

## Cadillac Forest Management Unit COMPARTMENT REVIEW

COMPT. NO	RMU	KEY VALUE	REVIEW DATE
103	230	HAB/VEG	March 26, 2002
YOE	ACRES	COUNTY	REVISION DATE
2003	2145	MISSAUKEE	2/7/08

**Stand Examiner:** EISELE.UPDATED 2-7-08 BY BILL STERRETT

**Legal Description:** T21N, R5W, Sections 33,34,35,36.

1. **Soil Series:** Muck to sand.
2. **Terrain:** Flat to rolling. Lowlands, near river.
3. **Ownership Patterns, Development & Land Use:** Mostly blocked state land with scattered small private parcels. Compartment is bounded by Roscommon County to east and Clare County to south. Lands desirable for acquisition are T21N, R5W, Sec. 33 NESW, NWSE, NENE, Sec. 34 SWSW, Sec. 35 NESE, SESE Sec. 36, S&E of river.
4. **Unique, Natural Features:** The Muskegon River is in the SE portion of section 36. Kirtland Warbler plantings in Clare County to the south and in stand 111 in section 36. Potential for Goshawk and wood turtle in Muskegon river.  
For Michigan's Natural Features Inventory data click on the adjacent link [MNFI 2003.doc](#)
5. **Historical Features:** No features listed. The old townsite of Dolph was formerly a stage stop on route to Mackinaw.
6. **Special Management Considerations** Fire and timber access can be limited by the 3 ton bridge on Dolph road to the north. Limited access to south portion of sec. 33 due to beaver flooding. Some oak mortality still exists in small portions of section 34, scheduled to salvage. Natural features lists track sighting of Marten in 1996 within compartment. RED PINE PROJECT: PORTIONS OF STANDS 84(38AC), 86(78AC) AND 100(55AC) WILL BE FINAL HARVESTED WITH GREEN MARKED LEAVE TREES WITH A CONVERSION FROM RED PINE TO JACK PINE.
7. **Recreational Facilities & Opportunities:** Leota ORV trail runs through sections 34,35,36. The trail in section 33 is no longer "official" Some areas are also used as unmapped trails and sandpit is heavily used. Heavy hunting and camping use.
8. **Watershed & Fisheries Considerations:** Muskegon River. A cool water fishery exists for smallmouth bass, walleye, and northern pike. Fisheries Division stocks the Muskegon River with walleye.

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9. **Priority Wildlife Species:** Those species associated with a mixed upland forest. Species include coyote, fox, bear, bobcat, and raptors. (L.Smith 12/10/01)
10. **Habitat Objectives:** Fifty percent of this compartment falls within the Highplains Ecosystem, Grayling Outwash Plain Subsection, LTA 5111. Soils are deep, excessively drained, acidic soil. The other half of the compartment is in the Cadillac Subsection, LTA 3111 and 5149. Soils are deep, excessively drained, sands with low fertility. Historically, the area was composed of a matrix of dry-mesic, conifer forest, and mixed, lowland forests. The current RMU agreement calls for a loss in the oak and jack pine acreage with an increase in the aspen acreage. Current compartment data involving nine compartments shows an increase in the red pine/white pine acreage and major loss in the oak acreage. A large amount of oak has died as a result of old age, drought, and insect damage. The wildlife habitat objective is to maintain species and age-class diversity and to maintain and regenerate the oak component. (L.Smith 12/10/01)
11. **Oil & Gas Facilities--Concerns/Restrictions:** No development in compartment.
12. **Mineral Management Objectives:** Clare county gravel pit to south (Sec. 34) of compartment.  
Surface sediments consist of ice-contact and glacial outwash sand and gravel and post glacial alluvium. Glacial drift thickness varies between 400 and 800 feet. There is approximately 140 feet of relief within the compartment. Beneath the Glacial Drift is the Pennsylvanian Grand River and Saginaw Formations. The Saginaw is quarried for clay/shale in other parts of the State. A gravel pit is located just south of the compartment. Gravel potential is considered good especially the upland areas. The compartment is located three miles east of Cranberry Lake Field. The field is a Stray Sandstone gas storage area (7.7 Bcf) and a Richfield secondary recovery operation (1.7 MBO). There are no State leases currently, but there may be potential. By Tom Hoane.
13. **Roads & Bridges:** Janesville Bridge to south and Lowe Bridge to north are both 3-ton bridges.  
A forest road access plan is detailed on the compartment map. Identified are state and county roads as well as forest roads and trails under the jurisdiction of the DNR. Also indicated are forest roads and trails under the jurisdiction of the DNR that are proposed for abandonment. These roads have been determined to be in excess of our access needs, are a threat to the resources, or are a concern environmentally.  
Proposed new roads or roads recommended for substantial improvement are noted below:

