



# Compartment Review Presentation

## Gaylord Forest Management Unit

Compartment 15

Entry Year 2015

Acreage: 3,540

County Otsego

Management Area: Camp Grayling

**Revision Date:** 04/10/2013

**Stand Examiner:** Ric Barta

### Legal Description:

Chester Township, T29N, R02W, Sections: 28-33.

### Identified Planning Goals:

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

### Soil and topography:

This compartment is level to gently rolling and is covered with stands of aspen and/or oak except where military use maintains a large grassy expanse in the bombing range. Soils consist of Roselawn, Rubicon and Grayling sands.

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

The six sections that make up the compartment are entirely under state ownership except for 160 acres in the very northwest corner. All the State land in the compartment that is south of the river is leased by Camp Grayling, as is adjacent land to the north, east and south. Adjacent private land to the north and west comprise the residential areas around Chub and Guthrie Lakes. Oil and gas development exists on the private lands around the compartment.

### Unique Natural Features:

There is potential for a number of threatened/endangered species of dry prairie plants and animals in the grassy openings.

### Archeological, Historical, and Cultural Features:

There are HAL concerns associated with section 30.

### Special Management Designations or Considerations:

Military lease.

### Watershed and Fisheries Considerations:

This compartment is in the Au Sable River watershed. The western portion is in the Chub Creek subwatershed, the central portion is in the E Br Au Sable River subwatershed, and the east portion is in the North Branch Au Sable river subwatershed. Chub Creek flows through this compartment. Natural Rivers buffer should be used adjacent to this stream.

### Wildlife Habitat Considerations:

This compartment consists mostly of upland areas consisting of aspen and mixed oak. Harvest will concentrate on regenerating the oak for future mast production while leaving clumps and scattered individual islands of mature oak for current mast production and a seed source. There will also be some aspen treated to diversify the aspen age class within the compartment and provide early successional habitat that benefits white-tailed deer, wild turkey, grouse, woodcock, and various songbirds. This area receives significant hunting pressure for white-tailed deer, grouse, woodcock, and wild turkey.

### Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 800 feet. The Mississippian Coldwater Shale subcrops below the glacial drift and does not have an economic use. The nearest gravel pit is located three miles to the south, but potential should be good on the uplands. Most of the compartment has not been developed for Antrim Shale gas production – State Military Board. One Niagaran reef well has been directionally drilled under Section 28 and there may be additional potential for the Niagaran reef trend.

### Vehicle Access:

Military use has created an extensive system of rough trails throughout most of the compartment, so while the bombing range itself (behind the fence) is off limits to the general public, most of the compartment is readily accessible.

### Survey Needs:

None at this time.

**Recreational Facilities and Opportunities:**

This area provides plenty of opportunity for hunting. In addition, it appears to get a fair amount of use by snowmobilers, and there is some dispersed camping occurring along the river.

**Fire Protection:**

**Additional Compartment Information:**

The following reports from the Inventory are attached:

- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

# Cover Type & Treatment Map

Compartment: 015  
 T29N R02W Sec. 28-33  
 County: Otsego  
 Unit: Gaylord  
 YOE: 2015  
 Acres: 3,509 GIS Calculated  
 Examiner: Ric Barta  
 Map Revised: 03/18/2014  
 Map Phase: Post-Review

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

30	29	28
31	32	33

N

**Legend**

- Remunemented Section Corners
- Miris Corners
- PLSS Corner
- Unclassified Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Pipeline
- Powerline
- Fence
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land

**Treatments Post Review**

- Clearcut (w/Reserves, Patch/Strip)

