



**ATLANTA FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 19 ENTRY YEAR: 2010**

**Compartment Acreage: 2203      County: Montmorency**

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**Revision Date:** October 16, 2008

**Stand Examiner:** Cody Stevens

**Legal Description:** T29N R03E Sec 23, 26, 27, 34 & 35

**RMU (if applicable):**

**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.

**Soil and Topography:** The topography of the east portion of the compartment is rolling hills with some steep slopes and the dominate cover types are Aspen & Oak. The remainder of the compartment has fairly level or low ground in conjunction with several creeks.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:**

The compartment has a few small private parcels and scattered larger private parcels. The south boundary of the compartment is the Montmorency/Oscoda County line. The compartment has some recreational use by ORVs & snowmobiles and receives a large amount of use by Antrim Gas Companies.

**Unique, Natural Features:**

Some species are present in and around the compartment.

**Archeological, Historical, and Cultural Features.**

None known at this time.

**Special Management Designations or Considerations:**

This compartment is the Greasy Creek Grouse Management Area.

**Watershed and Fisheries Considerations:**

**Fisheries Concerns is General:**

**Wildlife Habitat Considerations:**

History of management for ruffed grouse habitat with juxtaposition of aspen age classes. This compartment has potential for the following species of greatest conservation need: wood turtle, red-shouldered hawk, blanding's turtle, cooper's hawk, northern goshawk, blue racer, smooth green snake, eastern massasauga, whip-poor-will, deer mouse, and southern red-backed vole. Potential for barrens- and cedar swamp-associated rare species exists. Game species likely to be present in this compartment include black bear, coyote, red fox, ruffed grouse. Additional species with potential to be present include elk, northern short-

tailed shrew, long-tailed weasel, masked shrew, common raven, black-capped chickadee, downy woodpecker, warbling vireo, and tufted titmouse, garter snake, milk snake, chipping sparrow, and broad-winged hawk.

Historically, this compartment likely consisted of red and white pine, jack pine, oak, mixed beech-sugar maple-hemlock forest, cedar swamp, and mixed conifer swamp. The fire regime included 100-120yr fire rotations. Landscape ranges from steep moraine ridges, kettle lakes and excessively drained sand to well drained sandy loam to broad flat outwash plain and poorly drained peat and muck.

**Mineral Resource and Development Concerns and/or Restrictions:**

Surface sediments consist of coarse-textured till. The glacial drift thickness varies between 400 and 800 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. There is no known economic use for this Shale. Leased gravel pits are located in Section 23 & 27 and potential is good. This area is leased, has been drilled, is being further developed and is producing gas from the Antrim Shale.

**Vehicle Access:**

This compartment is accessed from M-33 and several County Roads: Greasy Creek Rd, McIntire Rd, Co Rd 612 and Clay Pit Road. There are several two tracks for traversing the area.

**Survey Needs:**

There may be a fence trespass in section 27.

**Recreational Facilities and Opportunities:**

There are many opportunities for hunting, fishing and wildlife viewing in the area.

**Fire Protection:**

Fire response to the compartment will be covered by the Atlanta DNR office as well as the Tri-Township Fire Department.