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14. **Survey Needs:** Corners adequate.
15. **Proposed Treatments:** See the attached treatment list.

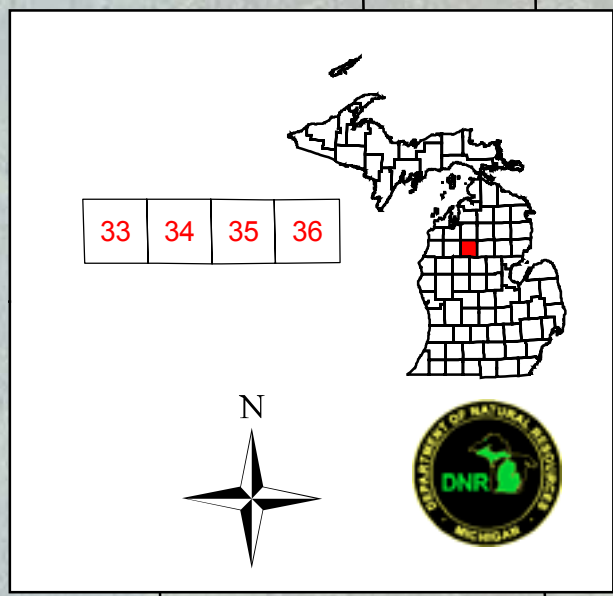
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
86	R6	78	67	48	jack pine	mature	final harvest	1	natural regeneration	

comnts Fmd : Final harvest, protect all regeneration, Leave small island. Release J3 understory.

