



**ATLANTA FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT #112 ENTRY YEAR: 2011**

**Compartment Acreage: 1161 (GIS)**

**County: Alpena**

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**Revision Date:** February 9, 2009

**Stand Examiner:** Robert Theiner

**Legal Description:** T-32-N, R-6-E, Sections 22, 23, 26, 27, 34 and 35

**Management Goals:** The main goal in this compartment is to conduct multiple resource management for the good of the citizens of the State of Michigan. Swamp conifer and swamp aspen are the largest timber components in this compartment, very little upland exist in this compartment. Access to the ridges is mostly restricted due to wet soils.

**Soil and Topography:** Level with sand ridges, these ridges support upland vegetation.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Hunting camps are mostly located in the center of the compartment adjacent to state lands. Farms to the west. Some year round residences on Graham and Fitzpatrick Roads.

**Unique, Natural Features:** None reported.

**Archeological, Historical, and Cultural Features:** Potential exists in several locations

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:** The area is wet but no streams are listed.

**Wildlife Habitat Considerations and Objectives:** This compartment has value for marsh, swamp, bog, and lowland-brush associated wildlife species. Lowland-dominated compartments like this one provide ample habitat for amphibians, reptiles, and small mammals, which contribute to the prey base for other reptile, bird, and mammal species. Thus this compartment plays an important role in the food web and is critical to maintaining a diverse community of species. The diversity of lowland types in this compartment results in significant value for a wide variety of reptiles, amphibians, waterfowl, raptors, wood peckers, small mammals, furbearers, and large mammals.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of lacustrine (lake) sand & gravel and some coarse-textured till. The glacial drift thickness varies between 0 and 10 feet. Beneath the glacial drift is the Devonian Traverse Group. The Traverse is quarried for limestone and cement products elsewhere in the County. A gravel pit is located in Section 21, and there may be some potential on the upland areas. This area has had limited drilling for oil and gas. The Antrim Shale is gone in this area and production is unlikely. State leases are located one mile to the southeast of the Compartment.

**Vehicle Access:** Graham Road along the east boundary and Long Rapids Road along the south are the main access roads. The New Addition Truck Trail accesses state lands in section 23.

**Survey Needs:** Stands that are only accessible through private lands are in need of a survey.

**Recreational Facilities and Opportunities:** The New Addition Truck Trail and the north portion of Graham Road (north of Fitzpatrick Road) is also a snowmobile connector trail

**Fire Protection:**

➤ **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: 112

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        |            |     |       |           | 20        | 31        |           | 6         | 12         |            |           |           |           |            |         |         |         |          | 69          |
| Bog or Marsh | 136        |     |       |           |           |           |           |           |            |            |           |           |           |            |         |         |         |          | 136         |
| Cedar        |            |     |       |           |           |           |           |           |            |            | 23        |           | 42        | 9          |         |         |         |          | 74          |
| Jack Pine    |            |     |       |           |           |           |           | 5         | 9          |            |           |           |           |            |         |         |         |          | 14          |
| Lowlnd Brush | 322        |     |       |           |           |           |           |           |            | 59         |           |           |           |            |         |         |         |          | 381         |
| Lowlnd Poplr |            |     |       | 11        | 16        | 65        | 6         | 12        | 45         | 9          |           |           |           |            |         |         |         |          | 164         |
| Marsh        | 5          |     |       |           |           |           |           |           |            |            |           |           |           |            |         |         |         |          | 5           |
| Mx Swmp Cnfr |            |     |       |           |           |           |           |           | 12         | 47         | 8         | 16        |           |            |         |         |         |          | 83          |
| Non Stocked  | 6          |     |       |           |           |           |           |           |            |            |           |           |           |            |         |         |         |          | 6           |
| Red Pine     |            |     |       |           |           |           |           |           | 43         |            |           |           |           |            |         |         |         |          | 43          |
| Spruce Fir   |            |     |       |           |           |           |           |           |            |            | 4         |           |           |            |         |         |         |          | 4           |
| Swamp Hrdwds |            |     |       | 2         | 11        |           |           |           | 7          |            |           |           |           |            |         |         |         |          | 20          |
| Tamarack     |            |     |       |           |           |           | 28        |           | 4          |            |           |           |           | 111        |         |         |         |          | 143         |
| Upland Brush | 10         |     |       |           |           |           |           |           |            |            |           |           |           |            |         |         |         |          | 10          |
| Upland Hdwds |            |     |       |           |           |           |           |           |            |            |           |           |           |            |         |         |         | 5        | 5           |
| White Pine   |            |     |       |           |           |           |           |           | 4          |            |           |           |           |            |         |         |         |          | 4           |
| <b>Total</b> | <b>479</b> |     |       | <b>13</b> | <b>47</b> | <b>96</b> | <b>34</b> | <b>23</b> | <b>136</b> | <b>115</b> | <b>35</b> | <b>16</b> | <b>42</b> | <b>120</b> |         |         |         | <b>5</b> | <b>1161</b> |

