



**GAYLORD FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT: 156**

**ENTRY YEAR: 2010**  
**Compartment Acreage: 968**  
**County: Cheboygan**

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**Revision Date:** 4/9/2008

**Stand Examiner:** Shannon Harig

**Legal Description:** T33N R03W Sections 10,11,14,15

**Management Goals:** To provide for the protection, integrated management and responsible use of a healthy, productive and undiminished forest resource base for the social, recreational, environmental and economic benefit of the State of Michigan.

**Soil and Topography:** Rubicon-East Lake Association. Topography is rolling.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** There is a lot of residential development in the area.

**Unique, Natural Features:** None

**Archeological, Historical, and Cultural Features:** None known.

**Special Management Designations or Considerations:** None

**Watershed and Fisheries Considerations:** This compartment contains Silver Lake, West Branch Sturgeon River, Allen Creek, and Marl Creek. All three streams are designated trout streams. Silver Lake is a Type B trout lake, while all three streams have Type 1 trout stream regulations in this reach. A 300 foot buffer (no clear-cut) should be maintained along these streams.

**Wildlife Habitat Considerations:** This compartment consists mostly of upland areas with a small amount of lowland/wetland along Allen Creek and a feeder tributary to the West Branch of the Sturgeon River. Both of these areas provide good habitat for bear, otter, beaver, and various amphibians. Waterfowl seasonally use these areas with some nesting by Canada Geese, mallards, and wood ducks. The upland area of this compartment consists mostly of upland hardwoods and aspen that are utilized by grouse, woodcock, turkey, deer, and elk. Stands 22, 46, and 52 are going to be clear cut to maintain various age-classes of early successional habitat.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of coarse-textured till and ice contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 400 feet. The Devonian Antrim Shale and Traverse Group subcrop below the glacial drift. The Antrim and Traverse are quarried for cement products and stone elsewhere in the State. Gravel pits are located in Section 10 & 13 and there is very good potential. The nearest oil and gas production, the Antrim Shale gas play, is located to the south. Some of the State lands in Sections 13 and 14 are leased.

**Vehicle Access:** Good access to most of the compartment.

**Survey Needs:** Approximately 1 mile of line needed.

**Recreational Facilities and Opportunities:** There are snowmobile and ORV trails in the compartment.

**Fire Protection:**

**Additional Compartment Information:**

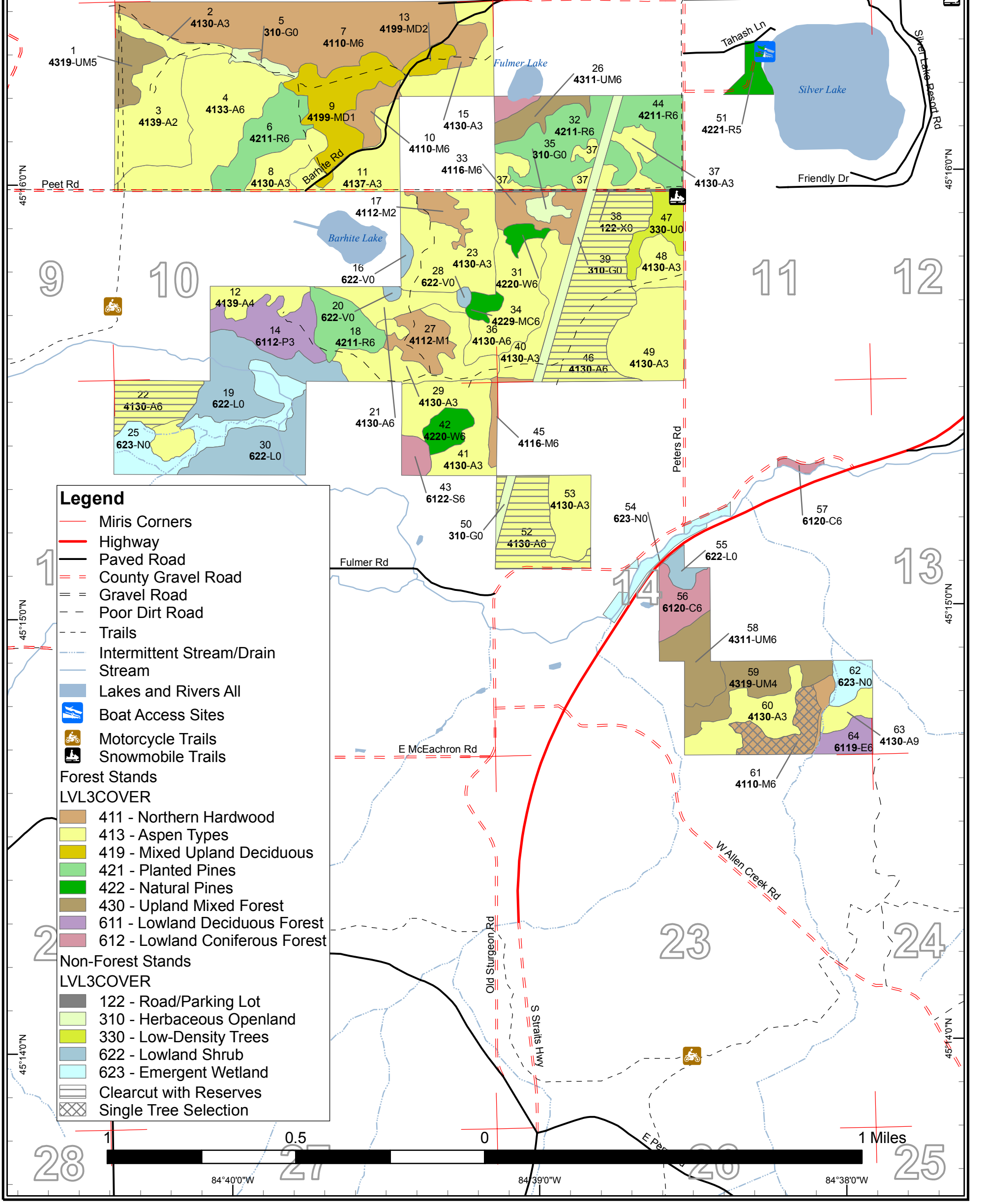
- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
  - ◆ **Cover Type by Age Class**
  - ◆ **Cover Type by Management Objective**
  - ◆ **Compartment Volume Summary**
  - ◆ **Proposed Treatments – No Limiting Factors**
  - ◆ **Proposed Treatments – With Limiting Factors**
  