**Forest Stands**

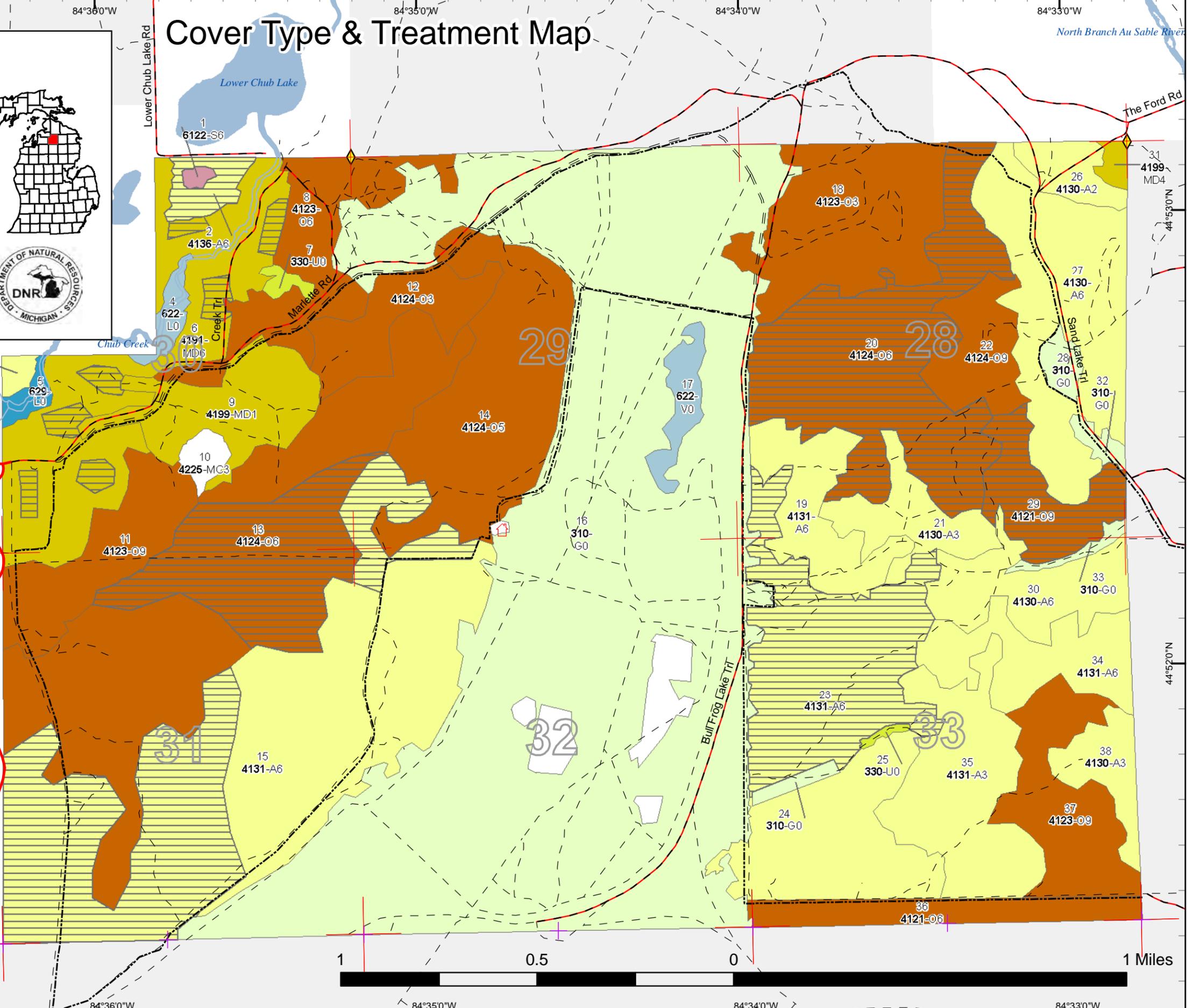
Level 3

- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest

**Non-Forest Stands**

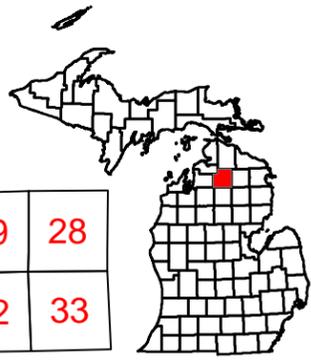
Level 3

- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland



# Stand Boundary Map

Compartment: 015  
 T29N R02W Sec. 28-33  
 County: Otsego  
 Unit: Gaylord  
 YOE: 2015  
 Acres: 3,509 GIS Calculated  
 Examiner: Ric Barta  
 Map Revised: 03/18/2014  
 Map Phase: Post-Review



