



**GAYLORD FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT: 112**

**ENTRY YEAR: 2011**  
**Compartment Acreage: 1,465**  
**County: Emmet**

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**Revision Date:** 05/22/2009

**Stand Examiner:** Don Stacks

**Legal Description:** T36N R05W Sections 19, 20, 29, 30, 31.

**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:** Mostly Blue Lakes sands on very hilly terrain.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Many residences on all sides of compartment. A few small family owned farms in the area. Boyne Highlands resort located about 1 mile to the east. Golf course and condo expansion continues in the area.

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

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

**Special Management Designations or Considerations:** High levels of development in area.

**Watershed and Fisheries Considerations:** No water in this compartment, therefore no fisheries concerns.

**Wildlife Habitat Considerations:** This compartment lies west of Pellston and contains mostly upland hardwoods along with some red pine and aspen areas. The upland hardwoods in this area are utilized by white-tailed deer and wild turkey, especially during heavy beech nut years. Stand 10 is going to be clear-cut to increase early successional habitat.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of coarse-textured glacial till. The glacial drift thickness varies between 600 and 1,000 feet. The Devonian Traverse Group, Bell Shale and Dundee Limestone subcrop below the glacial drift. The Traverse and Dundee are quarried for limestone in other areas in the State. A gravel pit is located in Section 22, to the east, and potential is good. The nearest oil and gas production, the Antrim Shale gas play, is located 20 miles to the south. There is no known oil and gas potential in the area.

**Vehicle Access:** Numerous forest trail roads run through the compartment and are accessible from various county roads.

**Survey Needs:** Approximately ½ mile.

**Recreational Facilities and Opportunities:** A designated snowmobile trail runs through the compartment.

**Fire Protection:** The Pellston field office is located approximately 10 miles to the northeast and the Harbor Springs VFD is located about 5 miles to the south of the compartment.

**Additional Compartment Information:** Traces of beech scale have been found in this hardwood dominated cover type.

➤ **The following 3 reports from the IFMAP Inventory System are attached:**

- ◆ **Cover Type by Age Class**
- ◆ **Proposed Treatments – No Limiting Factors**
- ◆ **Proposed Treatments – With Limiting Factors**