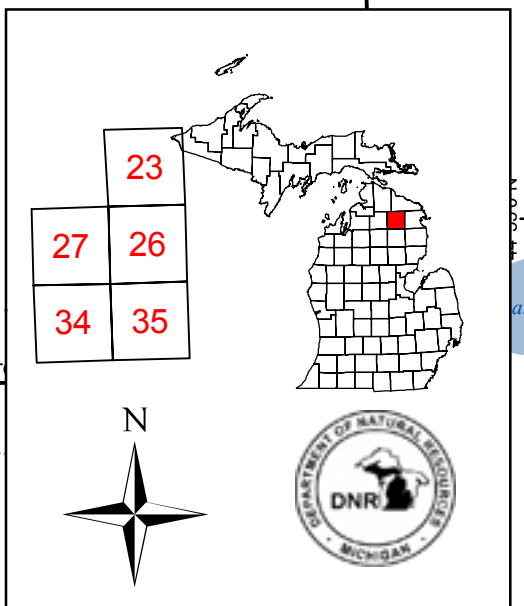
**Additional Compartment Information:**

- **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**

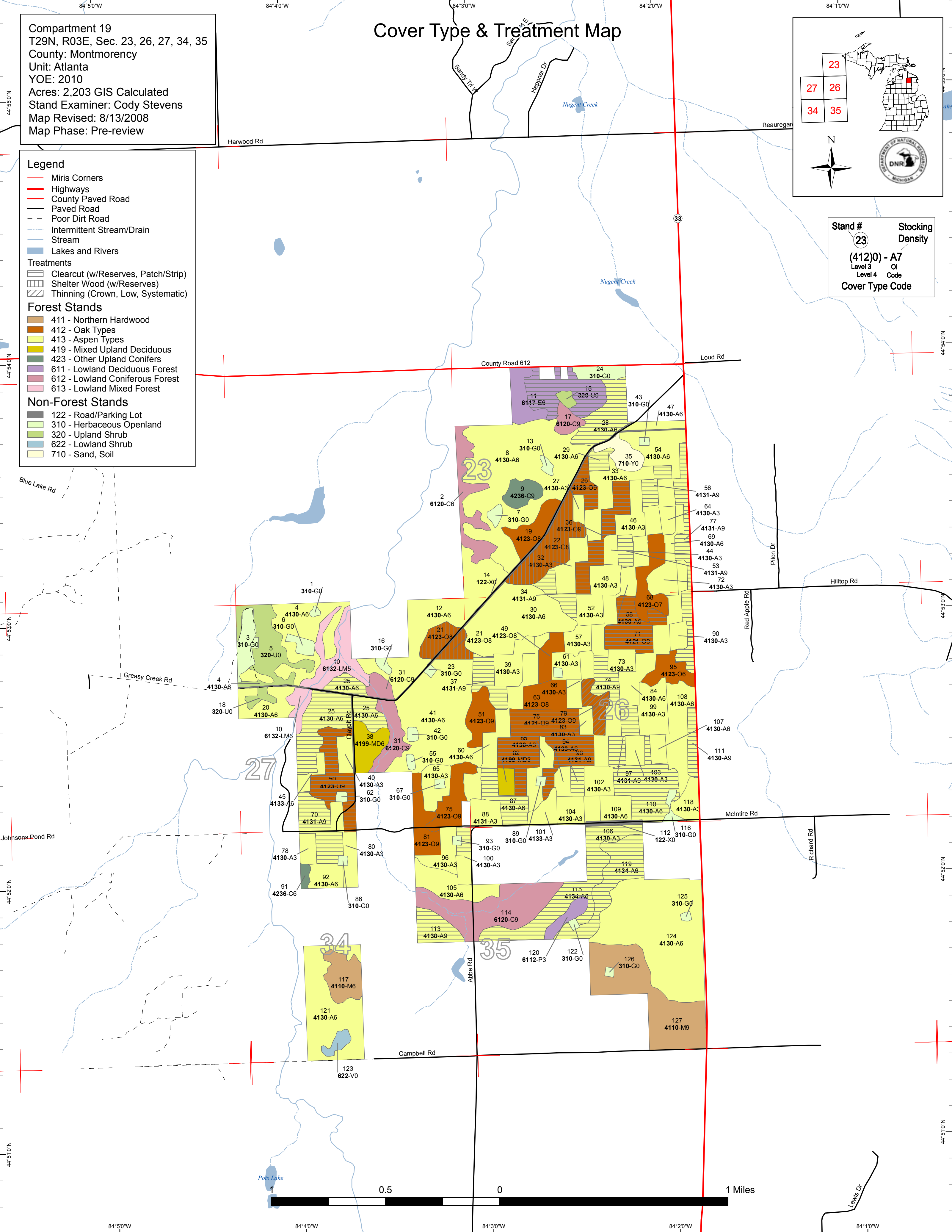
# Cover Type & Treatment Map

Compartment 19  
 T29N, R03E, Sec. 23, 26, 27, 34, 35  
 County: Montmorency  
 Unit: Atlanta  
 YOE: 2010  
 Acres: 2,203 GIS Calculated  
 Stand Examiner: Cody Stevens  
 Map Revised: 8/13/2008  
 Map Phase: Pre-review



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

- Legend**
- Miris Corners
  - Highways
  - County Paved Road
  - Paved Road
  - Poor Dirt Road
  - Intermittent Stream/Drain
  - Stream
  - Lakes and Rivers
- Treatments**
- Clearcut (w/Reserves, Patch/Strip)
  - Shelter Wood (w/Reserves)
  - Thinning (Crown, Low, Systematic)
- Forest Stands**
- 411 - Northern Hardwood
  - 412 - Oak Types
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 423 - Other Upland Conifers
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- 122 - Road/Parking Lot
  - 310 - Herbaceous Openland
  - 320 - Upland Shrub
  - 622 - Lowland Shrub
  - 710 - Sand, Soil