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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: 112

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        | 69 |   |     |    |   |   |    |   |     |     |   |    |   |   |    |   |   |   |   |    |     |     |   |    |   |   | 69    |      |
| V Bog or Marsh |    |   | 136 |    |   |   |    |   |     |     |   |    |   |   |    |   |   |   |   |    |     |     |   |    |   |   | 136   |      |
| C Cedar        |    |   |     | 74 |   |   |    |   |     |     |   |    |   |   |    |   |   |   |   |    |     |     |   |    |   |   | 74    |      |
| J Jack Pine    |    |   |     |    |   |   | 14 |   |     |     |   |    |   |   |    |   |   |   |   |    |     |     |   |    |   |   | 14    |      |
| L Lowlnd Brush |    |   |     |    |   |   |    |   | 381 |     |   |    |   |   |    |   |   |   |   |    |     |     |   |    |   |   | 381   |      |
| P Lowlnd Poplr |    |   |     |    |   |   |    |   |     | 164 |   |    |   |   |    |   |   |   |   |    |     |     |   |    |   |   | 164   |      |
| N Marsh        |    |   |     |    |   |   |    |   |     |     | 5 |    |   |   |    |   |   |   |   |    |     |     |   |    |   |   | 5     |      |
| Q Mx Swmp Cnfr |    |   |     |    |   |   |    |   |     |     |   | 83 |   |   |    |   |   |   |   |    |     |     |   |    |   |   | 83    |      |
| X Non Stocked  |    |   |     |    |   |   |    |   |     |     |   |    | 6 |   |    |   |   |   |   |    |     |     |   |    |   |   | 6     |      |
| R Red Pine     |    |   |     |    |   |   |    |   |     |     |   |    |   |   | 43 |   |   |   |   |    |     |     |   |    |   |   | 43    |      |
| F Spruce Fir   |    |   |     |    |   |   |    |   |     |     |   |    |   |   |    |   |   |   | 4 |    |     |     |   |    |   |   | 4     |      |
| E Swamp Hrdwds |    |   |     |    |   |   |    |   |     |     |   |    |   |   |    |   |   |   |   | 11 |     |     |   |    |   | 9 | 20    |      |
| T Tamarack     |    |   |     |    |   |   |    |   |     |     |   |    |   |   |    |   |   |   |   |    |     | 143 |   |    |   |   | 143   |      |
| U Upland Brush |    |   |     |    |   |   |    |   |     |     |   |    |   |   |    |   |   |   |   |    |     |     |   | 10 |   |   | 10    |      |
| M Upland Hdwds |    |   |     |    |   |   |    |   |     |     |   |    |   |   |    |   |   |   |   |    |     |     |   |    | 5 |   | 5     |      |
| W White Pine   |    |   |     |    |   |   |    |   |     |     |   |    |   |   |    |   |   |   |   |    |     |     |   |    |   | 4 | 4     |      |
| <b>Total</b>   | 69 |   | 136 | 74 |   |   | 14 |   | 381 | 164 | 5 | 83 | 6 |   | 43 |   |   |   | 4 | 11 | 143 |     |   | 10 | 5 |   | 13    | 1161 |