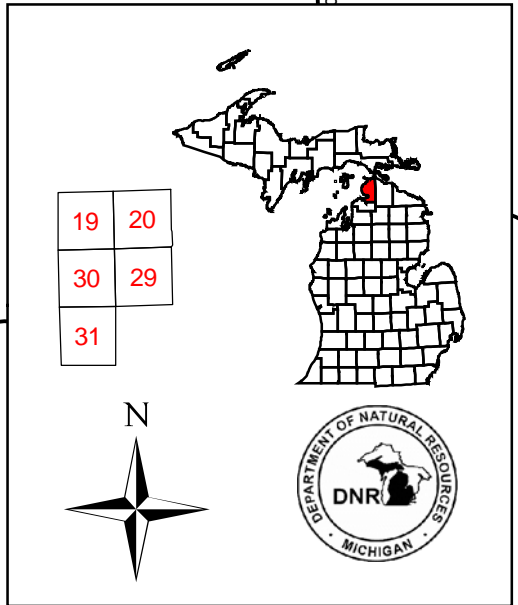
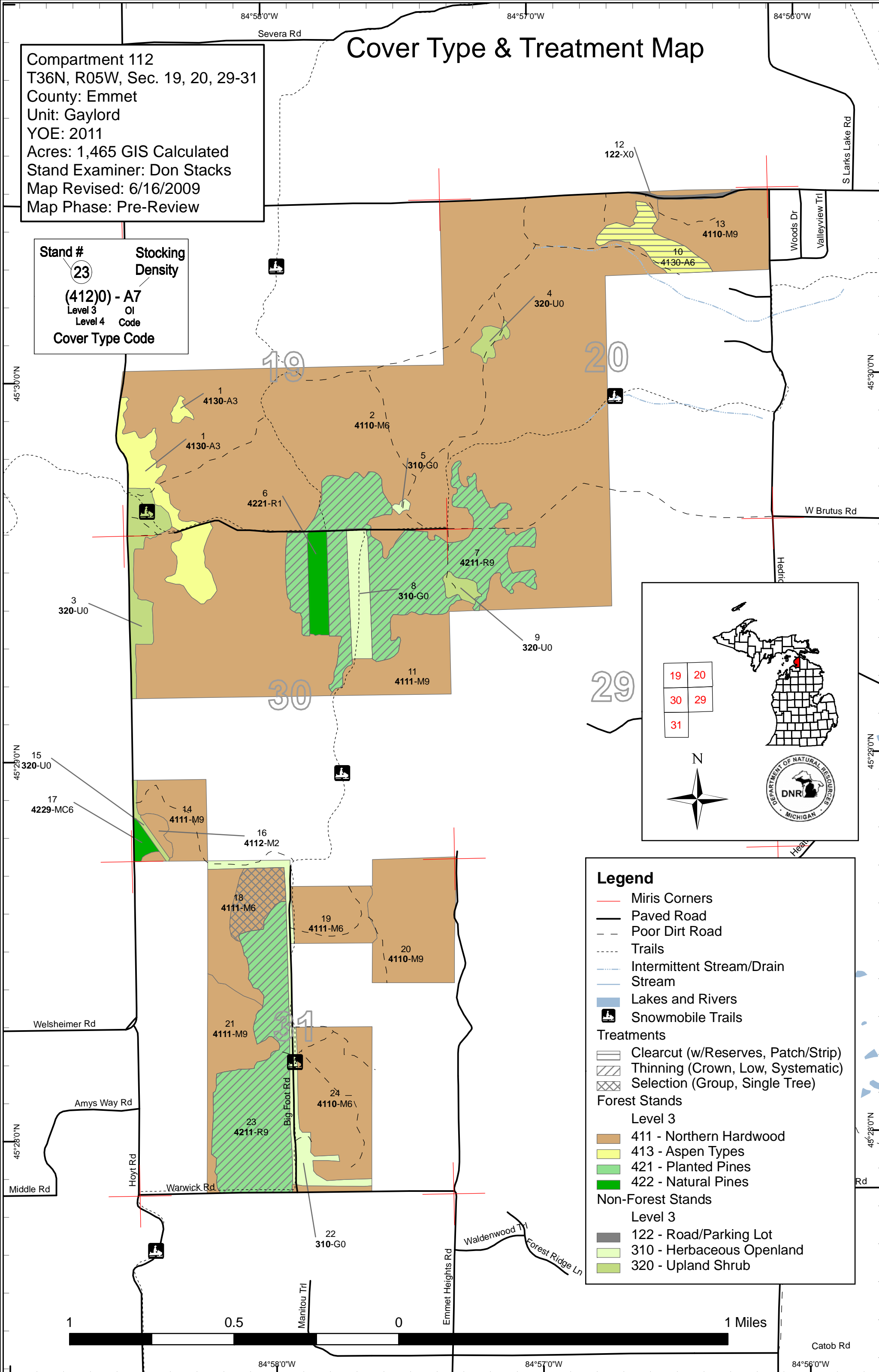
➤ **The following information is displayed, where pertinent, on the attached compartment maps:**

- ◆ **Base feature information, stand numbers, cover types**
- ◆ **Proposed treatments**
- ◆ **Proposed road access system**
- ◆ **Suggested potential and current SCA's**

# Cover Type & Treatment Map

Compartment 112  
 T36N, R05W, Sec. 19, 20, 29-31  
 County: Emmet  
 Unit: Gaylord  
 YOE: 2011  
 Acres: 1,465 GIS Calculated  
 Stand Examiner: Don Stacks  
 Map Revised: 6/16/2009  
 Map Phase: Pre-Review

**Stand #**  
 23  
**Stocking Density**  
 (412)0 - A7  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**



**Legend**

- Miris Corners
- Paved Road
- Poor Dirt Road
- Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Snowmobile Trails

**Treatments**

- Clearcut (w/Reserves, Patch/Strip)
- Thinning (Crown, Low, Systematic)
- Selection (Group, Single Tree)

**Forest Stands**

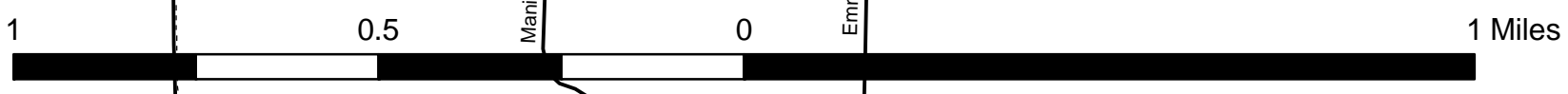
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines

**Non-Forest Stands**

Level 3

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub

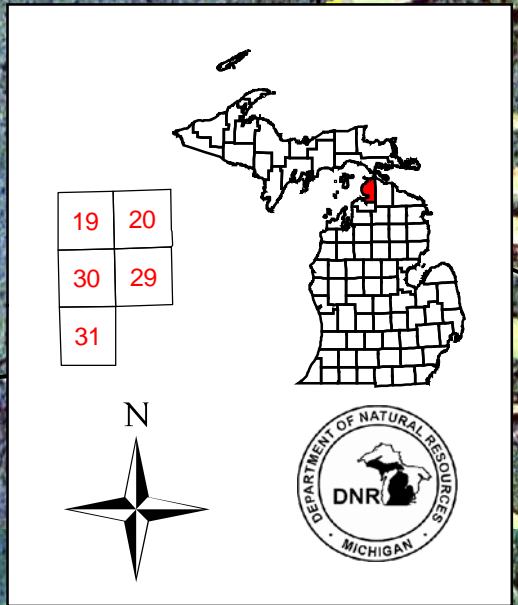
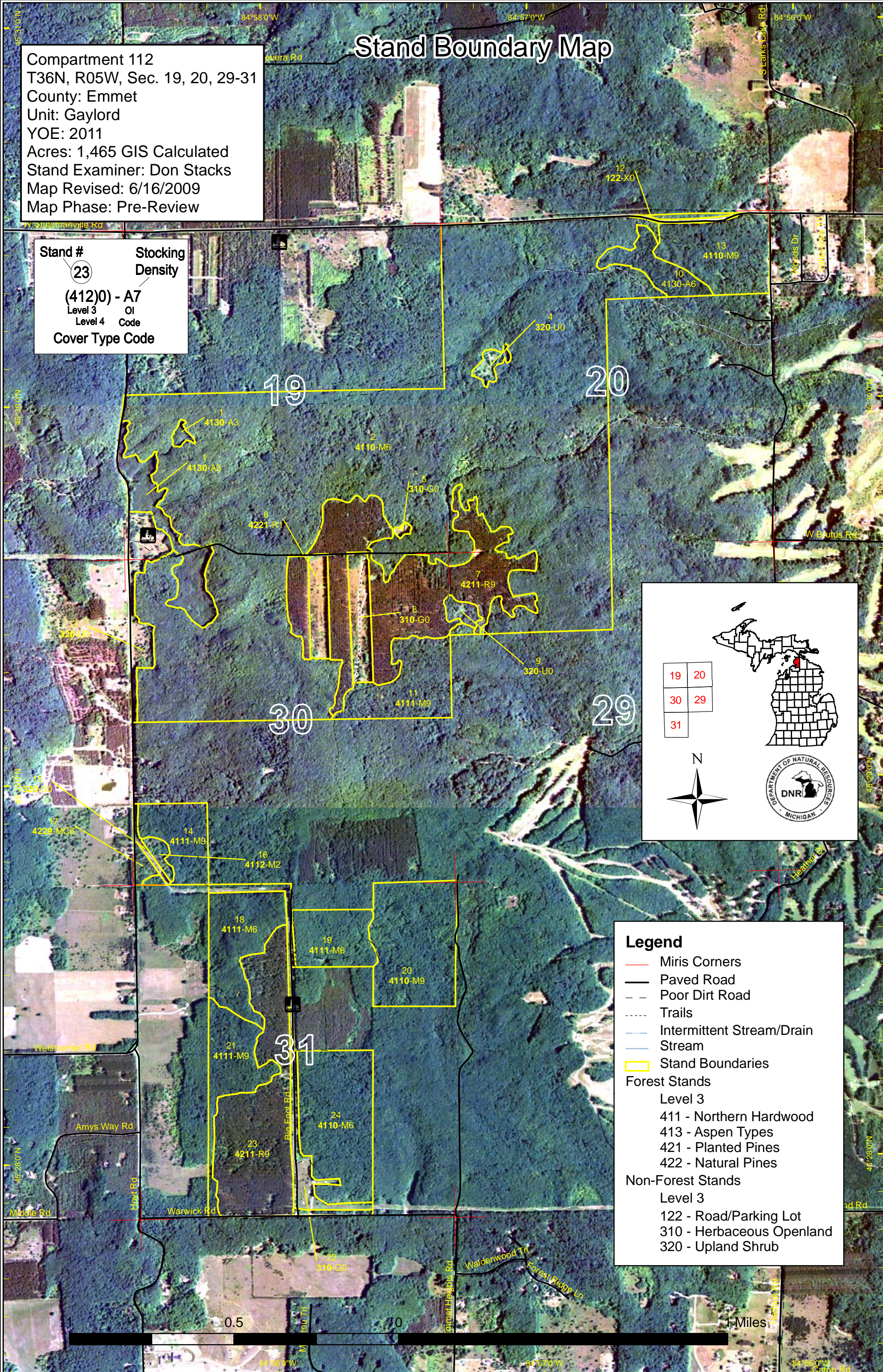


