



## COMPARTMENT REVIEW PRESENTATION

### *GAYLORD FOREST MANAGEMENT UNIT*

#### COMPARTMENT: 157

**ENTRY YEAR: 2013**

**ACREAGE: 1,669**

**COUNTY: Cheboygan**

---

**Revision Date:** 03/16/2011

**Stand Examiner:** Zachary Crew

**Legal Description:** T33N 03W, Sections 21,28,33

**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:** The topography of this compartment ranges gently rolling hills to steep slopes. There is also small valley that parallels the West Branch of the Sturgeon River. Most of the compartment contains well drained sands and loamy sands of the Blue Lake, Kalkaska, and Cheboygan soil series. The swamps along the West Branch of the Sturgeon River are composed of poorly drained decomposed organic material of the Tawas Series.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** State ownership is fairly contiguous within the compartment and with the compartments to the west, north and east. Private parcel ownership is present on the south and south east boundary lines of the compartment.

**Unique, Natural Features:** The West Branch of the Sturgeon River and its tributaries are located in the W1/2 of Sec. 21 and NW1/4 of Sec. 28.

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

**Special Management Designations or Considerations:** A large percentage of the acreage in this compartment is poor/fair quality M6 with an average BA of 100 sq. ft. Some of this acreage could possibly be treated within the next 10 to 20 years but the soils that these stands sit on do not exhibit high productivity.

**Watershed and Fisheries Considerations:** This compartment is within the W Br Sturgeon River watershed, and contains a portion of that stream. The W Br Sturgeon River is a designated trout stream and is classified as a coldwater stream. It's my understanding that the goal is natural hardwood regeneration in this area, and that this not a preferred beaver food. A minimum no-clear-cut buffer of 150 feet should be maintained adjacent to the W Br Sturgeon River.

**Wildlife Habitat Considerations:** This compartment contains mostly upland habitat with a portion of wetland associated with the West Branch of the Sturgeon River along the west side. This wetland supports a variety of species including waterfowl, various furbearers, black bears, and amphibians. The majority of the upland consists mainly of hardwoods with some aspen inclusions and a red oak component on the north end of the compartment. Stand 32 is going to be treated which will provide some structural diversity within the stand and the compartment. Stands 25, 29, 30, 36, and 40 are going to be clear cut which will provide early successional habitat for white-tailed deer, wild turkey, grouse, woodcock, and various early successional song birds. Stands 2, 6, and 42 are openings that will be managed to provide an opening component within this compartment.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of coarse-textured glacial till (uplands) and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 800 feet. The Devonian Antrim Shale subcrops below the glacial drift. The Antrim is used for clay/shale elsewhere in the State. The nearest gravel pit is located in the SW of Section 32. The compartment appears to have good gravel potential. The nearest oil and gas production, the Antrim Shale gas play, is located 1 mile to the south. The Antrim Shale has been developed in Sections 28 and 33. The Collingwood Formation may also have oil and gas potential in the area.

**Vehicle Access:** There are 3 seasonal county roads that provide access to this compartment. Dunham road runs along the east boundary of the compartment for most of its length. Perry road runs mainly through the northernmost section of this compartment and Mason Pit Road comes up into the compartment off of Thumb Lake road to the south. The forest road that runs east/west between Dunham Road and Perry Road in section 28 is proposed to be closed in order to only allow entry to motorcycle recreation. The reason for this closure is to limit erosion occurring along this forest road. This closure will not limit access to the forest for ORV users.

**Survey Needs:** There does not appear to be any survey assistance required in this Compartment. None of the treatments are adjacent to private parcels.

**Recreational Facilities and Opportunities:** As mentioned above Snowmobile Trail # 765 runs along Perry Road and Wilderness Road in the winter. There is also a motorcycle trail that loops through sections 28 and 33. The forest road that the motorcycle trail runs along in section 28 is proposed to be closed in order to prevent its use by 4 wheeled traffic. The reason for this is to limit erosion occurring along the forest road.

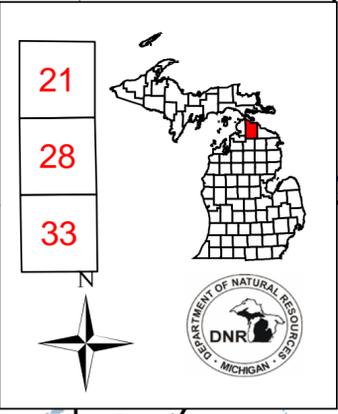
**Fire Protection:** No foreseen problems