MACKINAW STATE FOREST

ATLANTA FOREST MGT UNIT

ALPENA COUNTY

COMPARTMENT: **112**

**Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

| COMPARTMENT SUMMARY     |          |                             |          |
|-------------------------|----------|-----------------------------|----------|
| TOTAL VOLUME            |          | CUT VOLUME                  |          |
| Hardwood                | 2316 Cds | Hardwood                    | 954 Cds  |
| Hardwood                | 13 Mbf   | Hardwood                    | 8 Mbf    |
| Softwood                | 2919 Cds | Softwood                    | 93 Cds   |
| Softwood                | 532 Mbf  | Sum CutVol                  | 1063 Cds |
| Sum TotVol              | 6325 Cds |                             |          |
| <b>Total Cmpt Acres</b> |          | Acres Proposed For Cut..... | 44       |
| 1161                    |          |                             |          |

**ATLANTA FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 112**    **Entry Year: 2011**

| Stand  | Cover Type | Acres     | Age | Site Index | Mgt Obj   | Condition | Method Cut    | Harvest Priority | Cultural Need | FDF Status |  |
|--|------------|-----------|-----|------------|---|-----------|---------------|------------------|---------------|------------|--|
| <b>19</b>  | <b>A6</b>  | 17        | 47  | 60         | aspen (upland)                                    | mature    | final harvest | 1                |               |            |  |
| comnts Fmd : All the Jack pine in this stand (from 10 years ago) has died. Any mixture of aspen/oak and conifer is acceptable regeneration.  |            |           |     |            |   |           |               |                  |               |            |  |
| <b>33</b>  | <b>A6</b>  | 6         | 58  | 70         | aspen (upland)                                    | mature    | final harvest | 1                |               |            |  |
| comnts Fmd : WEST EDGE SEMI OPEN WITH SCATTERED SPRUCE. SOME TRASH DUMPING. Close trail with timbersale. Some white birch, balsam fir, spruce, leave conifer. Any mixture of aspen/oak and conifer is acceptable regeneration. |            |           |     |            |   |           |               |                  |               |            |  |
| <b>54</b>  | <b>P6</b>  | 5         | 79  | 56         | balsam poplar & swamp aspen and swamp white birch | mature    | final harvest | 2                |               |            |  |
| comnts Fmd : Some conifer (balsam Fir/white pine), 99=ironwood and red maple. Any mixture of aspen/oak and conifer is acceptable regeneration.   |            |           |     |            |   |           |               |                  |               |            |  |
| <b>64</b>  | <b>P6</b>  | 4         | 79  | 56         | balsam poplar & swamp aspen and swamp white birch | mature    | final harvest | 2                |               |            |  |
| comnts Fmd : Any mixture of aspen/oak and conifer is acceptable regeneration.  |            |           |     |            |   |           |               |                  |               |            |  |
| <b>Total Acres.....</b>  |            | <b>32</b> |     |            |   |           |               |                  |               |            |  |

| Stand | Cover Type | Acres | Age | Site Index | Mgt Obj   | Condition | Method Cut    | Harvest Priority | Cultural Need | FDI Status |
|-------|------------|-------|-----|------------|---|-----------|---------------|------------------|---------------|------------|
| 2     | P6         | 12    | 65  | 65         | balsam poplar & swamp aspen and swamp white birch | immature  | final harvest | 3                |               |            |

TREATMENT LIMITING FACTORS: Too wet

comnts Fmd : P5F4A2- LOTS OF 3-4 INCH SAPS, BALSAM ON EAST END, DIFFICULT TO GET TO. Any mixture of aspen/oak/birch and conifer is acceptable regeneration.