- **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**

# Cover Type & Treatment Map

Compartment 156  
 T33N, R03W, Sec. 10, 11, 14, 15  
 County: Cheboygan  
 Unit: Gaylord  
 YOE: 2010  
 Acres: 968 GIS Calculated  
 Stand Examiner: Shannon Harig  
 Map Revised: 6/04/2008  
 Map Phase: Review

Stand #  
 (23)  
 (4120) - A7  
 Level 3 OI  
 Level 4 Code  
 Cover Type Code

10	11
15	14



### Legend

- Miris Corners
- Highway
- Paved Road
- County Gravel Road
- Gravel Road
- Poor Dirt Road
- Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers All
- Boat Access Sites
- Motorcycle Trails
- Snowmobile Trails

### Forest Stands

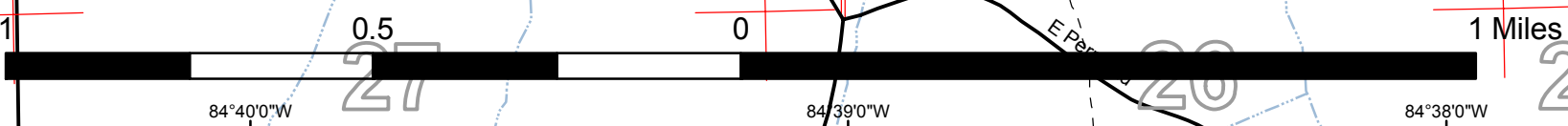
LVL3COVER

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

### Non-Forest Stands

LVL3COVER

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Clearcut with Reserves
- Single Tree Selection





84°40'0"W

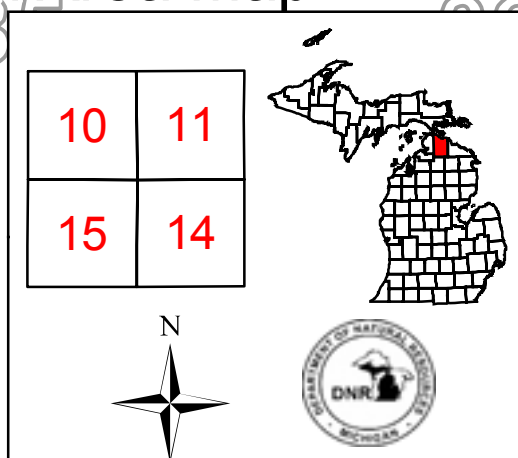
84°39'0"W

84°38'0"W

# Dedicated & Proposed Special Conservation Area Map

Compartment 156  
 T33N, R03W, Sec. 10, 11, 14, 15  
 County: Cheboygan  
 Unit: Gaylord  
 YOE: 2010  
 Acres: 968 GIS Calculated  
 Stand Examiner: Shannon Harig  
 Map Revised: 6/04/2008  
 Map Phase: Review