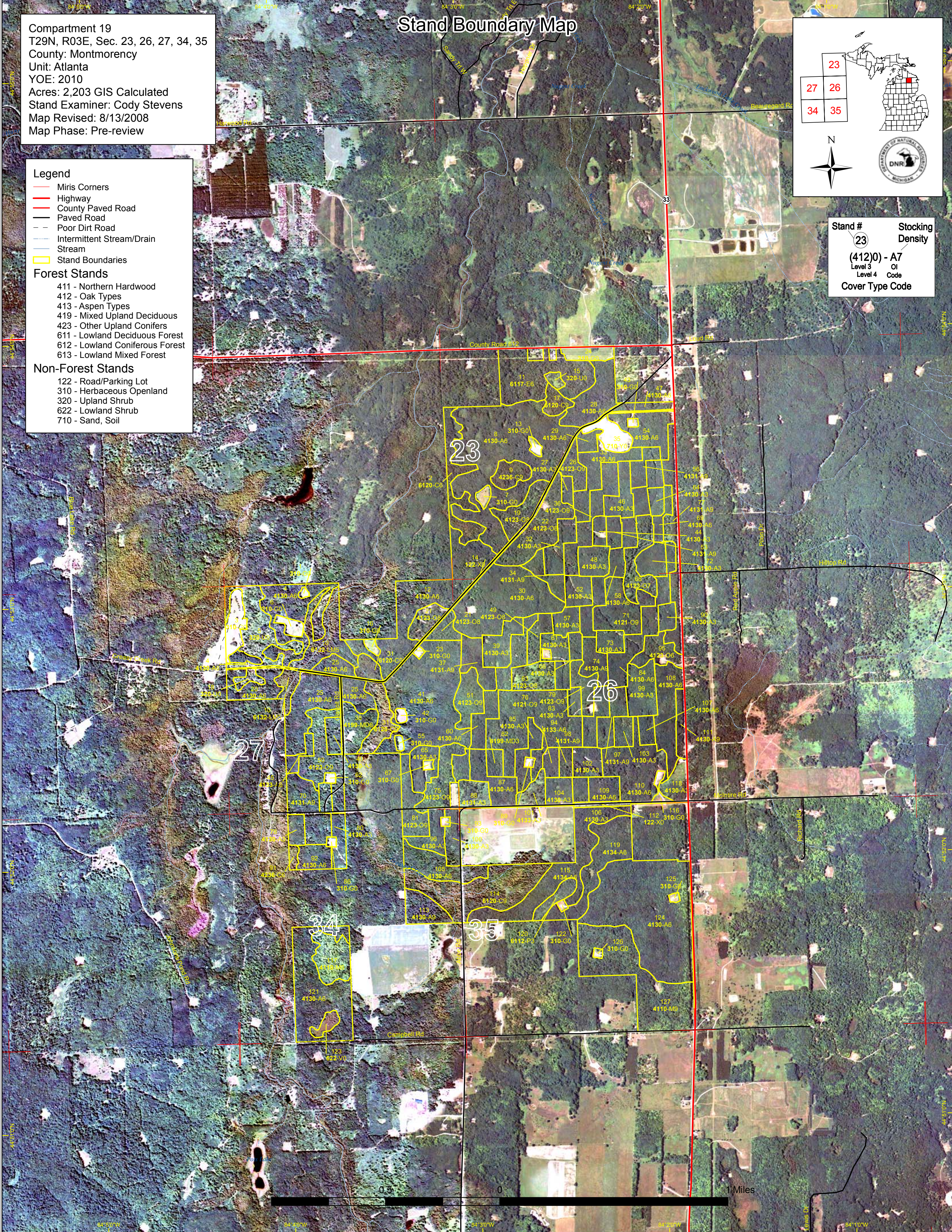
84°50'W 84°40'W 84°30'W 84°20'W 84°10'W

# Stand Boundary Map

Compartment 19  
 T29N, R03E, Sec. 23, 26, 27, 34, 35  
 County: Montmorency  
 Unit: Atlanta  
 YOE: 2010  
 Acres: 2,203 GIS Calculated  
 Stand Examiner: Cody Stevens  
 Map Revised: 8/13/2008  
 Map Phase: Pre-review

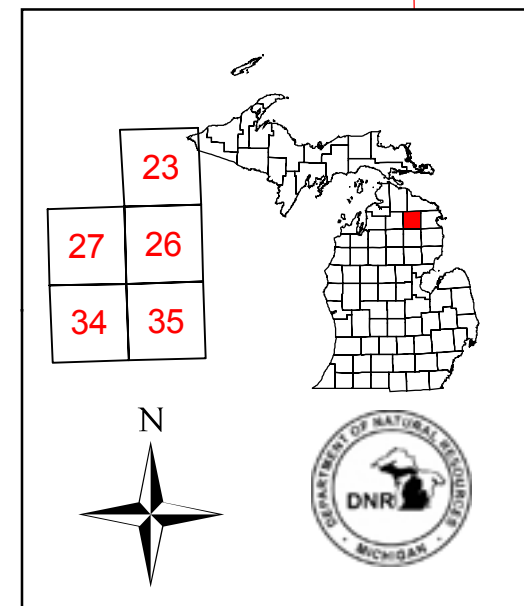
- Legend**
- Miris Corners
  - Highway
  - County Paved Road
  - Paved Road
  - Poor Dirt Road
  - Intermittent Stream/Drain
  - Stream
  - Stand Boundaries
- Forest Stands**
- 411 - Northern Hardwood
  - 412 - Oak Types
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
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  - 622 - Lowland Shrub
  - 710 - Sand, Soil