**Total Acres..... 12**

83°42'0"W

83°41'0"W

83°40'0"W

# Covertime & Treatment Map

Compartment 112

T32N, R06E, Sec. 22, 23, 26, 27, 34, 35

County: Alpena

Unit: Atlanta

YOE: 2011

Acres: 1,161 GIS Calculated

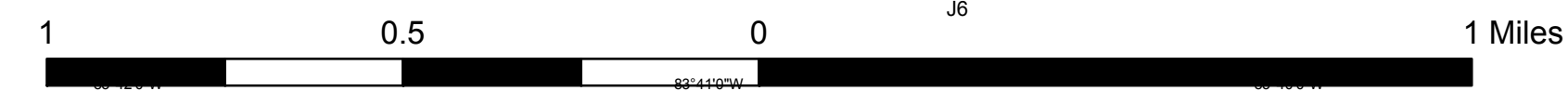
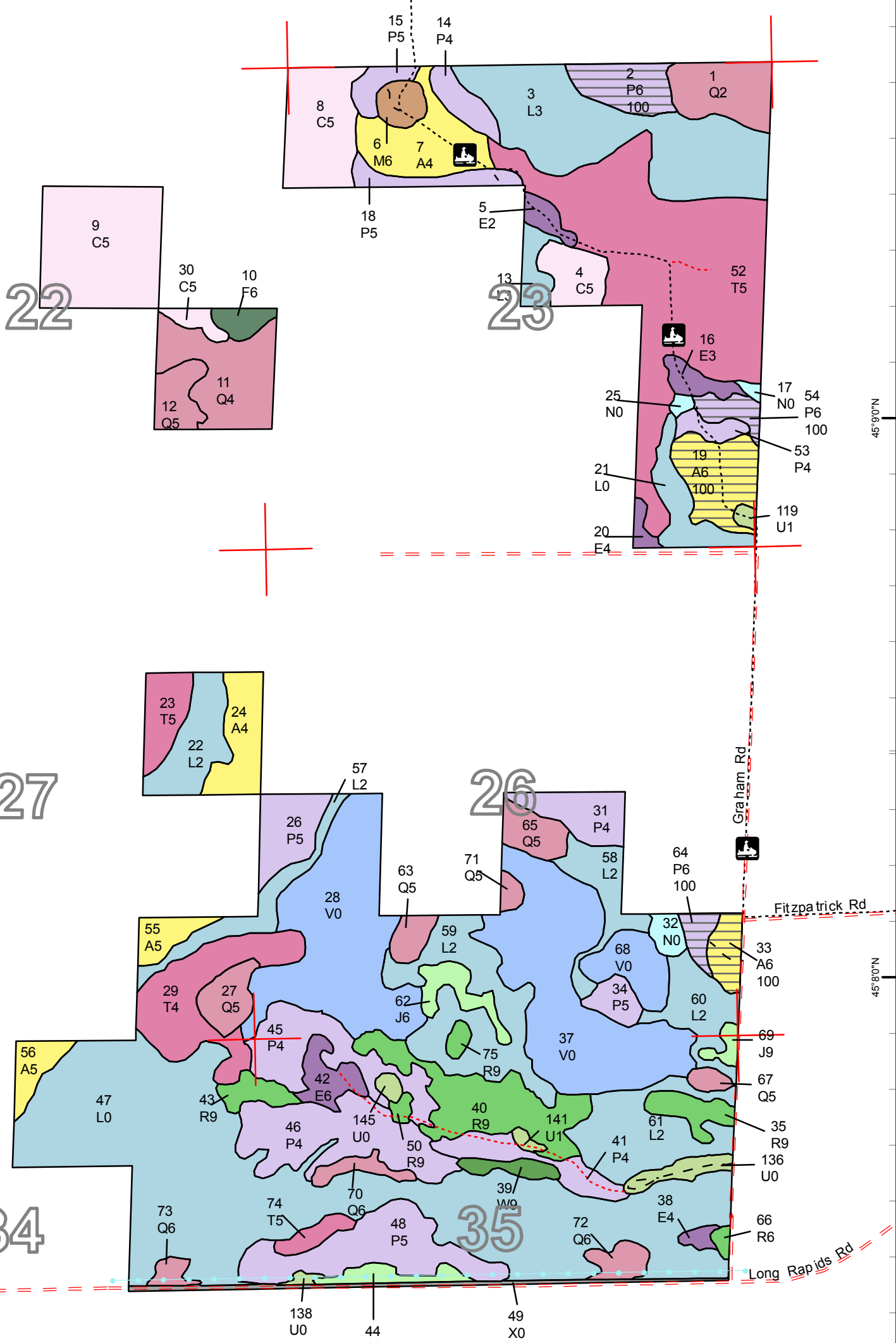
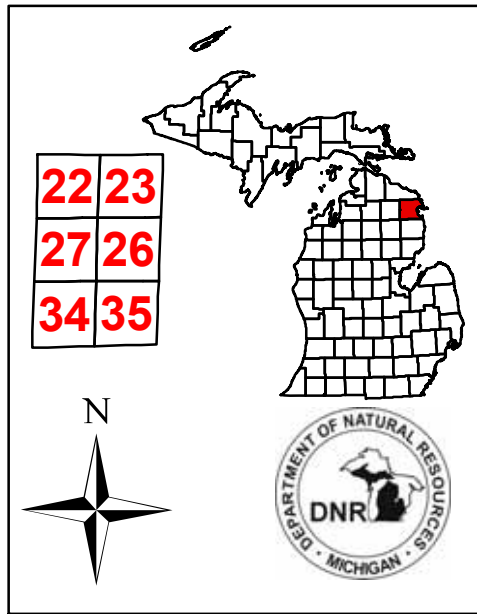
Stand Examiner: Robert Theiner