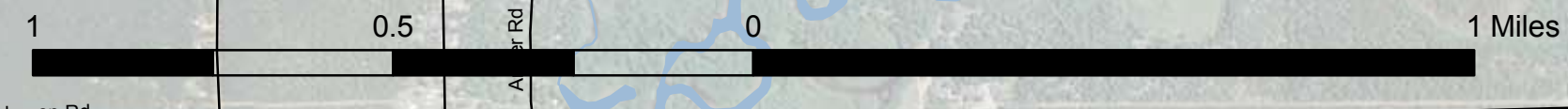
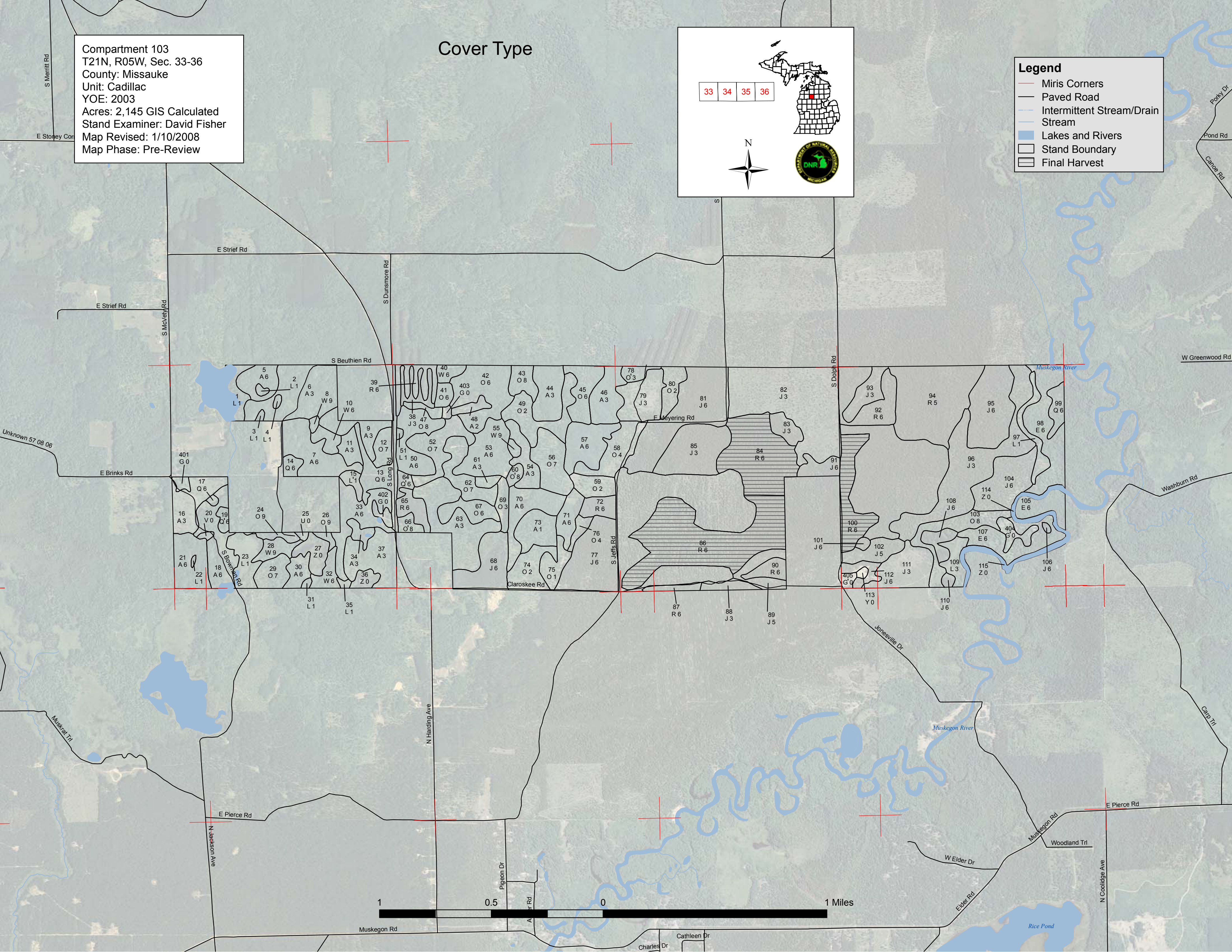
Total Acres..... 78

Compartment 103  
 T21N, R05W, Sec. 33-36  
 County: Missauke  
 Unit: Cadillac  
 YOY: 2003  
 Acres: 2,145 GIS Calculated  
 Stand Examiner: David Fisher  
 Map Revised: 1/10/2008  
 Map Phase: Pre-Review

# Cover Type

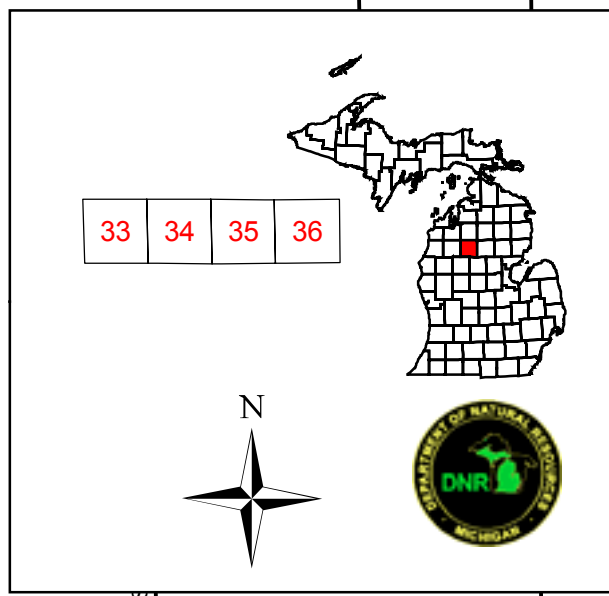


- Legend**
- Miris Corners
  - Paved Road
  - Intermittent Stream/Drain
  - Stream
  - Lakes and Rivers
  - Stand Boundary
  - Final Harvest