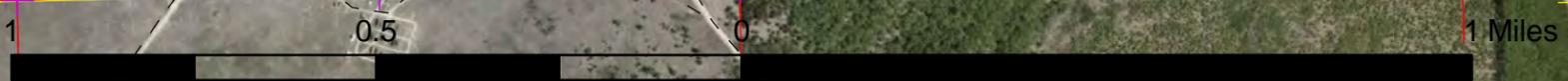
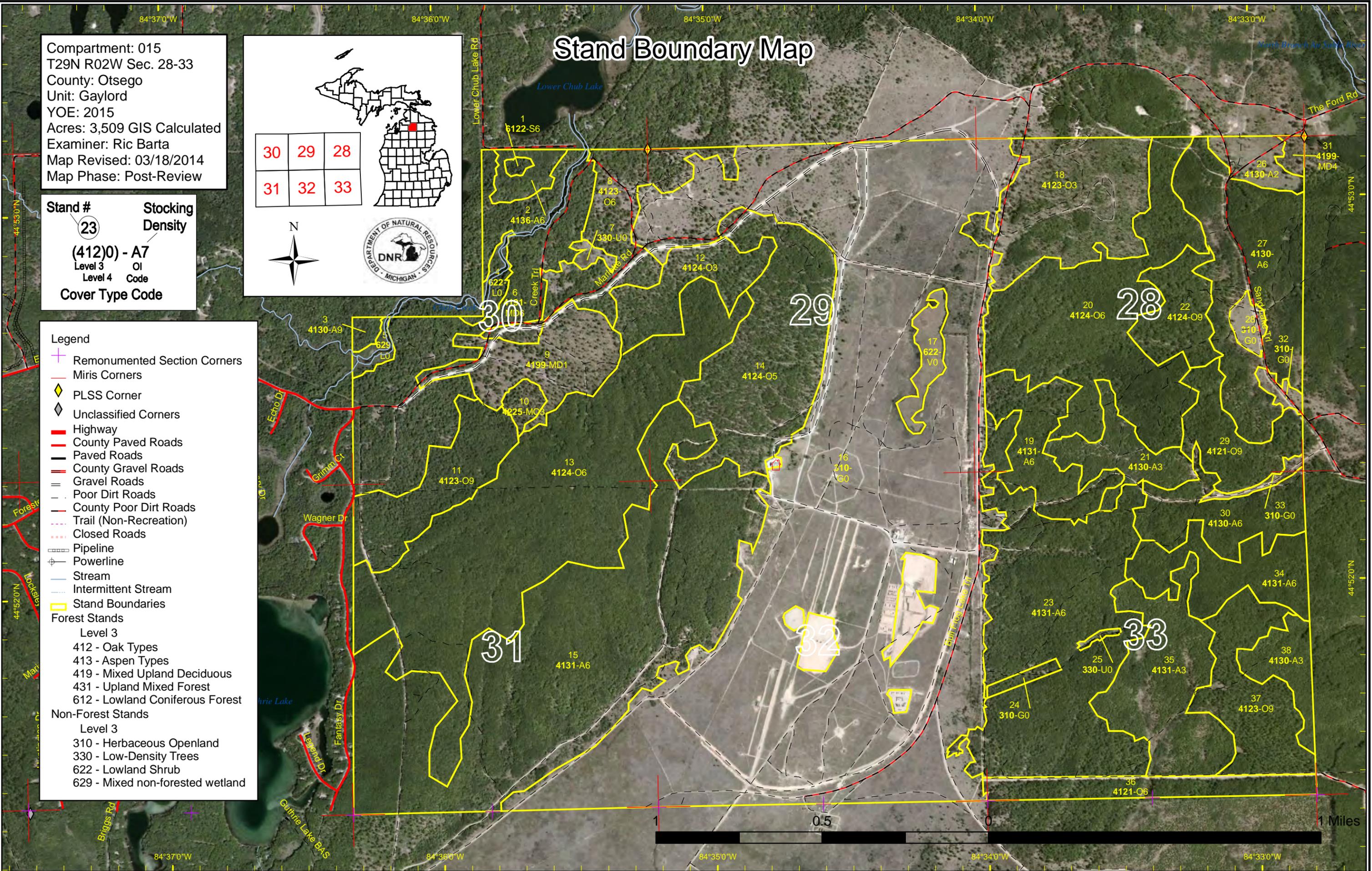
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N



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

- Legend**
- ⊕ Remonumented Section Corners
  - ⊖ Miris Corners
  - ◆ PLSS Corner
  - ◇ Unclassified Corners
  - ▬ Highway
  - ▬ County Paved Roads
  - ▬ Paved Roads
  - ▬ County Gravel Roads
  - ▬ Gravel Roads
  - ▬ Poor Dirt Roads
  - ▬ County Poor Dirt Roads
  - ▬ Trail (Non-Recreation)
  - ▬ Closed Roads
  - ▬ Pipeline
  - ⚡ Powerline
  - ▬ Stream
  - ▬ Intermittent Stream
  - ▬ Stand Boundaries
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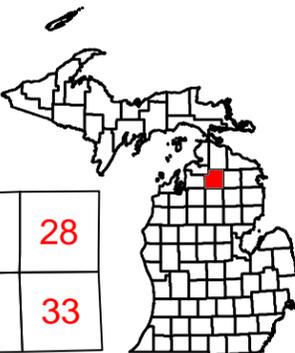
# Special Conservation Areas & Site Conditions Map