Map Revised: 2/11/2009

Map Phase: Pre-review

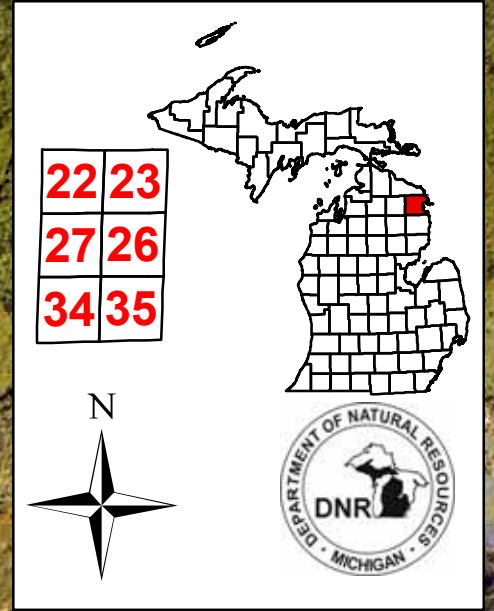
## Legend

- Miris Corners
- - - County Gravel Roads
- - - Poor Dirt Roads
- - - Closed Trails
- - - Snowmobile Trails
- Powerlines
- Snowmobile Trails
- Stand Boundary
- 100 - Final Harvest
- A - Aspen
- C - Northern White Cedar
- E - Swamp Hardwoods
- F - Upland Spruce or Fir
- J - Jack Pine
- L - Lowland Brush
- M - Northern Hardwoods
- N - Marsh
- P - Balsam Poplar, Swamp Aspen, Swamp White Birch
- Q - Mixed Swamp Conifers
- R - Red Pine
- T - Tamarack
- U - Upland Brush
- V - Bog or Muskeg
- W - White Pine
- X - Non-Stocked



