



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 73 ENTRY YEAR: 2007

Compartment Acreage: 1132 County: Roscommon

Revision Date: 10-15-2005

Stand Examiner: G. Taurence and J. Hartman

Legal Description: T23N R4W sections 4 and 9

RMU (if applicable): Not Applicable

Management Goals: Provide accurate data for forest and wildlife planning in the Deadstream Swamp and Houghton Lake Flats vicinity.

Soil and Topography: Soils are composed of Grayling sand, Saugatuck sand, and Rifle peat. Digitized Kotar types are dominated by wetland, but include PARVCo, and very small inclusions of PARVHa. Pre-settlement forest was dominated by mixed conifer swamp, shrub swamp, emergent marsh, and mixed hardwood swamp.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is all state land except for the nwne and nenw of section 9. These two quarters contain subdivisions with small parcels and canals accessing the Muskegon River.

Unique, Natural Features: Blanding's turtle, osprey, eagle, secretive locust, Least bittern, common moorhen, black tern, and rainbow mussel are in the vicinity.

Archeological, Historical, and Cultural Features: The compartment contains some Archaic and Late Woodland Camps as well as some historic homesteads.

Special Management Designations or Considerations: All stands west of Mead / Higgins Lake Rd. are within the Deadstream Swamp as dedicated June 1, 1967. Forest certification guidelines have now dedicated it a High Conservation Value Area and the boundaries and management will be examined through the biodiversity planning process.

Watershed and Fisheries Considerations: The compartment contains a small lake that used to be or may currently be in use as a walleye rearing pond. Panfish were formerly planted at the handicapped access point in Houghton Lake Flats.

Wildlife Habitat Considerations: The southeast portion of the compartment contains Houghton Lake Flats which is currently being managed as marshland and provides excellent waterfowl habitat. The forested lowland types provide good habitat for deer, grouse, woodcock, bear, and bobcat.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of peat, muck, glacial outwash sand, gravel, and postglacial alluvium. The glacial drift thickness varies between 400

and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum elsewhere in the State. Most of the nearby gravel pits are associated with upland areas. There are no uplands areas near here and gravel potential appears to be limited. Enterprise Field is located two miles to the southwest. The field has produced over 4.7 million BO primarily from the Devonian Richfield Formation. It is in secondary recovery operations currently. The Compartment is not currently leased.

Vehicle Access: Access is poor. Mead Rd. is used to access the subdivision. Higgins Lake Rd. can be used to access the compartment from the north or south side.

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: There is an interpretive trail surrounding the pond. The part of Higgins Lake Rd. that bisects this compartment is seasonal and is used as a snowmobile trail. A snowmobile bridge crosses the Muskegon, but vehicular traffic needs to drive around. Excellent hunting opportunities exist throughout the compartment.

Fire Protection: This compartment has poor access. Muck fires could be problematic. There is some overmature high water table type jack pine surrounding the subdivision. However, the understory in these stands is primarily red maple and the canopy is not contiguous. These stands were not prescribed due to their small size and lack of good access.

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**

10/27/2005 2:37:54 PM

Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: 73

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 |
| G Grass | | | | | 27 | | | | | | | | | | | | | | | | | | | | | | 27 |
| J Jack Pine | | | | | | | 40 | | | | | | | | | | | | | | | | | | | | 40 |
| L Lowlnd Brush | | | | | | | | | 21 | | | | | | | | | | | | | | | | | | 21 |
| N Marsh | | | | | | | | | | | 336 | | | | | | | | | | | | | | | | 336 |
| Q Mx Swmp Cnfr | | | | | | | | | | | | 203 | | | | | | | | | | | | | | | 203 |
| E Swamp Hrdwds | | | | | | | | | | | | | | | | | | | | 244 | | | | | | | 244 |
| D Treed Bog | | | | | | | | | | | | | | | | | | | | | | | 6 | | | | 6 |
| U Upland Brush | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | 6 |
| Z Water | | | | | | | | | | | | | | | | | | | | | | | | | 26 | | 26 |
| Total | 223 | | | | 27 | | 40 | | 21 | | 336 | 203 | | | | | | | | 244 | | 6 | 6 | | 26 | | 1132 |

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **73**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

| COMPARTMENT SUMMARY | | | |
|-------------------------|----------|-----------------------------|---------|
| TOTAL VOLUME | | CUT VOLUME | |
| Hardwood | 2079 Cds | Hardwood | 122 Cds |
| Hardwood | 441 Mbf | Hardwood | 31 Mbf |
| Softwood | 2248 Cds | Softwood | 612 Cds |
| Softwood | 201 Mbf | Sum CutVol | 796 Cds |
| Sum TotVol | 5611 Cds | | |
| Total Cmpt Acres | | Acres Proposed For Cut..... | |
| 1132 | | 0 | |