## Legend

- + Remonumented Section Corners
- Miris Corners
- Stand Boundaries
- Site Condition Available
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)
- Site Condition Type
- Available Factors W/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable Factors
- 3C: Designated Quiet Area, Natural Area, or Wilderness
- 3F: Military easement / lease
- Dedicated Special Conservation Areas
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- High Priority Trout Stream Buffer
- Research, Development, and Military Lands

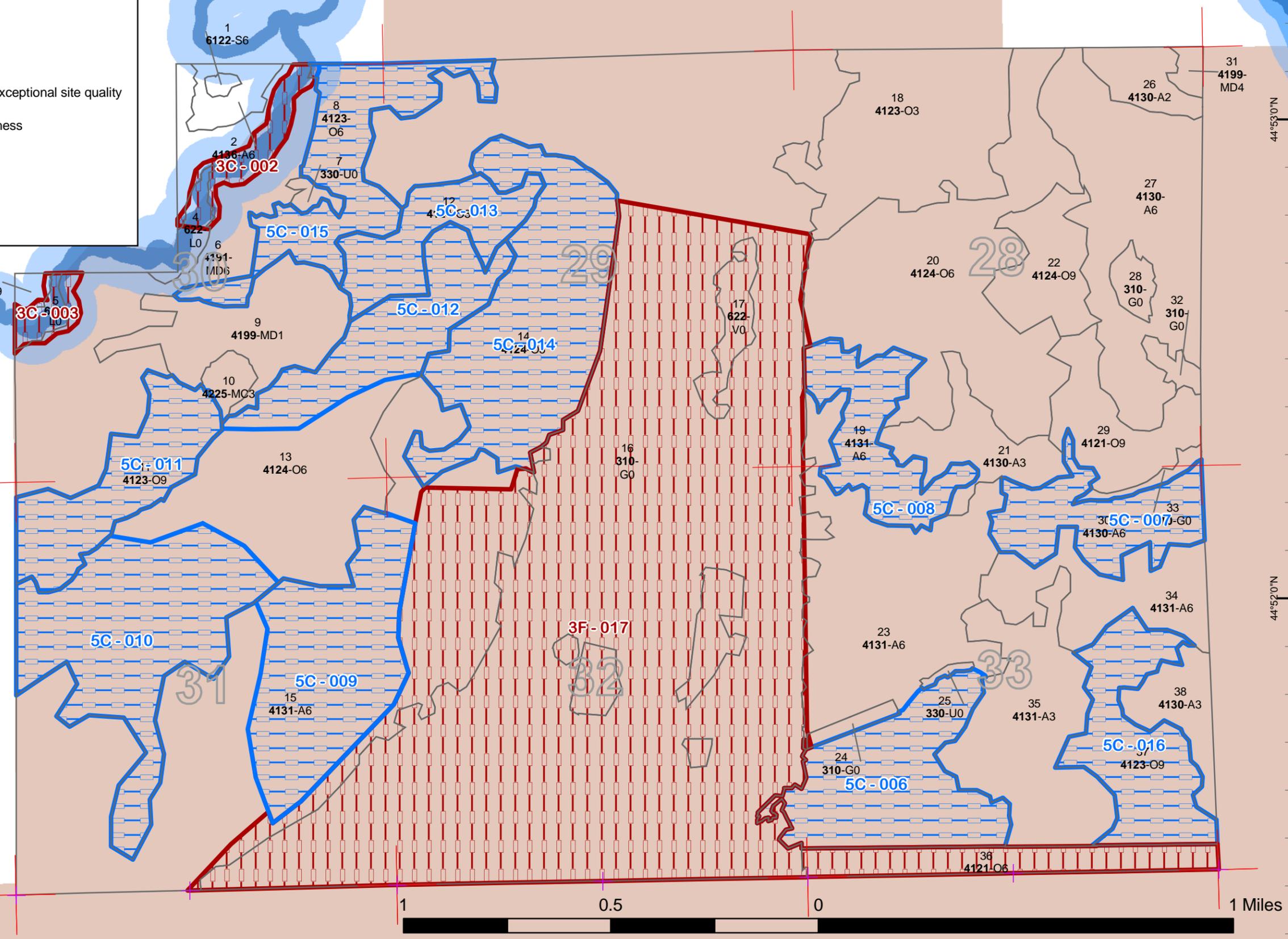
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 T29N R02W Sec. 28-33  
 County: Otsego  
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 Examiner: Ric Barta  
 Map Revised: 03/18/2014  
 Map Phase: Post-Review