**Additional Compartment Information:**

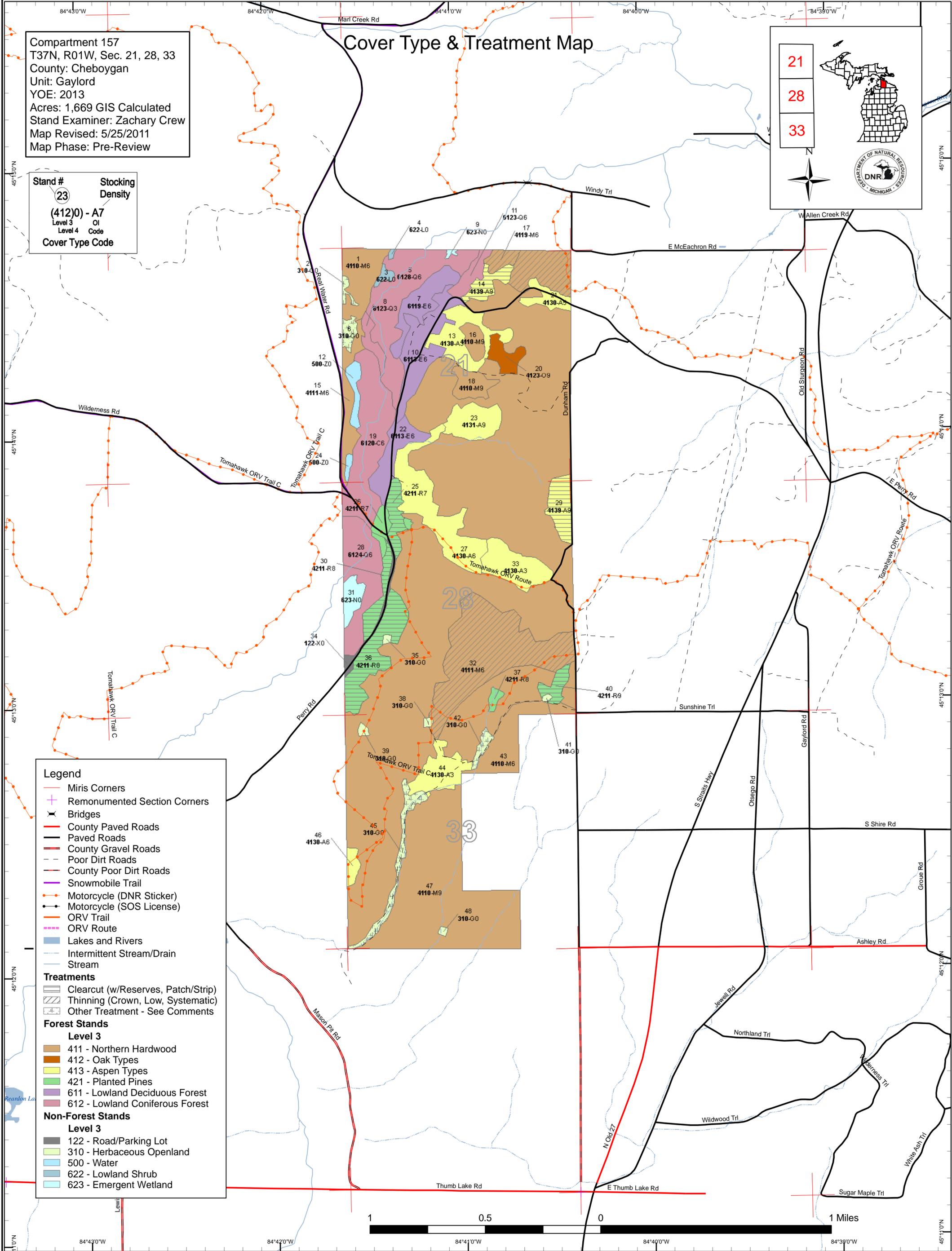
- **The following 3 reports from the IFMAP Inventory System are attached:**
  - ◆ **Cover Type by Age Class**
  - ◆ **Proposed Treatments – No Limiting Factors**
  - ◆ **Proposed Treatments – With Limiting Factors**
  
- **The following information is displayed, where pertinent, on the attached compartment maps:**
  - ◆ **Base feature information, stand numbers, cover types**
  - ◆ **Proposed treatments**
  - ◆ **Proposed road access system**
  - ◆ **Suggested potential and current SCA's**

# Cover Type & Treatment Map

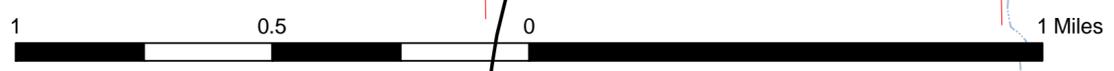
Compartment 157  
 T37N, R01W, Sec. 21, 28, 33  
 County: Cheboygan  
 Unit: Gaylord  
 YOY: 2013  
 Acres: 1,669 GIS Calculated  
 Stand Examiner: Zachary Crew  
 Map Revised: 5/25/2011  
 Map Phase: Pre-Review