Stand #      Stocking  
 Density  
 (412)0 - A7  
 Level 3      OI  
 Level 4      Code  
 Cover Type Code

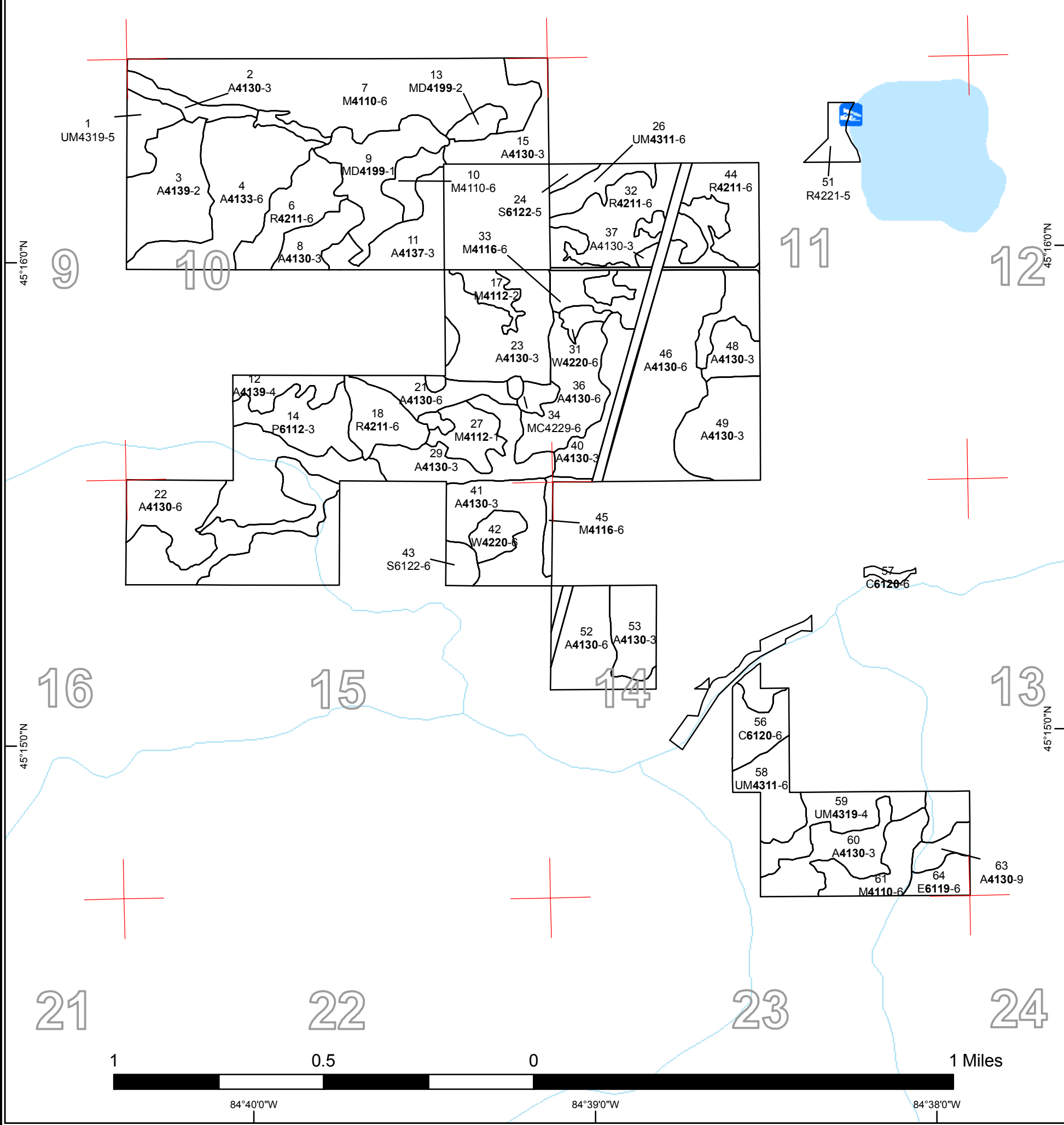


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- Legend**
- Miris Corners
  - Boat Access Sites
  - Cold Water Streams
  - Cold Water Lakes
  - Stands