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



30	29	28
31	32	33



84°37'0"W      84°36'0"W      84°35'0"W      84°34'0"W      84°33'0"W

44°53'0"N

44°53'0"N

44°52'0"N

44°52'0"N

84°37'0"W      84°36'0"W      84°35'0"W      84°34'0"W      84°33'0"W

1 Miles

# Cover Type & Treatment Map

Compartment: 015  
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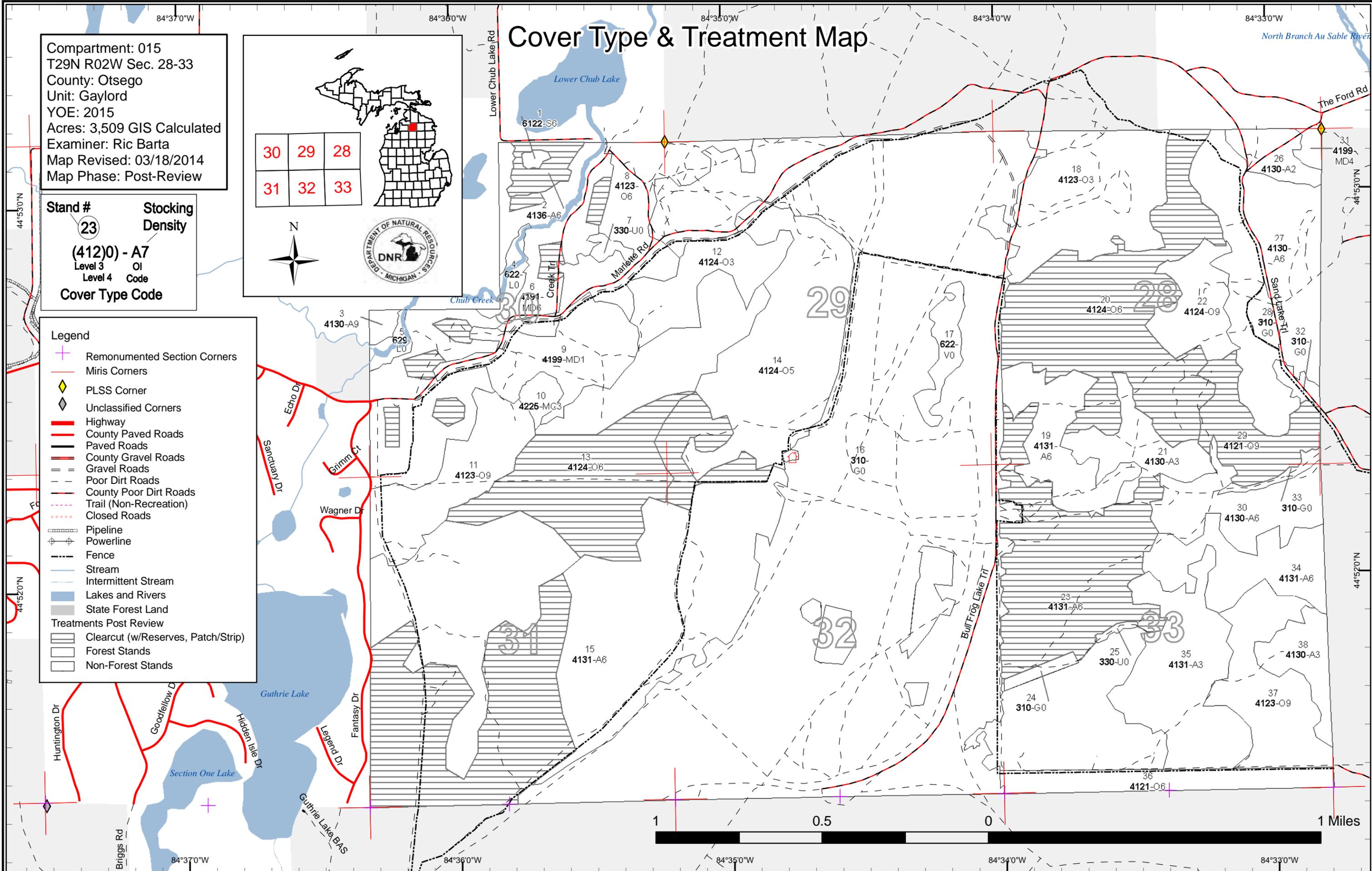
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**Legend**