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



- Legend**
- Miris Corners
  - ⊕ Remonumented Section Corners
  - ⌵ Bridges
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - - - Poor Dirt Roads
  - - - County Poor Dirt Roads
  - Snowmobile Trail
  - Motorcycle (DNR Sticker)
  - Motorcycle (SOS License)
  - ORV Trail
  - ORV Route
  - Lakes and Rivers
  - Intermittent Stream/Drain
  - Stream
- Treatments**
- ▨ Clearcut (w/Reserves, Patch/Strip)
  - ▨ Thinning (Crown, Low, Systematic)
  - ▨ Other Treatment - See Comments
- Forest Stands**
- Level 3**
- 411 - Northern Hardwood
  - 412 - Oak Types
  - 413 - Aspen Types
  - 421 - Planted Pines
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3**
- 122 - Road/Parking Lot
  - 310 - Herbaceous Openland
  - 500 - Water
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland



# Stand Boundary Map

Compartment 157  
 T37N, R01W, Sec. 21, 28, 33  
 County: Cheboygan  
 Unit: Gaylord  
 YOE: 2013  
 Acres: 1,669 GIS Calculated  
 Stand Examiner: Zachary Crew  
 Map Revised: 5/25/2011  
 Map Phase: Pre-Review

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

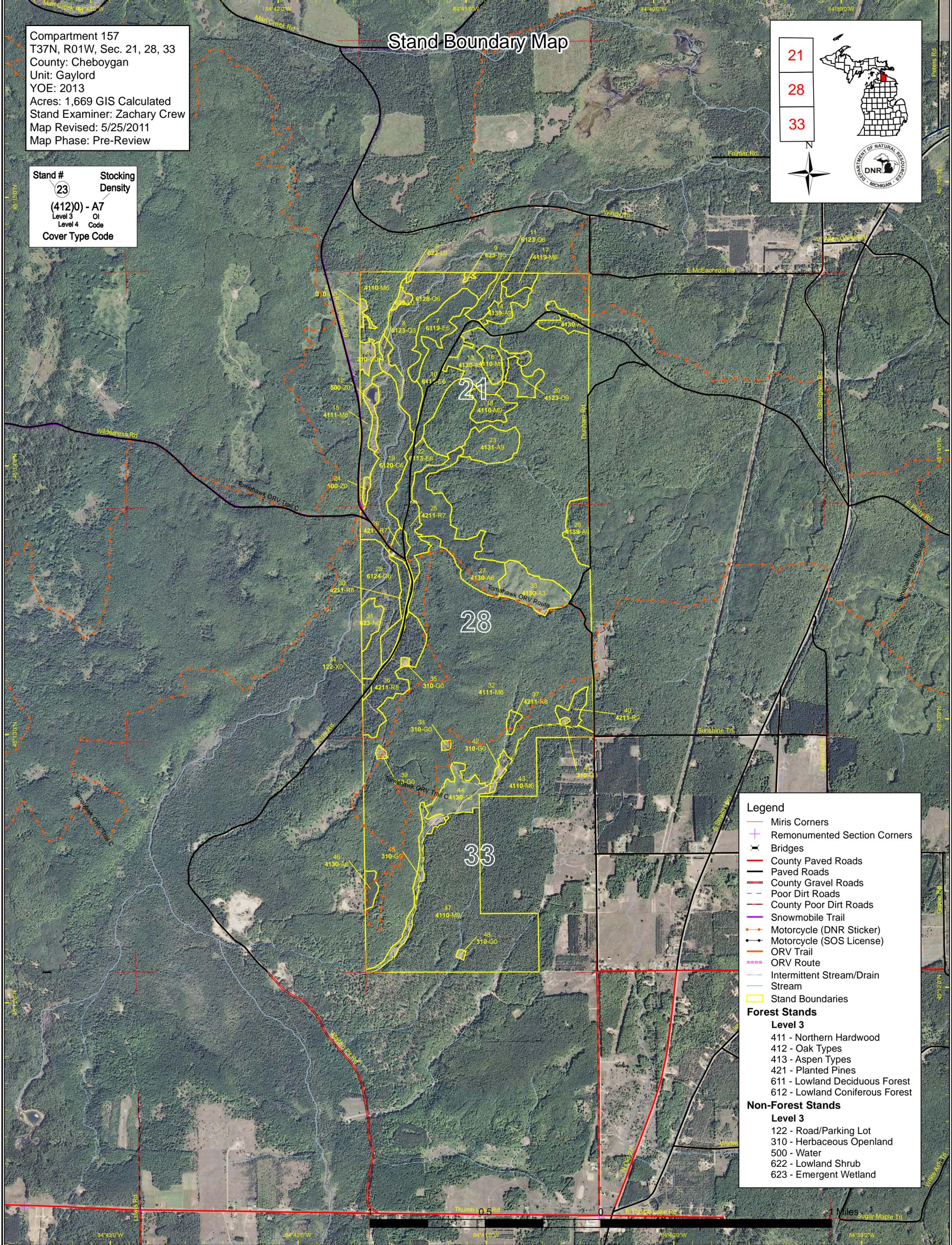
21

28

33







**Legend**

- Miris Corners
- + Remonumented Section Corners
- Bridges
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Snowmobile Trail
- Motorcycle (DNR Sticker)
- Motorcycle (SOS License)
- ORV Trail
- ORV Route
- Intermittent Stream/Drain
- Stream
- Stand Boundaries