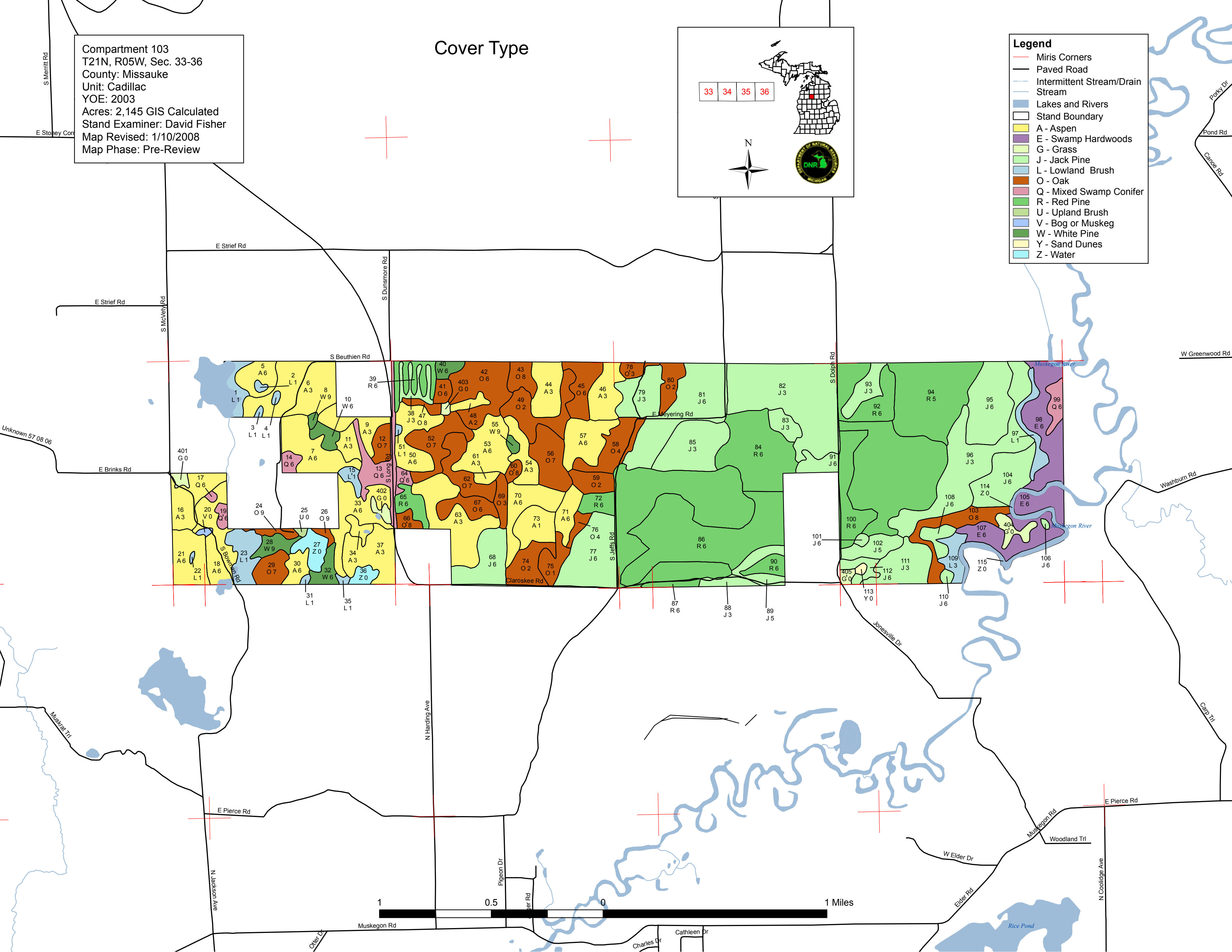


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  - Stand Boundary
  - A - Aspen
  - E - Swamp Hardwoods
  - G - Grass
  - J - Jack Pine
  - L - Lowland Brush
  - O - Oak
  - Q - Mixed Swamp Conifer
  - R - Red Pine
  - U - Upland Brush
  - V - Bog or Muskeg
  - W - White Pine
  - Y - Sand Dunes
  - Z - Water



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# Treatment

33 34 35 36



**Legend**

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