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**Treatments Post Review**

- Clearcut (w/Reserves, Patch/Strip)
- Forest Stands
- Non-Forest Stands



84°37'0"W 84°36'0"W 84°35'0"W 84°34'0"W 84°33'0"W

44°53'0"N 44°52'0"N 44°51'0"N

Report 1 – Total Acres by Cover Type and Age Class



	Age Class													Total	
	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 +		Uneven Age
Aspen	20	161	128	0	738	19	55	0	0	0	0	0	0	0	1121
Bog	17	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Herbaceous Openland	997	0	0	0	0	0	0	0	0	0	0	0	0	0	997
Low-Density Trees	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Shrub	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
Mixed Upland Deciduous	64	0	0	5	0	0	0	0	0	0	154	0	0	0	223
Natural Mixed Pines	0	0	8	0	0	0	0	0	0	0	0	0	0	0	8
Oak	108	0	47	0	0	0	0	39	783	0	77	65	0	0	1118
Sand, Soil	32	0	0	0	0	0	0	0	0	0	0	0	0	0	32
<b>Total</b>	<b>1260</b>	<b>161</b>	<b>182</b>	<b>5</b>	<b>738</b>	<b>19</b>	<b>55</b>	<b>39</b>	<b>785</b>	<b>0</b>	<b>231</b>	<b>65</b>	<b>0</b>	<b>0</b>	<b>3540</b>



## Report 2 – Proposed Treatment Summaries

**Gaylord Mgt. Unit**  
**Year of Entry 2015**

**Compartment 015**  
**Total Compartment Acres: 3,540**

### Acres by Treatment Type

Commercial Harvest - 704    Tree Planting - 0    Other - 0  
 Habitat Cut - 0    Opening Maintenance - 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 Types</b>	349	0	0	0	0	0	349
<b>Mixed Upland Deciduous</b>	27	0	0	0	0	0	27
<b>Oak Types</b>	328	0	0	0	0	0	328
<b>Total</b>	<b>704</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>704</b>



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
2	52015002-Cut	14.4	4136 - Aspen, Mixed Conifer	High Density Pole	54	81-110	Harvest	Clearcut with Reserves	4130 - Aspen	Fld. Tr. Bdy. - Incomplete

Prescription Clearcut with retention placed to buffer the road. Protect the bog (Stand 1). Leave all oak.

Specs:

Other

Comments:

Next Steps: Monitor regeneration three years after harvest. Aspen is preferred but expect a red maple component. A somewhat mixed stand is acceptable.

Proposed

Start Date: 10/01/2014

6	52015006-Cut	26.6	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	106	81-110	Harvest	Patch or Strip Clearcut	4131 - Aspen, Oak	Fld. Tr. Bdy. - Incomplete
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Prescription Clearcut openings of 2-4 acres, focusing on patches of mature oak and aspen clones, with the intent to regenerate oak and aspen. Total harvest area should be 15-25% of the stand acreage. The polygons on the GDSE are not hard and fast; the mini-clearcuts should be placed as to optimize the regeneration of aspen clones and oak patches.

Other

Buffer Chub Creek (150'), which has Natural River status.

Comments:

Next Steps: Monitor for regeneration 3 years after harvest.

Proposed

Start Date: 10/01/2014

13	52015013_cut- Cut	106.8	4124 - Red with White Oak	High Density Pole	84	81-110	Harvest	Clearcut with Reserves	4124 - Red with White Oak	Fld. Tr. Bdy. - Incomplete
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Prescription Clearcut. Leave less than 10 BA of oak for wildlife, in clumps of several trees.

Specs:

Other

Comments:

Next Steps: Check for regeration 3 years after the harvest. Optimal would be an oak/aspen mix with oak dominating. Some red maple is to be expected.

Proposed

Start Date: 10/01/2014

15	52015015_nor thcut-Cut	31.9	4131 - Aspen, Oak	High Density Pole	49	1-50	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Fld. Tr. Bdy. - Incomplete
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Prescription Clearcut. Retain 3-10% of stand acres as several islands. In the cut areas mark to save less than 10 BA of oak in clumps of 2-5.