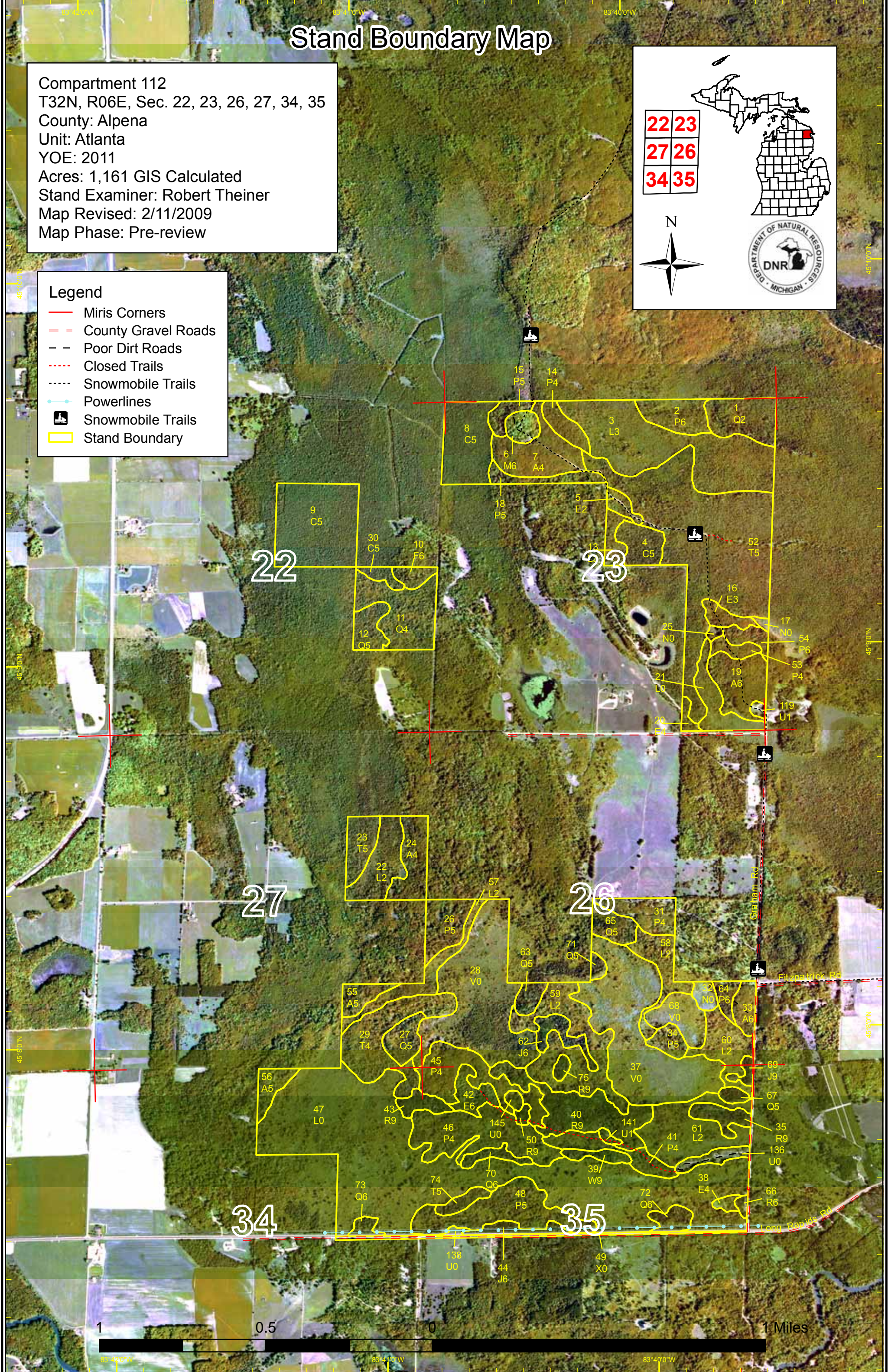
# Stand Boundary Map

Compartment 112  
 T32N, R06E, Sec. 22, 23, 26, 27, 34, 35  
 County: Alpena  
 Unit: Atlanta  
 YOE: 2011  
 Acres: 1,161 GIS Calculated  
 Stand Examiner: Robert Theiner  
 Map Revised: 2/11/2009  
 Map Phase: Pre-review



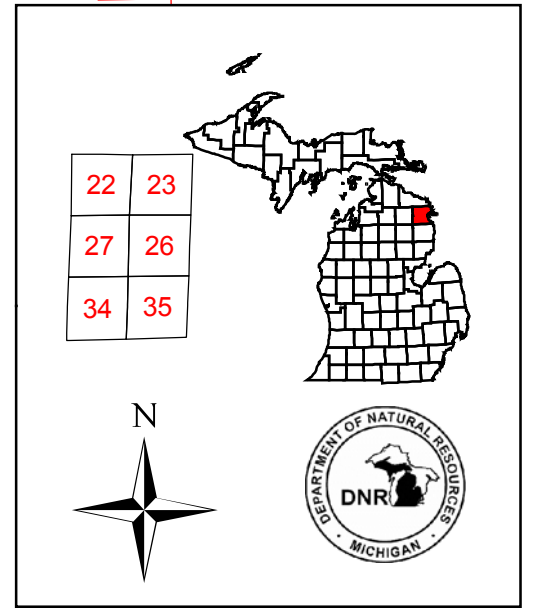
## Legend

- Miris Corners
- - County Gravel Roads
- - Poor Dirt Roads
- - - - Closed Trails
- - - - Snowmobile Trails
- Powerlines
- Snowmobile Trails
- Stand Boundary