84°58'0"W      84°57'0"W      84°56'0"W  
 45°30'0"N      45°29'0"N      45°28'0"N

# Stand Boundary Map

Compartment 112  
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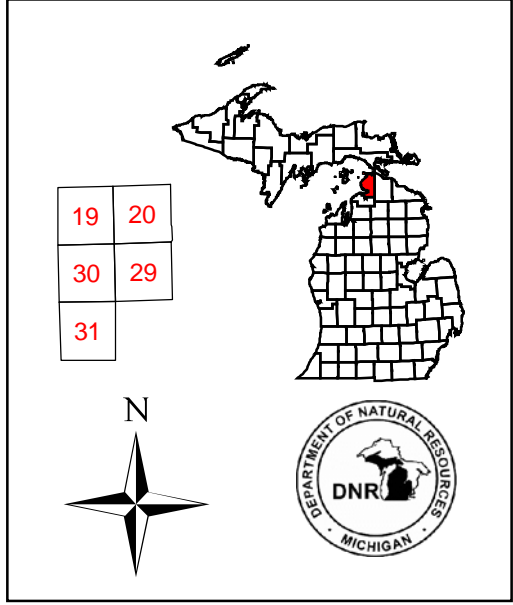
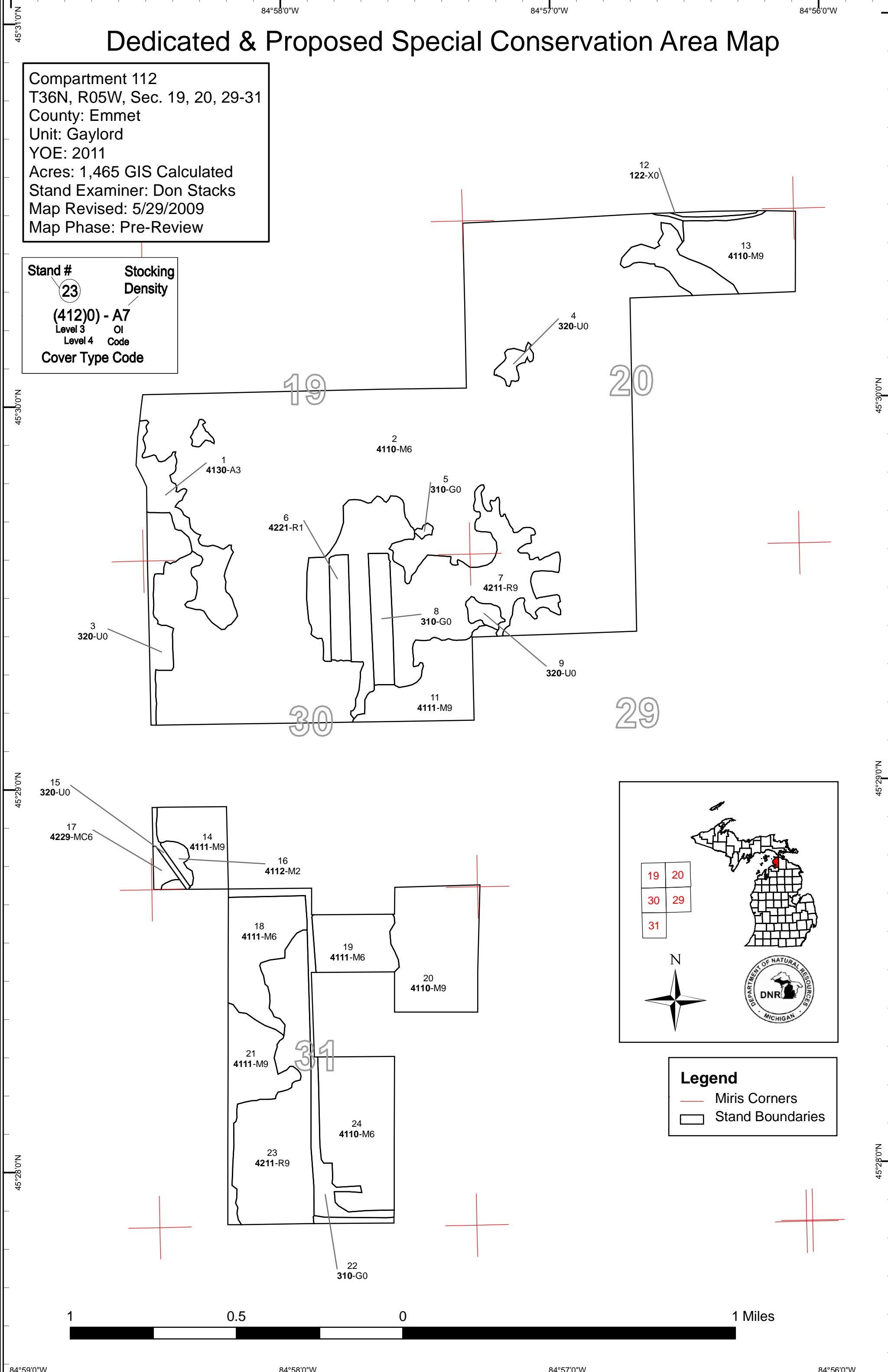
19	20
30	29
31	