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



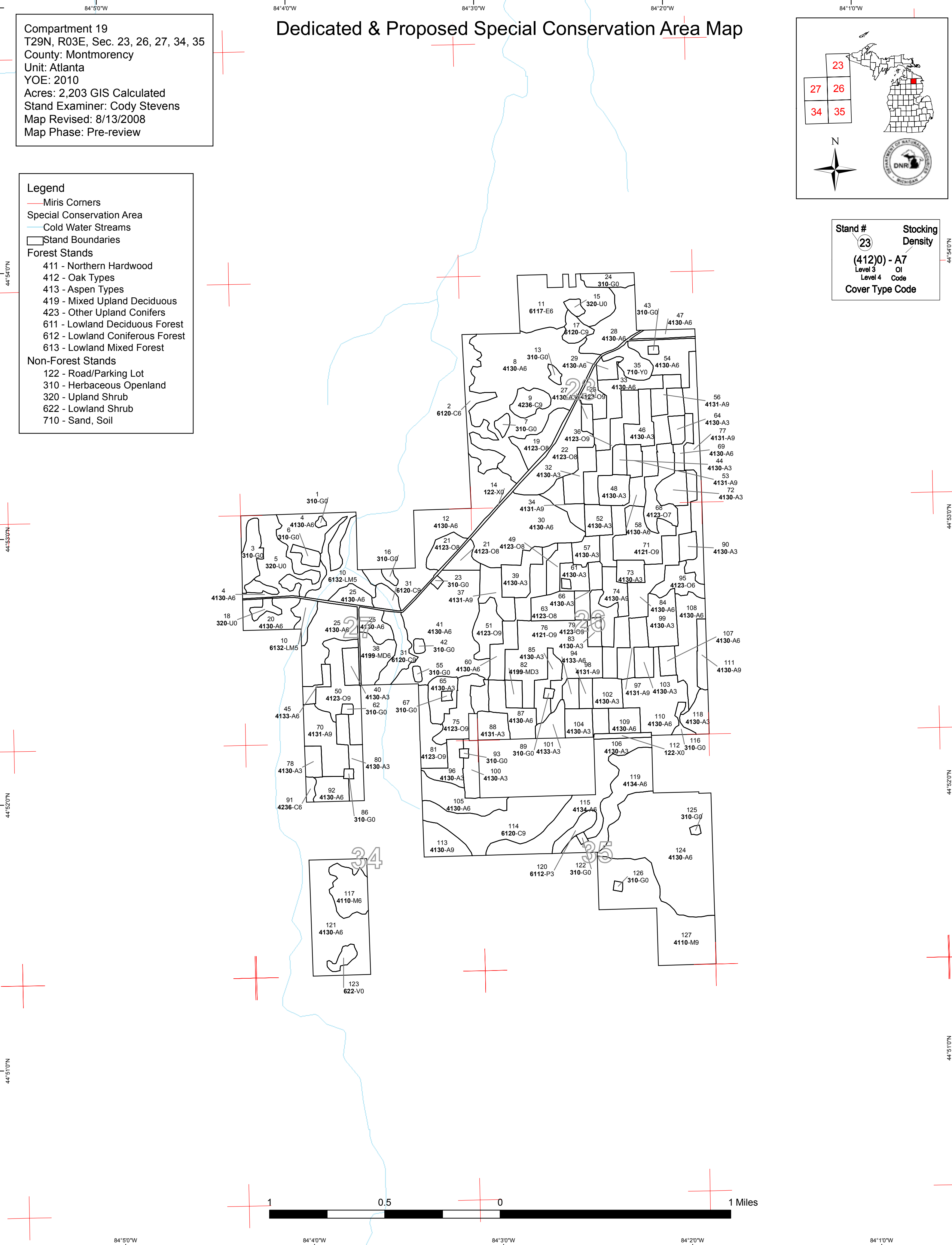
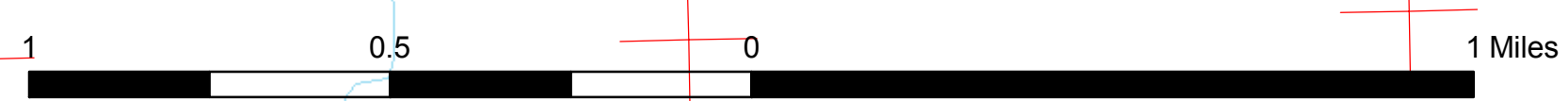
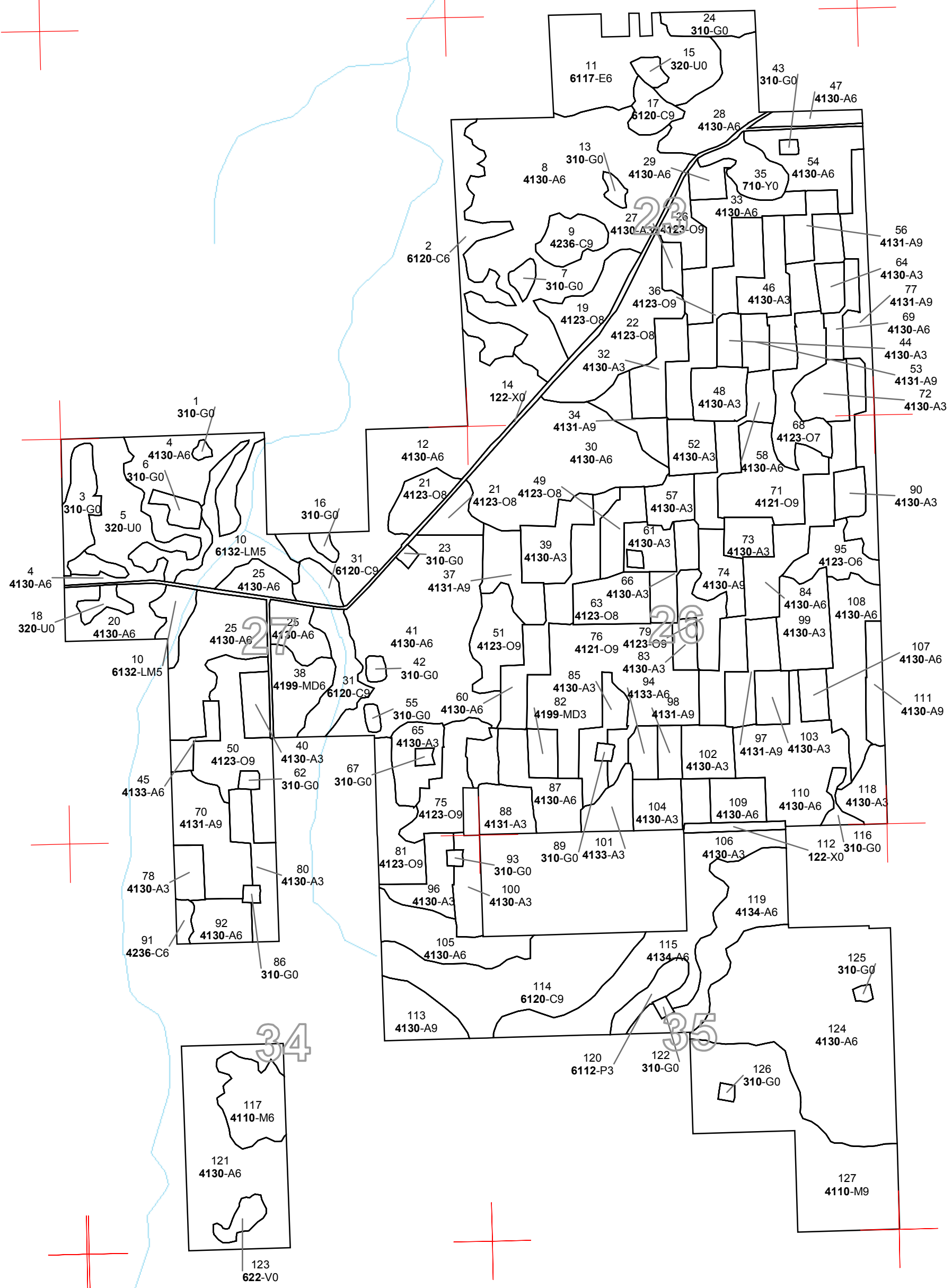
Compartment 19  
 T29N, R03E, Sec. 23, 26, 27, 34, 35  
 County: Montgomery  
 Unit: Atlanta  
 YOE: 2010  
 Acres: 2,203 GIS Calculated  
 Stand Examiner: Cody Stevens  
 Map Revised: 8/13/2008  
 Map Phase: Pre-review