**Proposed Treatments
With NO Limiting Factors**

Compartment: 73

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: 73

Entry Year: 2007

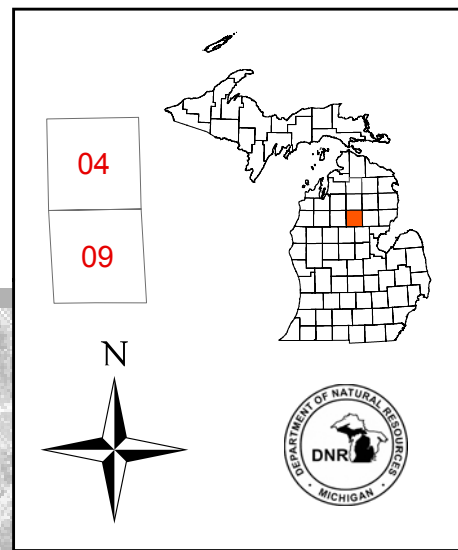
| Stand | Cover Type | Acres | Age | Site Index | Mgt Obj | Condition | Method Cut | Harvest Priority | Cultural Need | FD Status |
|--------------|-----------------------|--------------|------------|-----------------------|--------------------|------------------|-----------------------|-----------------------------|--------------------------|-------------------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

TREATMENT LIMITING FACTORS:

Total Acres..... 0

Field Map

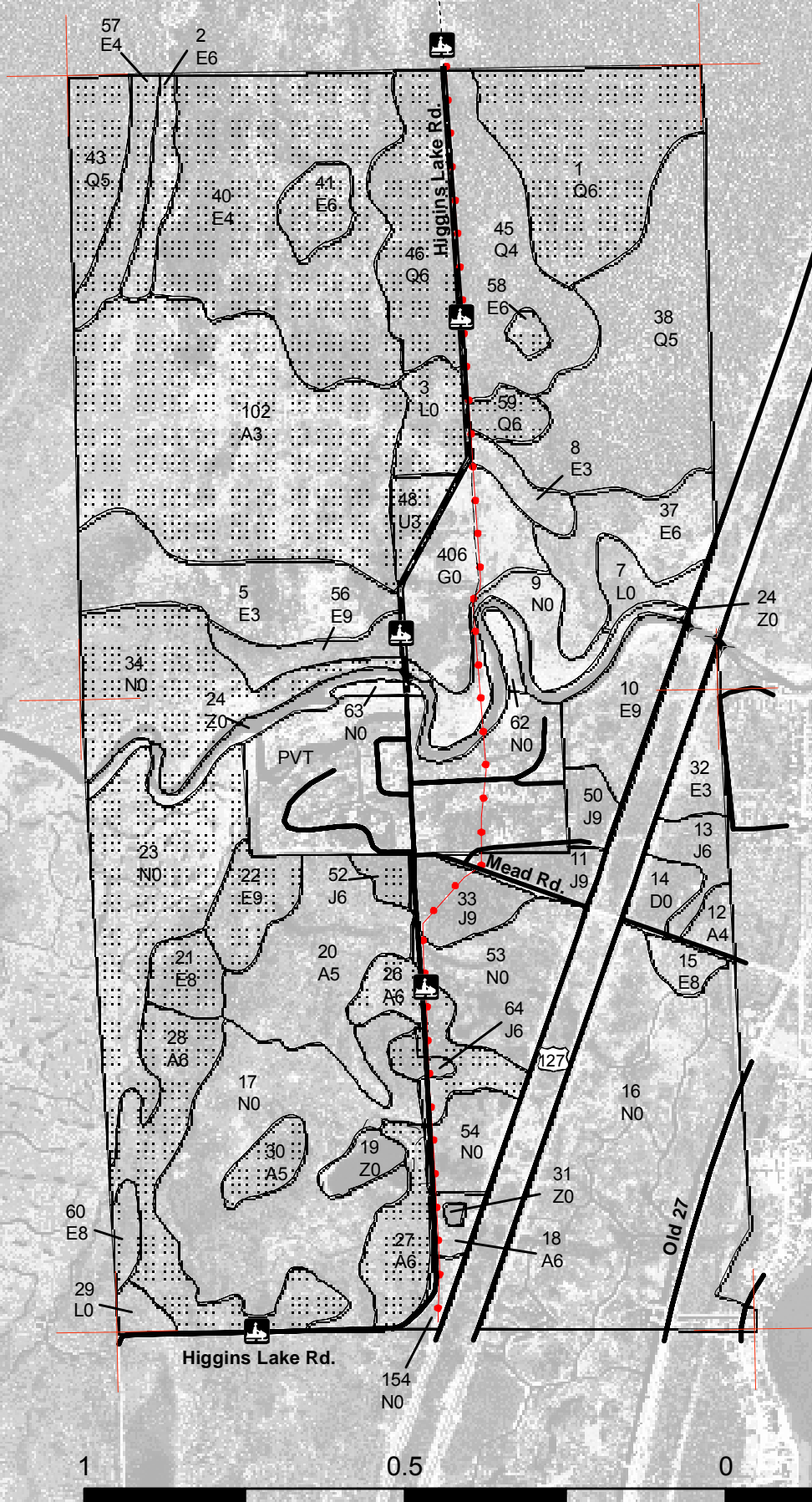
Compartment 73
 T23N, R4W, Sec. 4, 9
 County: Roscommon
 Unit: Roscommon
 YOE: 2007
 Acres: 1,132 GIS Calculated
 Stand Examiner:
 Glenn Taurence/Jason Hartman
 Map Revised: 10/20/2005
 Map Phase: Pre-review



Legend

- Miris Corners
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Trails
- Pipelines
- Bridges
- Snowmobile Trails
- U.S. Highway
- Stand Boundary
- Biodiversity/Old Growth Area
- Stand Join

Name County Paved Roads
Name Public Paved Roads



1 Miles