- Legend**
- Miris Corners
  - Paved Road
  - - - Poor Dirt Road
  - ..... Trails
  - Intermittent Stream/Drain
  - Stream
  - Stand Boundaries
- Forest Stands**
- Level 3
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- Non-Forest Stands**
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  - 320 - Upland Shrub

# Dedicated & Proposed Special Conservation Area Map

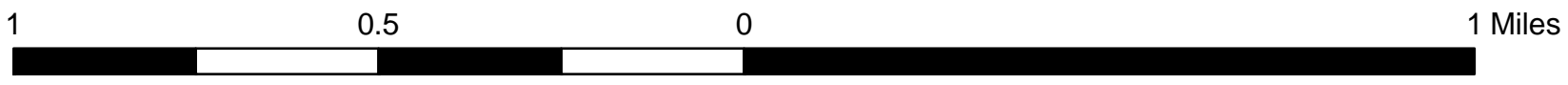
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 (412)0) - A7  
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 Level 4 Code  
**Cover Type Code**



19	20
30	29
31	

**Legend**  
 — Miris Corners  
 □ Stand Boundaries



84°59'0"W      84°58'0"W      84°57'0"W      84°56'0"W

Gaylord Mgt. Unit

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

Compartment 112 Year of Entry 2011

Report Date: 06/03/2009



	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	0	32.1	0	0	0	0	17.3	0	0	0	0	0	0	0	49.4
Herbaceous Openland	39.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39.7
Natural Pines	0	0	11.9	0	3.4	0	0	0	0	0	0	0	0	0	0	15.4
Northern Hardwood	0	0	0	3.7	0	0	0	0	0	0	0	0	0	0	1114.9	1118.6
Planted Pines	0	0	0	0	0	0	207.6	0	0	0	0	0	0	0	0	207.6
Road/Parking Lot	2.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.3
Upland Shrub	31.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.8
<b>Total</b>	<b>73.8</b>	<b>0</b>	<b>44.0</b>	<b>3.7</b>	<b>3.4</b>	<b>0</b>	<b>207.6</b>	<b>17.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1114.9</b>	<b>1464.7</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
<b>7 52112007-RP-Mark</b>	122.1	42110 - Planted Red Pine	High Density Log	54	Harvest	Crown Thinning	Planted Red Pine
<p><u>Rev Cmnt:</u> Harvest must be limited to non-snowmobile season because of designated snowmobile trail used to access stand.</p> <p><u>Rev Spec:</u> Mark and thin stand down to 90-120 sq. ft. Concentrate harvest on present larger diameter trees.</p> <p><u>Next Steps:</u></p>							

<b>18 52112018-Hwd-Select</b>	16.3	4111 - S.Maple, Hard Mast Association	High Density Pole	70	Harvest	Single Tree Selection	S.Maple, Hard Mast Association
<p><u>Rev Cmnt:</u> Harvest will have to occur during non-snowmobile season because of designated trail used to access sale area, unless access is granted from private landowner to the west.</p> <p><u>Rev Spec:</u> Mark and thin stand down to 75-80 sq. ft. of basal area. Leave 1-3 trees per acre marked "GIRDLE" for creation of nesting snag trees. Follow existing retention guidelines.</p> <p><u>Next Steps:</u></p>							

<b>23 52112023-RP-Marked-thin</b>	85.5	42110 - Planted Red Pine	High Density Log	56	Harvest	Crown Thinning	Planted Red Pine
<p><u>Rev Cmnt:</u> Harvest must be limited to non-snowmobile season because of designated snowmobile trail used to access stand.</p> <p><u>Rev Spec:</u> Mark and thin stand down to 90-120 sq. ft. Concentrate harvest on present larger diameter trees.</p> <p><u>Next Steps:</u></p>							

**Total Treatment  
Acreage Proposed: 223.9**

**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



### 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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