# Dedicated & Proposed Special Conservation Area Map



- Legend**
- Miris Corners
  - Special Conservation Area
  - Cold Water Streams
  - Stand Boundaries
- Forest Stands**
- 411 - Northern Hardwood
  - 412 - Oak Types
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 423 - Other Upland Conifers
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- 122 - Road/Parking Lot
  - 310 - Herbaceous Openland
  - 320 - Upland Shrub
  - 622 - Lowland Shrub
  - 710 - Sand, Soil

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



Atlanta Mgt. Unit

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

Compartment 019 Year of Entry 2010

Report Date: 08/18/2008



	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	15.8	98.7	176.7	591.1	365.1	36.9	0	76.1	63.1	0	0	0	0	10.2	1433.8
Herbaceous Openland	51.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51.5
Lowland Coniferous Forest	0	0	0	0	0	0	0	0	0	7.0	98.7	0	0	0	0	105.8
Lowland Deciduous Forest	0	0	7.7	0	0	0	0	45.8	0	0	0	0	0	0	0	53.5
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	34.4	0	0	0	0	34.4
Lowland Shrub	4.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.7
Mixed Upland Deciduous	0	0	0	5.6	15.1	0	0	0	0	0	0	0	0	0	0	20.7
Northern Hardwood	0	0	0	0	0	19.0	0	0	0	70.8	0	0	0	0	0	89.8
Oak Types	0	0	0	0	0	0	0	17.0	17.7	257.6	17.0	0	0	0	19.0	328.3
Other Upland Conifers	0	0	0	0	0	0	0	0	0	0	12.8	0	0	0	0	12.8
Road/Parking Lot	19.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19.1
Sand, Soil	11.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11.3
Upland Shrub	37.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37.2
<b>Total</b>	<b>123.7</b>	<b>15.8</b>	<b>106.5</b>	<b>182.3</b>	<b>606.2</b>	<b>384.1</b>	<b>36.9</b>	<b>62.8</b>	<b>93.8</b>	<b>398.5</b>	<b>162.9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29.2</b>	<b>2202.8</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
11 19011-CCut	31.5	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	64	Harvest	Clearcut	Aspen

Rev  
Cmnt:

Rev Treating stand east of small creek. Leave west 1/2 to treat with stand to south.  
Spec: C. Cut: leave 3% retention in low ground areas. Buffer stream.  
Acceptable regeneration is any mix of species dominated by aspen.

Next  
Steps: Follow up harvest with regen check.

21 19021-Shelt	17.0	4123 - Red Oak	Medium Density Log	91	Harvest	Shelterwood	Red Oak
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Rev  
Cmnt: Acceptable regen will be a mix of pine, oak & aspen.

Rev Shelterwood cut: Leave 30 BA of Oak.  
Spec: Very few other species present in stand so no other retention is needed.

Next  
Steps: Plant Mixture of Red & White Pine.

22 19022-Shelt	31.5	4123 - Red Oak	Medium Density Log	87	Harvest	Shelterwood	Red Oak
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Rev  
Cmnt: No retention needed. Stand on NWest side of road is similar type and no being treated.

Rev Shelterwood/Seed Tree. Thin down to 30-50 BA creating large openings to plant in.  
Spec:  
No retention needed stand on West side of road is similiar and not being treated.

Next  
Steps: Plant Red & White Pine in understory.

25 19025-CCut	49.2	4130 - Aspen	High Density Pole	42	Harvest	Clearcut with Reserves	Aspen
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Rev  
Cmnt: Acceptable regeneration is any mix of species dominated by aspen and oak.

Rev Clear Cut: leave scattered oak & white pine. Leave 3% retention in pockets of younger age class.  
Spec:

Next  
Steps: Follow up harvest with regen check.

26 19026-CCut	9.1	4123 - Red Oak	High Density Log	88	Harvest	Clearcut with Reserves	Oak, Aspen
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Rev  
Cmnt: Acceptable regen is oak, aspen, hdwd & pine.

Rev C. Cut leave 10-20 BA of Oak. No other retention needed due to small size of stand and similiar surrounding types  
Spec:

Next  
Steps: Follow up harvest with regen check.



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
28 19028-CCut	25.0	4130 - Aspen	High Density Pole	40	Harvest	Clearcut with Reserves	Aspen

Rev Acceptable regeneration is any mix of species dominated by aspen.  
Cmnt:

Rev C. Cut leave scattered oak. Leave 3% retention.  
Spec:

Next Follow up harvest with regen check.  
Steps:

29 19029-CCut	5.3	4130 - Aspen	High Density Pole	38	Harvest	Clearcut with Reserves	Aspen
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Rev Acceptable regeneration is any mix of species dominated by aspen.  
Cmnt:

Rev Clear Cut and leave all oak. No other retention needed due to stands small size and it is surrounded by similar types.  
Spec:

Next Follow up harvest with regen check.  
Steps:

34 19034-CCut	9.7	4131 - Aspen, Oak	High Density Log	84	Harvest	Clearcut with Reserves	Aspen
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Rev Acceptable regeneration is any mix of species dominated by aspen and oak.  
Cmnt: Some slopes in stand but all should be treatable.

