles with virtually all those closures still intact.

Survey Needs:

None required.

Recreational Facilities and Opportunities:

No maintained recreational facilities exist within this compartment. However, the High Country Pathway traverses nearly the entire length of compartment 21.

Fire Protection:

Access is poor in case of any fire suppression efforts, though the area is generally at low risk to any major wildfire potential. Most road systems are closed with berms.

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

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 21

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 | | 50 | 155 | 131 | 11 | 73 | | | | 3 | | | | | | | | | 423 |
| Black Spruce | | | | | | | | | 2 | | | | | | | | | | 2 |
| Cedar | | | | | | | | | | 17 | 84 | 89 | 1 | | | 246 | | | 437 |
| Grass | 29 | | | | | | | | | | | | | | | | | | 29 |
| Hemlock | | | | | | | | | | 24 | | | | | | | | | 24 |
| Lowlnd Brush | 166 | | 4 | | | | | | | | | | | | | | | | 170 |
| Marsh | 58 | | | | | | | | | | | | | | | | | | 58 |
| Mx Swmp Cnfr | | | | | | | | | 9 | | | | | | | | | | 9 |
| Paper Birch | | | | | 17 | 33 | | | | 11 | | | | | | | | | 61 |
| Red Pine | | | | 24 | | | | | | | | 20 | | 29 | | | | 7 | 80 |
| Spruce Fir | | | | 2 | | | | | | | | | | | | | | | 2 |
| Swamp Hrdwds | | | 16 | | | | | 28 | | 7 | | | | | | | | | 51 |
| Tamarack | | | | | | | | | 6 | | | | | | | | | | 6 |
| Upland Brush | 15 | | | | | | | | | | | | | | | | | | 15 |
| Upland Hdwds | | | | | | | | | | 7 | | | | | | | | 88 | 95 |
| Water | 76 | | | | | | | | | | | | | | | | | | 76 |
| White Pine | | | | | | | | | | | | | | 17 | | 49 | | | 66 |
| Total | 344 | 50 | 175 | 157 | 28 | 106 | | 28 | 17 | 69 | 84 | 109 | 1 | 46 | | 295 | | 95 | 1604 |

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Individual Compartment Report

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 21

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 | 423 | | | | | | | | | | | | | | | | | | | | | | | | | | 423 |
| S Black Spruce | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| C Cedar | | | | 437 | | | | | | | | | | | | | | | | | | | | | | | 437 |
| G Grass | | | | | 29 | | | | | | | | | | | | | | | | | | | | | | 29 |
| H Hemlock | | | | | | 24 | | | | | | | | | | | | | | | | | | | | | 24 |
| L LowInd Brush | | | | | | | | | 170 | | | | | | | | | | | | | | | | | | 170 |
| N Marsh | | | | | | | | | | | 58 | | | | | | | | | | | | | | | | 58 |
| Q Mx Swmp Cnfr | | | | | | | | | | | | 9 | | | | | | | | | | | | | | | 9 |
| B Paper Birch | | | | | | | | | | | | | | | 61 | | | | | | | | | | | | 61 |
| R Red Pine | | | | | | | | | | | | | | | | 80 | | | | | | | | | | | 80 |
| F Spruce Fir | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | 2 |
| E Swamp Hrdwds | | | | | | | | | | | | | | | | | | | 7 | 44 | | | | | | | 51 |
| T Tamarack | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | 6 |
| U Upland Brush | | | | | | | | | | | | | | | | | | | | | | | | 15 | | | 15 |
| M Upland Hdwds | | | | | | | | | | | | | | | | | | | | | | | | 95 | | | 95 |
| Z Water | | | | | | | | | | | | | | | | | | | | | | | | | 76 | | 76 |
| W White Pine | | | | | | | | | | | | | | | | | | | | | | | | | | 66 | 66 |
| Total | 423 | 2 | | 437 | 29 | 24 | | | 170 | | 58 | 9 | | | 61 | 80 | | | 9 | 44 | 6 | | 15 | 95 | 76 | 66 | 1604 |

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

CHEBOYGAN COUNTY

COMPARTMENT: 21

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

| COMPARTMENT SUMMARY | | | |
|-------------------------|-----------|-----------------------------|---------|
| TOTAL VOLUME | | CUT VOLUME | |
| Hardwood | 4752 Cds | Hardwood | 810 Cds |
| Hardwood | 271 Mbf | Hardwood | 35 Mbf |
| Softwood | 5736 Cds | Sum CutVol | 880 Cds |
| Softwood | 1449 Mbf | | |
| Sum TotVol | 13928 Cds | | |
| Total Cmpt Acres | | Acres Proposed For Cut..... | 34 |
| 1604 | | | |

PIGEON RIVER COUNTRY MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 21

Entry Year: 2008

| Stand | Cover Type | Acres | Age | Site Index | Mgt Obj | Condition | Method Cut | Harvest Priority | Cultural Need | FDF Status |
|---|------------|-------|-----|------------|----------------|------------|---------------|------------------|---------------------|------------|
| 32 | U0 | 10 | | | upland brush | nonstocked | | 0 | opening maintenance | |
| comnts Fmd : OPENING IS FILLING IN WITH TAG ALDER - HCP RUNS THRU. Old homestead site. Proposed cut with Hydroaxe to clean tag alder out. | | | | | | | | | | |
| 48 | A6 | 34 | 41 | 70 | aspen (upland) | immature | final harvest | 1 | | |

Total Acres..... 44

**Proposed Treatments
With Limiting Factors**

Compartment: 21

Entry Year: 2008

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

TREATMENT LIMITING FACTORS:

Total Acres..... 0