Specs:

Other

Comments:

Next Steps: Check for regeration 3 years after the harvest. Optimal would be an aspen/oak mix with aspen dominating. Some red maple is to be expected.

Proposed

Start Date: 10/01/2014



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
15 52015015_southcut-Cut	165.4	4131 - Aspen, Oak	High Density Pole	49	1-50	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Fld. Tr. Bdy. - Incomplete

Prescription Clearcut. Retain 3-10% of the stand acreage as islands, and in the cut areas leave less than 10 BA of oak in clumps of several trees.

Specs:

Other

Comments:

Next Steps: Check for regeneration 3 years after the harvest. Optimal would be an aspen/oak mix with aspen dominating. Some red maple is to be expected.

Proposed

Start Date: 10/01/2014

20 52015020-Cut	176.4	4124 - Red with White Oak	High Density Pole	84	81-110	Harvest	Clearcut with Reserves	4121 - Oak, Aspen	Fld. Tr. Bdy. - Incomplete
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Prescription Clearcut. Retain less than 10BA of oak for wildlife in clumps of several trees.

Specs:

Other

Comments:

Next Steps: Check for regeneration 3 years after the harvest. Optimal would be an oak/aspen mix with oak dominating. Some red maple is to be expected.

Proposed

Start Date: 10/01/2014

23 52015023-Cut	137.6	4131 - Aspen, Oak	High Density Pole	49	51-80	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Fld. Tr. Bdy. - Incomplete
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Prescription Clearcut. Retain 3-10% of the AOI acreage as islands. Leave all oak.

Specs:

Other

Comments:

Next Steps: Check for regeneration 3 years after the harvest. Optimal would be an aspen/oak mix with aspen dominating. Some red maple is to be expected.

Proposed

Start Date: 10/01/2014

29 52015029-Cut	45.1	4121 - Oak, Aspen	High Density Log	84	81-110	Harvest	Clearcut with Reserves	4121 - Oak, Aspen	Fld. Tr. Bdy. - Incomplete
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Prescription Clearcut. Retain less than 10 BA of oak in clumps of several trees.

Specs:

Other

Comments:

Next Steps: Check for regeneration 3 years after the harvest. Optimal would be an oak/aspen mix with oak dominating. Some red maple is to be expected.

Proposed

Start Date: 10/01/2014

**Total Treatment  
Acreage Proposed: 704.4**



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Type! #Type!

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Type!

Limiting Factor

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**Total Treatment**  
**Acreage Proposed: 0.0**

## Report 5 – Site Conditions

Gaylord Mgt. Unit  
Ric Barta : Examiner

Compartment 015  
Year of Entry 2015

### Availability for Management

Total Acres	Acres		Dominant Site Conditions	Dominant Site Conditions			
	Available	Not Available		No	5C	3F	3C
1120	1033	87	<b>Aspen</b>	719	314	86	1
2	2		<b>Lowland Spruce/Fir</b>	2			
223	202	21	<b>Mixed Upland Deciduous</b>	202			21
8	8		<b>Natural Mixed Pines</b>	8			
1117	1076	42	<b>Oak</b>	475	601	41	0
2,471	2,322	149	Total Forested Acres	1,406	916	127	22
	94%	6%	Relative Percent				

*\*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
002	Not Available	<b>3C: Designated Quiet Area, Natural Area, or Wilderness</b>	22				
<b>Comments:</b> Natural River buffer.							
003	Not Available	<b>3C: Designated Quiet Area, Natural Area, or Wilderness</b>	12				
<b>Comments:</b> Natural River buffer.							
006	Available	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	93				
<b>Comments:</b>							

Report 5 – Site Conditions

Gaylord Mgt. Unit  
Ric Barta : Examiner

Compartment 015  
Year of Entry 2015

007	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	56	
Comments:				
008	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	54	
Comments:				
009	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	112	
Comments:				
010	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	135	
Comments:				
011	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	65	
Comments:				
012	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	67	
Comments:				

Report 5 – Site Conditions

Gaylord Mgt. Unit  
 Ric Barta : Examiner

Compartment 015  
 Year of Entry 2015

013	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	47
<b>Comments:</b>			
014	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	141
<b>Comments:</b>			
015	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	76
<b>Comments:</b>			
016	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	70
<b>Comments:</b>			
017	Not Available	3F: Military easement / lease	910
<b>Comments:</b> Camp Grayling bombing range.			