Rev C. Cut: leave 1-3 red oak per acre and any pine present. No retention needed due to stands small size and surrounded by similar types.  
Spec:

Next Follow up harvest with regen check.  
Steps:

36 19036-CCut	22.1	4123 - Red Oak	High Density Log	83	Harvest	Clearcut with Reserves	Oak, Aspen
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Rev Acceptable regeneration is any mix of species dominated by aspen and oak.  
Cmnt:

Rev C. Cut leave 10-20 BA Oak & Pine. Leave a total of 3% retention.  
Spec:

Next follow up in 5 years and plant any open areas with red & white pine.  
Steps:

37 19037-CCut	13.6	4131 - Aspen, Oak	High Density Log	86	Harvest	Clearcut with Reserves	Aspen, Oak
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Rev Acceptable regeneration is any mix of species dominated by aspen and oak.  
Cmnt:

Rev C. Cut: leave 1-3 red oak per acre and any pine present. No retention needed, Stand 51 is acting as retention because it will never be cut.  
Spec:

Next Follow up harvest with regen check.  
Steps:

50 19050-CCut	28.2	4123 - Red Oak	High Density Log	83	Harvest	Clearcut with Reserves	Oak, Aspen
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Rev Acceptable regeneration is any mix of species dominated by aspen and oak.  
Cmnt:

Rev C. Cut: Leave 1-3 oak per acre and 3 % retention. No cut White Pine.  
Spec:

Next If there are any spots that do not regenerate plant to WPine.  
Steps:

**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
19053-CCut	5.9	4131 - Aspen, Oak	High Density Log	81	Harvest	Clearcut with Reserves	Aspen, Oak

Rev Cmnt: Acceptable regeneration is any mix of species dominated by aspen and oak. Some steep slopes but all should be workable.

Rev Spec: C. Cut Leave 1-3 oak per acre. No retention needed due to stands small size and surrounded by similar types.

Next Steps: Follow up harvest with regen check.

19056-CCut	8.2	4131 - Aspen, Oak	High Density Log	85	Harvest	Clearcut with Reserves	Aspen, Oak
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Rev Cmnt: Acceptable regeneration is any mix of species dominated by aspen and oak.

Rev Spec: C. Cut: leave 10-20 BA red oak and any pine present. No retention needed due to stands small size and surrounded by similar types.

Next Steps: Follow up harvest with regen check.

19070-CCut	23.7	4131 - Aspen, Oak	High Density Log	74	Harvest	Clearcut with Reserves	Aspen, Oak
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Rev Cmnt: Acceptable regeneration is any mix of species dominated by aspen and oak.

Rev Spec: Clear Cut: leave 1-3 oak per acre and mixed pine. Leave 3% retention in areas of steep slopes.

Next Steps: Follow up harvest with regen check

19071-CCut	25.9	4121 - Oak, Aspen	High Density Log	82	Harvest	Clearcut with Reserves	Oak, Aspen
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Rev Cmnt: Acceptable regeneration is any mix of species dominated by aspen and oak.

Rev Spec: C. Cut: leave 10 BA oak/pine. Leave a total of 3-5% retention.

Next Steps: Follow up harvest with regen check.

19074-CCut	11.4	4130 - Aspen	High Density Log	79	Harvest	Clearcut with Reserves	Aspen
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Rev Cmnt: Acceptable regeneration is any mix of species dominated by aspen.

Rev Spec: C. Cut: leave 1-3 red oak per acre and any pine present. No retention needed due to stands small size and surrounded by similar types.

Next Steps: Follow up harvest with regen check.

19076-CCut	63.0	4121 - Oak, Aspen	High Density Log	83	Harvest	Clearcut with Reserves	Oak, Aspen
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Rev Cmnt: Acceptable regeneration is any mix of species dominated by aspen and oak.

Rev Spec: C.Cut Leave 10-30BA residual Red Oak and all Red & White Pine as well as all White Oak. Protect WP Regen. Leave less BA in thick aspen areas and closer to 30 BA in areas of heavy oak. Leave 3-5% total for retention.

Next Steps: Follow up harvest with regen check. If any areas do not regenerate plant a mix of pine.



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
77 19077-CCut	26.8	4131 - Aspen, Oak	High Density Log	72	Harvest	Clearcut with Reserves	Aspen, Oak

Rev Cmnt: Acceptable regeneration is any mix of species dominated by aspen and oak.