**Forest Stands**

**Level 3**

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 421 - Planted Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

**Non-Forest Stands**

**Level 3**

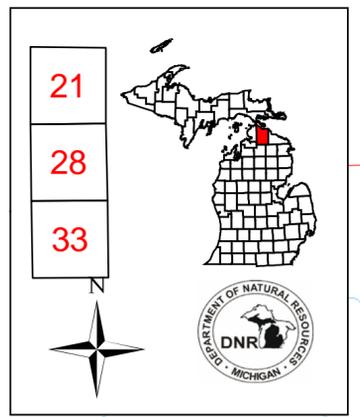
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



# Dedicated & Proposed Special Conservation Area Map

Compartment 157  
 T37N, R01W, Sec. 21, 28, 33  
 County: Cheboygan  
 Unit: Gaylord  
 YOE: 2013  
 Acres: 1,669 GIS Calculated  
 Stand Examiner: Zachary Crew  
 Map Revised: 5/25/2011  
 Map Phase: Pre-Review

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



**Legend**

- Miris Corners
- + Remonumented Section Corners
- Stand Boundaries
- Dedicated Special Conservation Areas**
- Cold Water Streams

**Forest Stands**

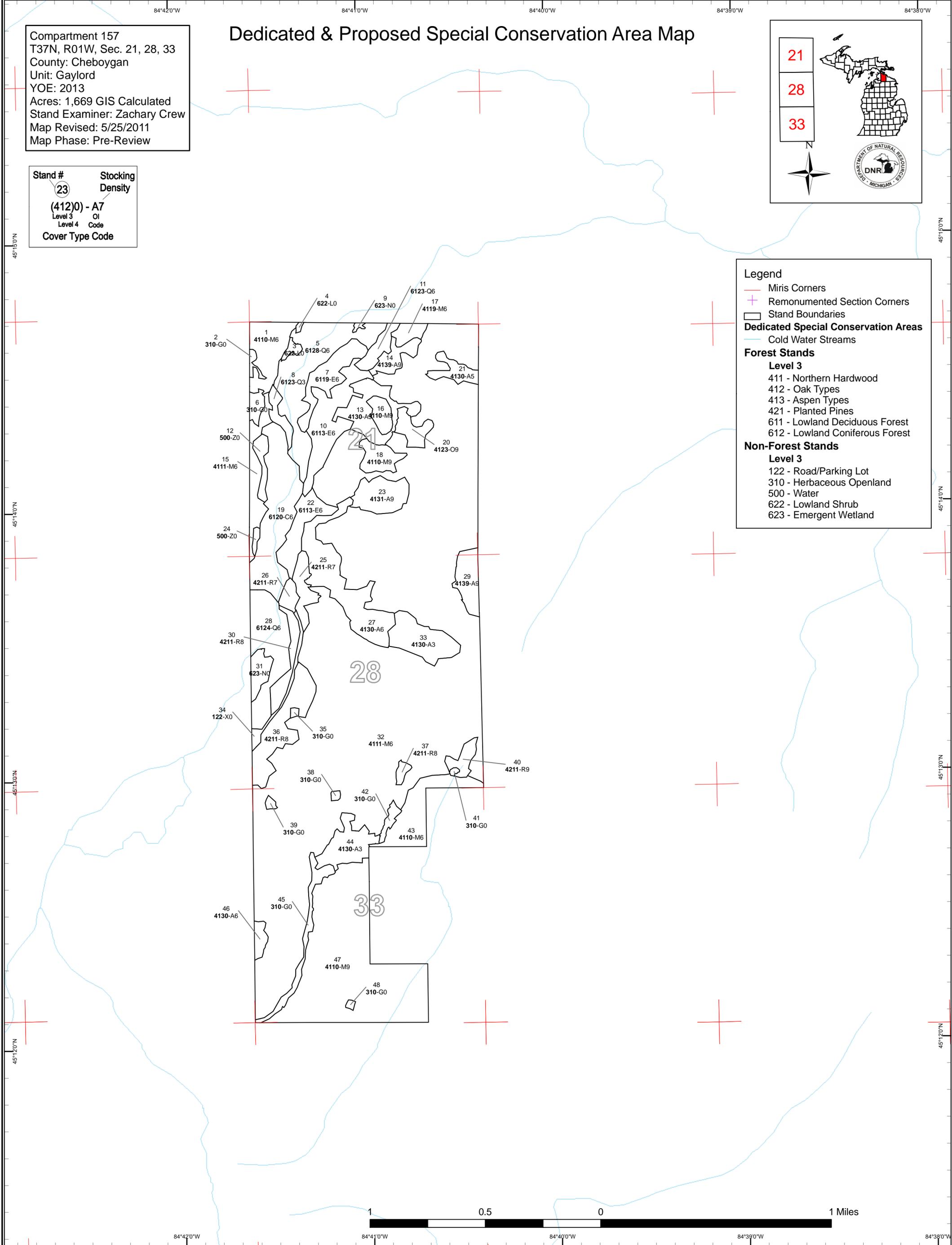
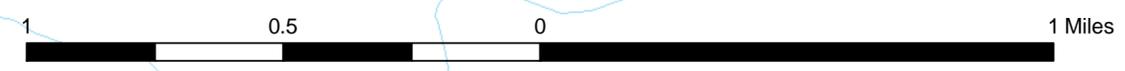
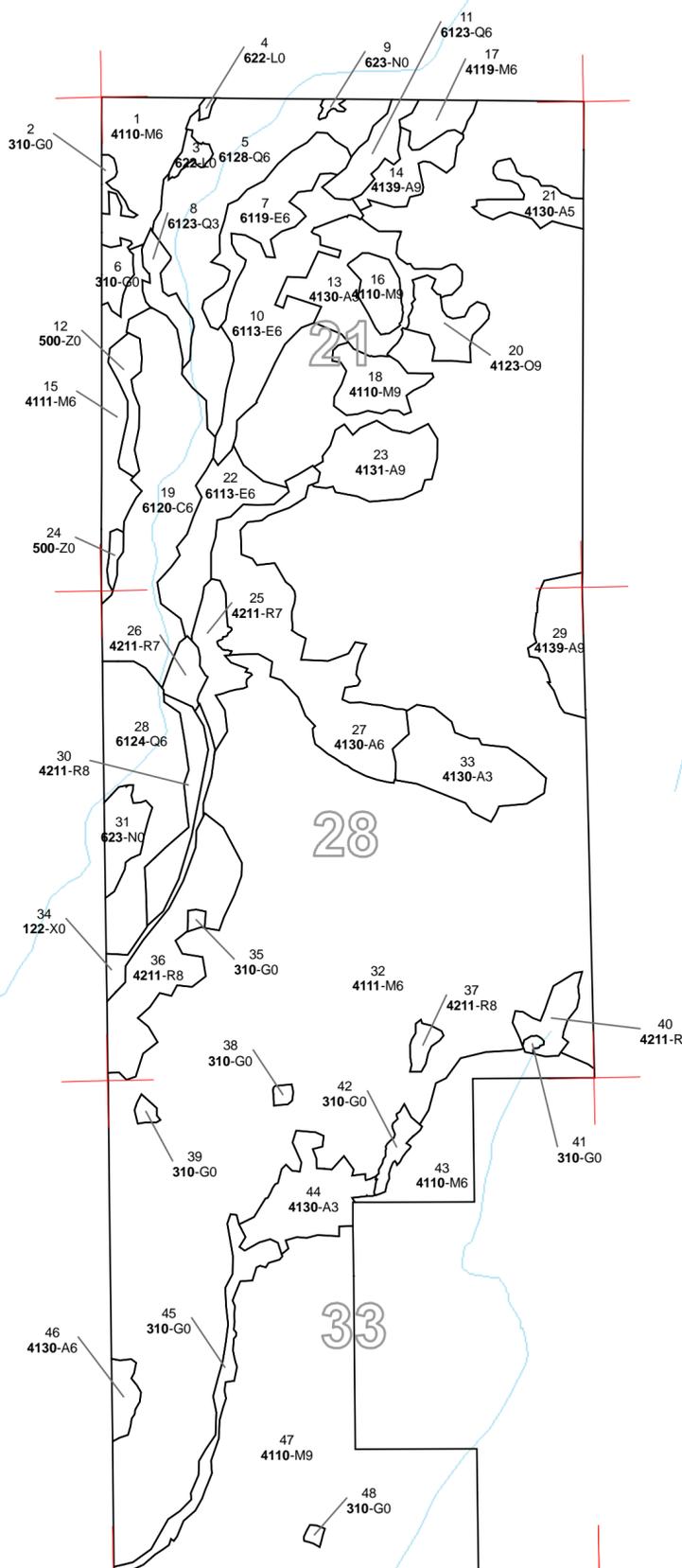
**Level 3**

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 421 - Planted Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