45°17'0"N

45°16'0"N

45°15'0"N

45°17'0"N

45°16'0"N

45°15'0"N



84°40'0"W

84°39'0"W

84°38'0"W

## Covertypes, Acres, and Age summary (Level 3 Cover Type)

Gaylord Mgt. Unit

Compartment 156 Year of Entry 2010

Report Date: 06/04/2008



	Age Class															Total
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +	Uneven Age	
Aspen Types	0	97.3	82.5	84.4	33.6	0	34.3	105.0	0	27.0	0	0	0	0	0	464.2
Emergent Wetland	43.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43.5
Herbaceous Openland	21.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21.0
Low-Density Trees	10.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.2
Lowland Coniferous Forest	0	0	0	0	0	3.2	0	0	0	6.4	0	0	0	11.3	0	20.8
Lowland Deciduous Forest	0	0	0	19.1	0	0	7.1	0	0	0	0	0	0	0	0	26.3
Lowland Shrub	60.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60.0
Mixed Upland Deciduous	0	26.7	0	0	4.9	0	0	0	0	0	0	0	0	0	0	31.6
Natural Pines	0	0	0	0	0	10.5	3.4	7.0	0	0	0	0	0	0	0	20.9
Northern Hardwood	0	0	11.5	6.5	0	0	0	80.5	26.1	11.2	0	0	0	0	0	135.8
Planted Pines	0	0	0	0	0	81.4	0	0	0	0	0	0	0	0	0	81.4
Road/Parking Lot	2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.0
Upland Mixed Forest	0	0	0	0	9.8	0	33.1	8.4	0	0	0	0	0	0	0	51.2
<b>Total</b>	<b>136.7</b>	<b>124.0</b>	<b>94.0</b>	<b>110.1</b>	<b>48.3</b>	<b>95.0</b>	<b>78.0</b>	<b>200.9</b>	<b>26.1</b>	<b>44.6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11.3</b>	<b>0</b>	<b>968.9</b>

**PROPOSED TREATMENTS  
NO LIMITING FACTORS**



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
22 52156022-Cut	15.7	4130 - Aspen	High Density Pole	81	Harvest	Clearcut with Reserves	Aspen

Rev  
Cmnt:

Rev Clearcut with reserves. The small island on the south side of the stand will make a good retention area.  
Spec

Next  
Steps: Regeneration survey in 4 years. A mix of aspen, Red Maple and Balsam Fir is acceptable regen.

46 52156046-Cut	51.2	4130 - Aspen	High Density Pole	62	Harvest	Clearcut with Reserves	Aspen
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Rev  
Cmnt:

Rev Clearcut with reserves. Leave white pine and uncut island to serve as retention.  
Spec

Next  
Steps: Regeneration survey in 4 years. Aspen, maple, Balsam Fir and White Pine are acceptable regeneration.

52 52156052-Cut	22.7	4130 - Aspen	High Density Pole	59	Harvest	Clearcut with Reserves	Aspen
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Rev  
Cmnt:

Rev Clearcut with reserves. Leave uncut island to serve as retention.  
Spec

Next  
Steps: Regeneration survey in 4 years. Aspen, maple and Balsam Fir are acceptable regen.

61 52156061-Cut	12.2	4110 - Sugar Maple Association	High Density Pole	77	Harvest	Single Tree Selection	Sugar Maple Association
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Rev  
Cmnt: Delay harvest until 2011 YOE and harvest with adjacent stand in adjacent compartment (Comp 158, 2011 YOE) if it is prescribed for harvest. This would make access easier and increase marketability with the added acreage.

Rev  
Spec Thin stand to 80 BA using single tree selection methods described in The Complete Marker. Leave approx. 1 tree (under-represented spp., den/cavity tree, large tree) per acre to serve as retention.

Next  
Steps:

**Total Treatment  
Acreage Proposed: 101.7**

**PROPOSED TREATMENTS  
WITH LIMITING FACTORS**



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Treatment Name	Acres	Stage1 Cover Type	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Page 1 of 1
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Limiting Factor and Comment:

Rev Cmnt:

Rev Spec:

Next Steps:

No Treatment Reason

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**Total Treatment  
Acreage Proposed:        0**



**PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS**

\* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

Inventory Method: IFMAP

Stand	SCA Name	Acres	Comments
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## 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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Concentrated Recreation Area	Facilities that are designed and maintained for routine or heavy recreational use, including State Parks, State Forest campgrounds, motorized and non-motorized trails, trailheads, staging areas and public access sites.