Rev Spec: C. Cut: leave 1-3 red oak per acre back away from M33 and any pine present. Leave few scattered clumps of trees for visual as well. No other retention is needed.

Next Steps: Follow up harvest with regen check.

79 19079-Thin	10.5	4123 - Red Oak	High Density Log	82	Harvest	Crown Thinning	Red Oak
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Rev Cmnt: Species thin and then mark oak down to 90 BA. Leave south end as retention where steep slopes.

Rev Spec: Check BA in ten years for next thin or final harvest.

Next Steps: Check BA in ten years for next thin or final harvest.

87 19087-CCut	16.9	4130 - Aspen	High Density Pole	45	Harvest	Clearcut with Reserves	Aspen
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Rev Cmnt: Acceptable regeneration is any mix of species dominated by aspen.

Rev Spec: C. Cut leave oak and pine. No retention needed due to stands small size and surrounded by similar types.

Next Steps: Follow up harvest with regen check.

97 19097-CCut	12.8	4131 - Aspen, Oak	High Density Log	83	Harvest	Clearcut with Reserves	Aspen, Oak
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Rev Cmnt: Acceptable regeneration is any mix of species dominated by aspen and oak.

Rev Spec: C. Cut: leave 1-3 red oak per acre and any pine present. Some steep slopes at SE corner of North block, leave as retention.

Next Steps: Follow up harvest with regen check.

98 19098-CCut	5.0	4131 - Aspen, Oak	High Density Log	84	Harvest	Clearcut with Reserves	Aspen, Oak
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Rev Cmnt: Protect WP Regen. Acceptable regeneration is any mix of species dominated by aspen and oak.

Rev Spec: C. Cut leave White Pine & Scattered Oak. No retention needed due to stands small size and surrounded by similar types.

Next Steps: Follow up harvest with regen check.

100 19100-CCut	4.5	4130 - Aspen	High Density Sapling	20	Harvest	Clearcut with Reserves	Aspen
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Rev Cmnt: Acceptable regeneration is any mix of species dominated by aspen.

Rev Spec: Clear Cut: Leaving 1-3 oak per acre and leave all pine. No retention needed due to stands small size and surrounded by similar types.

Next Steps: Follow up harvest with regen check.



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Page 5 of 5
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110	19110-CCut	36.9	4130 - Aspen	High Density Pole	53	Harvest	Clearcut with Reserves	Aspen
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Rev  
Cmnt: Acceptable regeneration is any mix of species dominated by aspen.

Rev  
Spec: C. Cut: leave 1-3 red oak per acre and any Red & White pine present. Leave small finger to north as retention.

Next  
Steps: Follow up harvest with regen check.

111	19111-CCut	8.0	4130 - Aspen	High Density Log	83	Harvest	Clearcut with Reserves	Aspen, Oak
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Rev  
Cmnt: Acceptable regeneration is any mix of species dominated by aspen and oak.

Rev  
Spec: C. Cut: leave 1-3 red oak per acre and any Red & White pine present for visual. No retention needed due to stands small size and surrounded by similar types.

Next  
Steps: Follow up harvest with regen check.

113	19113-CCut	14.2	4130 - Aspen	High Density Log	76	Harvest	Clearcut with Reserves	Aspen
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Rev  
Cmnt: Acceptable regeneration is any mix of species dominated by aspen. Best access is across PVT or possible put in bridge and cross creek from east.

Rev  
Spec: Clear cut: Leave all oak and pine. Leave 3% retention along stream corridor.

Next  
Steps: Follow up harvest with regen check.

115	19115-CCut	47.5	4134 - Aspen, Spruce/Fir	High Density Pole	40	Harvest	Clearcut with Reserves	Aspen
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Rev  
Cmnt: Acceptable regeneration is any mix of species dominated by aspen.

Rev  
Spec: Clear Cut & push lines as close to swamp as possible. Leave scattered pine & oak. Leave 1-3% retention. Winter Cut or dry summer to protect soils.

Next  
Steps: Follow up harvest with regen check.

119	19119-CCut	33.9	4134 - Aspen, Spruce/Fir	High Density Pole	40	Harvest	Clearcut with Reserves	Aspen
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Rev  
Cmnt: Acceptable regeneration is any mix of species dominated by aspen.

Rev  
Spec: Clear Cut: leave oak, WP & beech. Cut in dry summer or winter. Leave 3-5% retention.

Next  
Steps: Follow up harvest with regen check.

**Total Treatment  
Acreage Proposed: 597.5**

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Atlanta Mgt. Unit  
Inventory Method: IFMAP

**PROPOSED TREATMENTS  
WITH LIMITING FACTORS**

Compartment: 019      Entry Yr: 2010  
Date 08/18/2008



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

Conservation Area	Type	Description
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
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.