**Non-Forest Stands**

**Level 3**

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



**Table 1 – Total Acres by Cover Type and Age Class**



	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 +		Unretn Age
Aspen	0	72	0	5	49	0	9	30	15	0	0	0	0	0	0	180
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	58	0	0	58
Herbaceous Openland	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Lowland Conifers	0	7	0	0	0	0	9	0	0	99	0	0	0	0	0	115
Lowland Deciduous	0	0	0	0	0	0	0	55	0	21	0	0	0	0	0	77
Lowland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Marsh	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Northern Hardwood	0	0	0	0	0	0	0	43	1052	8	0	0	0	0	0	1103
Oak	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	10
Red Pine	0	0	0	0	0	0	0	0	71	0	0	0	0	0	0	71
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
<b>Total</b>	<b>55</b>	<b>78</b>	<b>0</b>	<b>5</b>	<b>49</b>	<b>0</b>	<b>18</b>	<b>129</b>	<b>1148</b>	<b>128</b>	<b>0</b>	<b>0</b>	<b>58</b>	<b>0</b>	<b>0</b>	<b>1669</b>



## Table 2 – Proposed Treatment Summaries

**Gaylord Mgt. Unit**  
**Year of Entry 2013**

**Compartment 157**  
**Total Compartment Acres: 1669**

### Acres by Treatment Type

Commercial Harvest - 216	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 24	Tree Seeding - 0	Pesticide - 0	

### Cover Type by Harvest Method

	<i>Clearcut</i>	<i>Selection</i>	<i>Seed Tree</i>	<i>Shelterwood</i>	<i>Thinning</i>	<i>Other - Specify</i>	<i>Total Acres</i>
<b>Aspen</b>	25	0	0	0	0	0	25
<b>Northern Hardwood</b>	0	0	0	0	130	0	130
<b>Red Pine</b>	60	0	0	0	0	0	60
<b>Total</b>	86	0	0	0	130	0	216

S  
t  
a  
n  
d

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
<b>14 52157014-Cut</b>	10.1	4139 - Aspen, Mixed Deciduous	High Density Log	64	Harvest	Clearcut	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription:</u> Clearcut stand to promote the regeneration of Aspen type. Be sure to extend sale boundary to edge of perry road in order to provide access.								
<u>Specs:</u> Objective is an aspen dominated stand.								
<u>Other Comments:</u> Do not allow harvesting in winter that would interfere with snowmobile recreation. No retention due to small stand size. Keep in mind that access to Perry Road may differ than what is drawn on the map and is up to the disgression of the forester conducting the sale.								
<u>Next Steps:</u> Continue to monitor the success of the regen								
<b>25 52157025-Cut</b>	10.8	42110 - Planted Red Pine	Low Density Log	75	Harvest	Clearcut with Reserves	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription:</u> Clearcut stand while leaving 20 BA of red pine as leave trees. This is to allow the stand to convert to a hardwood type. Use product length spec								
<u>Specs:</u> in order to minimize damage to residual hardwood saplings.								
<u>Other Comments:</u> When marking, mark trees to facilitate the use of skid rows in order to minimize damage to residual hardwood stems. This stand my not be harvested during snowmobile season due to it being adjacent to the snowmobile trail.								
<u>Next Steps:</u> Monitor regeneration.								
<b>29 52157029-Cut</b>	15.2	4139 - Aspen, Mixed Deciduous	High Density Log	71	Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> Clear cut stand, leaving large diameter red and white pine in overstory to add structure, as well as scattered beech (1-2 trees per acre) to provide								
<u>Specs:</u> mast production. Use tree length specs to enhance scarification, have cut done in summer and fall months. Treat with stand 18 in Compartment 158 for the 2011 YOE								
<u>Other Comments:</u> It is expected that a mix of bigtooth and quaking aspen would regenerate the stand with the possibility of scattered red and white pine seedlings and hardwood stump sprouts								
<u>Next Steps:</u> Continue to monitor regeneration								
<b>30 52157030-Cut</b>	10.0	42110 - Planted Red Pine	Medium Density Log	75	Harvest	Clearcut with Reserves	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription:</u> Clearcut stand while leaving 20 BA of red pine. Be sure to follow digitized stand boundaries in order to effectively buffer the Sturgeon River. Use								
<u>Specs:</u> the product length spec to minimize damage to residual hardwood saplings								
<u>Other Comments:</u> When marking, mark to facilitate the use of skid rows in order to minimize damage to residual hardwood saplings. The objective is to allow a hardwood stand to naturally seed in.								
<u>Next Steps:</u> monitor regeneration								
<b>32 52157032 small- Cut_small</b>	97.7	4111 - S.Maple, Hard Mast Association	High Density Pole	71	Harvest	Crown Thinning	4111 - S.Maple, Hard Mast Association	Cmpt. Review Proposal
<u>Prescription:</u> Thin stand to 75 to 85 BA, follow marking guidelines. BBD has been found in the stand so a larger percentage of Beech may need to be								
<u>Specs:</u> harvested. EAB has also been found near Walloon Lake so the Ash in the stand may also need to treated more aggresively than normal								
<u>Other Comments:</u> Be sure to only allow logging equipment to cross rec trail at right angles in a few spots. Do not mark aspen, leave to fall out of stand, this will contribute to wildlife trees as well as CWD, be sure to include the gas well in the SW corner in the treatment boundary in order to serve as a landing. Be sure to follow the crest of the hill along west and north sale boundary, may cause small changes in stand acreage.								
<u>Next Steps:</u> Continue to monitor growth of residual trees, and note any regeneration that occurs.								



Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
32	52157032-Cut	32.7	4111 - S.Maple, Hard Mast Association	High Density Pole	71	Harvest	Crown Thinning	4111 - S.Maple, Hard Mast Association	Cmpt. Review Proposal
<u>Prescription</u> Thin stand to 80-90 BA in order to promote growth of residual trees. Use regen gaps to promote uneven aged management and regeneration <u>Specs:</u> only if suitable large canopy trees need to be removed (not aspen)									
<u>Other Comments:</u> Be sure to only allow logging equipment to cross rec trail at right angles in a few spots. The objective is to promote the growth of the residual stems and if necessary create regen gaps. Treat with stands 1 and 9 in compartment 158 in 2011 YOE.									
<u>Next Steps:</u> monitor growth of residual stems and regen if any gaps utilized									
36	52157036-Cut	32.4	42110 - Planted Red Pine	Medium Density Log	75	Harvest	Clearcut with Reserves	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> Clearcut stand while leaving 20 BA of red pine for retention. Use the product length spec to minimize damage to residual hardwood saplings. <u>Specs:</u>									
<u>Other Comments:</u> When marking keep in mind possible skid rows to minimize damage to residual hardwood saplings. The objective is well stocked hardwood stand.									
<u>Next Steps:</u> Let natural hardwood stand develop and monitor regeneration									
40	52157040-Cut	7.1	42110 - Planted Red Pine	High Density Log	75	Harvest	Clearcut	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> Clearcut stand, leave no retention due to the small size. Use product length spec to protect residual hardwood stems. <u>Specs:</u>									
<u>Other Comments:</u> The purpose is to let a natural hardwood stand develop									
<u>Next Steps:</u> monitor hardwood regeneration									
2	NF_52157002-NonFor	2.1	Non-Forested		0	Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<u>Prescription</u> Conduct opening maintenance using whatever techniques deemed necessary from the appropriate wildlife personnel <u>Specs:</u>									
<u>Other Comments:</u>									
<u>Next Steps:</u> monitor success of treatment									
6	NF_52157006-NonFor	4.7	4139 - Aspen, Mixed Deciduous		71	Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<u>Prescription</u> Conduct opening maintenance using methods approved by wildlife personnel <u>Specs:</u>									
<u>Other Comments:</u>									
<u>Next Steps:</u> monitor success of the treatment									
42	NF_52157042-NonFor	3.8	Non-Forested		0	Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<u>Prescription</u> Conduct opening maintenance using methods approved by wildlife personnel <u>Specs:</u>									
<u>Other Comments:</u>									
<u>Next Steps:</u> monitor the success of the treatment									

**Table 3 -- Treatments Prescribed  
with No Limiting Factor**



S  
t  
a  
n  
d

	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
45	NF_52157045- NonFor	13.3	Non-Forested		0	Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal

Prescription Conduct opening maintenance using methods approved by wildlife personnel

Specs:

Other

Comments:

Next monitor success of the treatment

Steps:

---

**Total Treatment  
Acreage Proposed: 240.0**

**Table 4 -- Treatments Prescribed with a Limiting Factor**



S  
t  
a  
n  
d

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
----------------	-------	------------------	--------------	-----------	----------------	------------------	----------------------	-----------------

#Error

Prescription Specs:

Other Comment:

Next Steps:

Limiting Factor and No Treatment Reason

**Total Treatment Acreage Proposed: 0**

Out of YOE -- Treatments  
Prescribed with No Limiting Factor

Year of Entry: 2013



---

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
----------------	-------	------------------	--------------	-----------	----------------	------------------	----------------------	-----------------

---

Prescription  
Specs:

Other  
Comments:

Next  
Steps:

---

**Total Treatment  
Acreage Proposed: 0**

S  
t  
a  
n  
d

## Gaylord Mgt. Unit

## 5 – Forested Stands

Compartment: 157  
Year of Entry: 2013

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4110 - Sugar Maple Association	High Density Pole	25.7	67		Really poor quality hardwood, kalkaska sand
5	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	59.7	80		Many small streams that feed into the West Branch of the Sturgeon
7	6119 - Mixed Lowland Deciduous Forest	High Density Pole	21.3	80		Swamp hardwoods giving way to cedar towards the west, old railroad grade on east side of stand
8	6123 - Lowland Fir	High Density Sapling	6.7	7		Dead cedar and balsam in overstory, tons of balsam fir and cedar seedlings, impossible to tell age
10	6113 - Lowland Maple	High Density Pole	35.7	64		Similiar to Pre Inventory Stand 41 except with a higher component of balsam fir
11	6123 - Lowland Fir	High Density Pole	8.8	51		scattered hemlock, stand consists of lowland and slope descending from stand to the east
13	4130 - Aspen	High Density Sapling	25.7	6		More Extreme Aspen, cut last YOE
14	4139 - Aspen, Mixed Deciduous	High Density Log	10.1	64		Several nice clones of aspen, sever slope between this stand and stand to the west
15	4111 - S.Maple, Hard Mast Association	High Density Pole	17.8	69	81-110	Very steep/inoperable, slopes down to west branch of sturgeon
16	4110 - Sugar Maple Association	High Density Log	7.6	80	111-140	M9 surrounded by Aspen cut, very nice stand, BA = 123, to small and difficult to get to to treat on its own.
17	4119 - Mixed Northern Hardwoods	High Density Pole	6.4	79	111-140	Hardwood stand of fair quality, some heavily declining clones of aspen
18	4110 - Sugar Maple Association	High Density Log	11.7	79	81-110	Lots of blowdown, some dead Beech in the canopy, AVG BA = 110
19	6120 - Lowland Cedar	High Density Pole	58.4	110		Stream corridor
20	4123 - Red Oak	High Density Log	9.5	74	51-80	Lots of NRO on steep slopes, kalkaska sand
21	4130 - Aspen	Medium Density Pole	9.1	55		Low quality hdwd brush in understory, a few clones of scattered big tooth and quaking aspen, mancelona sand
22	6113 - Lowland Maple	High Density Pole	19.7	61		dominated by red maple and sugar maple, some nice aspen stems, soil seems very wet
23	4131 - Aspen, Oak	High Density Log	19.8	68		Could be treated except for harvesting issues due to steep terrain

S  
t  
a  
n  
d

## Gaylord Mgt. Unit

## 5 – Forested Stands

Compartment: 157  
Year of Entry: 2013

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
25	42110 - Planted Red Pine	Low Density Log	11.8	75		Scattered large Red Pine in overstory
26	42110 - Planted Red Pine	Low Density Log	5.2	75		Scattered red pine with an understory of jack pine? and hardwood brush
27	4130 - Aspen	High Density Pole	49.3	32		sever slope in NW corner, access not good in most of stand
28	6124 - Lowland Spruce-Fir	High Density Pole	39.6	83		Corridor for west branch of the sturgeon river
29	4139 - Aspen, Mixed Deciduous	High Density Log	15.2	71		Low Quality Hardwood Stand, kalkaska sand
30	42110 - Planted Red Pine	Medium Density Log	11.7	75	81-110	Similar to Red Pine stand to the east, BA around 93
32	4111 - S.Maple, Hard Mast Association	High Density Pole	842.6	71	81-110	Scattered areas of beech scale, very hilly, terrain would make operations difficult, AVG BA = 98
33	4130 - Aspen	High Density Sapling	25.1	6		More Extreme Aspen cut last YOE
36	42110 - Planted Red Pine	Medium Density Log	32.4	75	81-110	Average BA about 85
37	42110 - Planted Red Pine	Medium Density Log	2.6	75		orv trail right through the center of stand
40	42110 - Planted Red Pine	High Density Log	7.1	75	51-80	Traces of hardwood in the canopy, which are mostly pockets of SM and Basswood
43	4110 - Sugar Maple Association	High Density Pole	30.1	72	81-110	thinned last YOE, average BA = 84
44	4130 - Aspen	High Density Sapling	20.9	6		More Extreme Aspen Cut, mostly bigtooth, good regen
46	4130 - Aspen	High Density Pole	4.8	28		aspen beginning to develop into poles
47	4110 - Sugar Maple Association	High Density Log	161.5	71	51-80	Thinned last YOE by contract (Dan's the man), average BA = 76



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	310 - Herbaceous Openland	2.1	N/A	Unspecified	
3	622 - Lowland Shrub	2.4	N/A	Unspecified	
4	622 - Lowland Shrub	0.6	N/A	Unspecified	
6	310 - Herbaceous Openland	4.7	N/A	Unspecified	
9	623 - Emergent Wetland	0.8	N/A	Unspecified	
12	50 - Water	6.5	N/A	Unspecified	
24	50 - Water	1.6	N/A	Unspecified	
31	623 - Emergent Wetland	8.6	N/A	Unspecified	
34	122 - Road/Parking Lot	6.1	N/A	Unspecified	
35	310 - Herbaceous Openland	0.9	N/A	Unspecified	
38	310 - Herbaceous Openland	1.0	N/A	Unspecified	
39	310 - Herbaceous Openland	1.3	N/A	Unspecified	
41	310 - Herbaceous Openland	0.7	N/A	Unspecified	
42	310 - Herbaceous Openland	3.8	N/A	Unspecified	
45	310 - Herbaceous Openland	13.3	N/A	Unspecified	
48	310 - Herbaceous Openland	0.8	N/A	Unspecified	



### 7 – 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.

Stand	SCA Type	SCA Name	Acres	Comments
-------	----------	----------	-------	----------



**8 – 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 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.