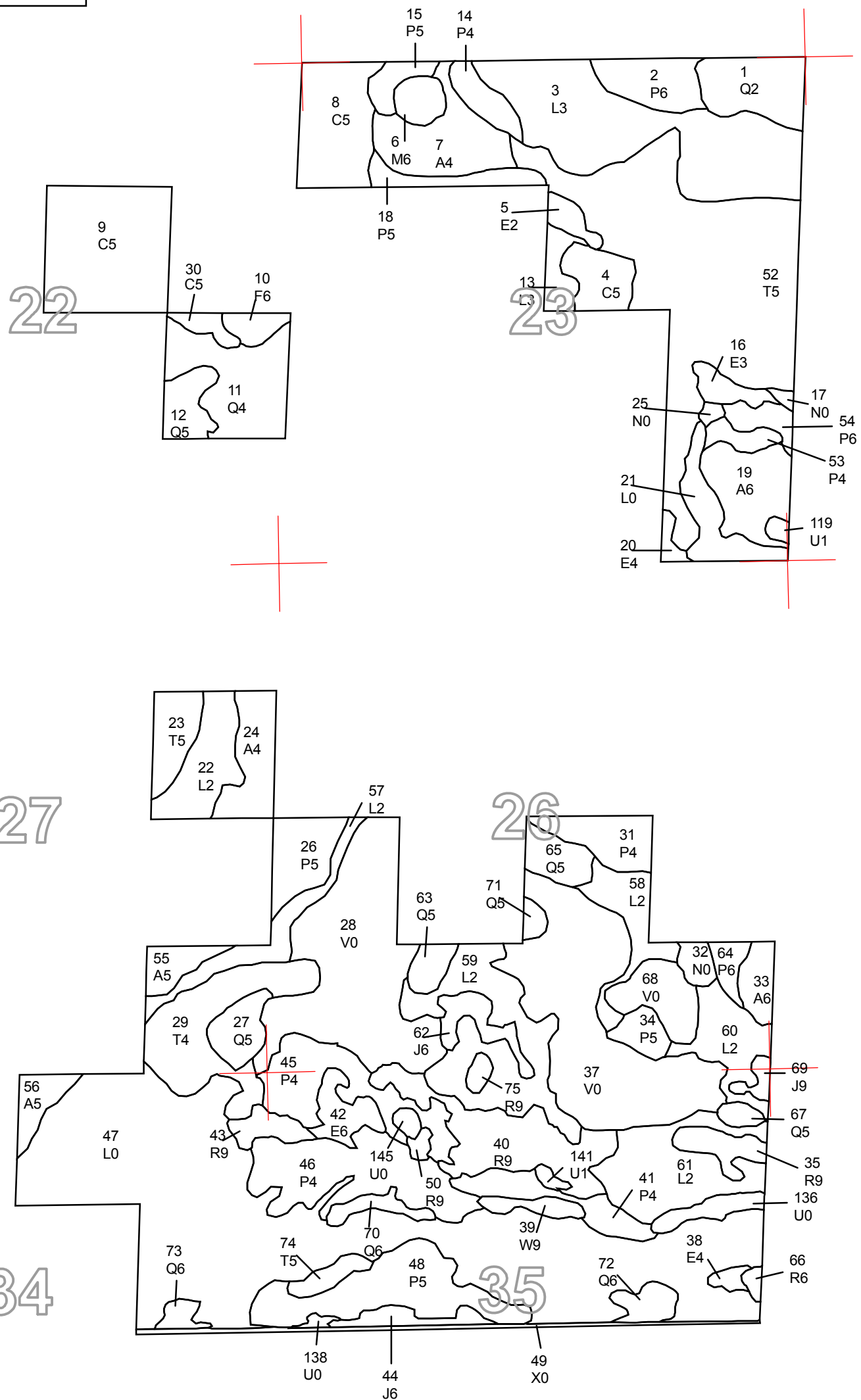


# Dedicated & Proposed Special Conservation Area Map

Compartment 112  
 T32N, R06E, Sec. 22, 23, 26, 27, 34, 35  
 County: Alpena  
 Unit: Atlanta  
 YOE: 2011  
 Acres: 1,161 GIS Calculated  
 Stand Examiner: Robert Theiner  
 Map Revised: 2/11/2009  
 Map Phase: Pre-review



**Legend**  
 — Miris Corners  
 □ Stand Boundary



83°41'0"W 83°40'0"W 83°39'0"W

45°10'0"N

45°9'0"N

45°8'0"N

45°10'0"N

45°9'0"N

45°8'0"N



### DEDICATED CONSERVATION AREA DETAILS

\* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

ERA = Ecological Reference Area  
HCVA = High Conservation Value Area  
SCA = Special Conservation Area

| <b>Conservation Area</b> | <b>Type</b> | <b>Description</b> |
|--------------------------|-------------|--------------------|
|--------------------------|-------------|--------------------|

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