### Report 6 – 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.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
<b>Comments</b>				

**Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

\* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

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	Research and Military Areas	These areas provide facilities and lands specifically dedicated for research, or other purposes. They include the 5,847 acre Forest Fire Experiment Station, the 12,000 acre Houghton Lake Wildlife Research Area, the Beaver Islands Archipelago Wildlife Research Area (that includes most of Garden Island, all of High and Hog Islands, all state owned land on Beaver, South Fox and North Fox Islands), the Cusino Wildlife Research Area, the 3,000 acre Hunt Creek Fisheries Research Station, the 125 acre Wyman Nursery, and over 144,000 acres of Military Lands.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.

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## Gaylord Mgt. Unit

## Report 8 – Forested Stands

Compartment: 015

Year of Entry: 2015



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6122 - Black Spruce	High Density Pole	2.2	89	81-110	Unique in this compartment. Boggy groundcover with Labrador tea.
2	4136 - Aspen, Mixed Conifer	High Density Pole	14.4	54	81-110	Occasional white oak, and red oak logs. Will easily hold another 10 years if desirable. Chub Creek is a natural river. Protect oak if this is cut.
3	4130 - Aspen	High Density Log	4.8	54		Old enough to cut but no access and much of the stand's 5 acres is in the natural river buffer.
6	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	154.4	106	81-110	Regenerating well to white pine. Some of the young white pine was underplanted. The stand includes a thin band along the river that holds some swamp conifers and white birch. Natural river runs through.
8	4123 - Red Oak	High Density Pole	76.7	106	1-50	Savannah-like in places
9	4199 - Other Mixed Upland Deciduous	Low Density Sapling	63.9	8		Recent cut in a stand that was not heavily stocked to begin with, so current regeneration is patchy. Less than 10 BA of oak logs were left for mast. Stumps are sprouting well. There doesn't seem to be much apparent expansion of aspen.
10	42250 - Pine, Oak	High Density Sapling	8.2	28	51-80	Appears to be planted white pine under oak. Stocking is a little sporadic. Some oak regeneration.
11	4123 - Red Oak	High Density Log	65.2	113	51-80	Selection cut in 1985. Nice mix of oak and pine.
12	4124 - Red with White Oak	High Density Sapling	46.5	28		Significant overtopping red oak poles and logs, but essentially a regenerating stand. Cut in 1986. Erratic stocking.
13	4124 - Red with White Oak	High Density Pole	309.0	84	81-110	Quite a bit of oak regen mixed with relatively fewer trees of size in the east end.
14	4124 - Red with White Oak	Medium Density Pole	141.1	84	81-110	Recently cut as Badger Oak.
15	4131 - Aspen, Oak	High Density Pole	396.0	49	1-50	Erratic stocking. At least parts of this stand appear to have been burnt. Patches of oak regeneration.
18	4123 - Red Oak	High Density Sapling	107.7	8		Recently cut as Sundawgs Oak. Some scattered red oak logs were left for mast, Good sprouting in general.
19	4131 - Aspen, Oak	High Density Pole	54.2	49	81-110	Patchy stocking, heavy with low quality stems. Lots of fire scarring with poor form/quality in general on all species. Patches of saplings dominated by red maple.
20	4124 - Red with White Oak	High Density Pole	176.4	84	81-110	In many places this stand is remarkably pure to oak.

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Gaylord Mgt. Unit

## Report 8 – Forested Stands

Compartment: 015  
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	4130 - Aspen	High Density Sapling	38.5	17		
22	4124 - Red with White Oak	High Density Log	38.6	77	81-110	Ready to cut but should be held back for age class distribution.
23	4131 - Aspen, Oak	High Density Pole	230.5	49	51-80	Looks like this stand was burnt, leaving less than 10 basal area of red oak logs over a sea of regeneration, which varies from nearly pure aspen to nearly pure hardwood. Aspen regen is mostly poles now, while hardwood regen is still more to saps moving into poles..
26	4130 - Aspen	Medium Density	19.6	5		Recently cut. A few oak logs left for wildlife.
27	4130 - Aspen	High Density Pole	127.5	28	1-50	Transitioning from saplings to poles.
29	4121 - Oak, Aspen	High Density Log	45.1	84	81-110	High BA in places. More to mature aspen in the northwest. Ready to cut.
30	4130 - Aspen	High Density Pole	55.5	60	81-110	Old enough to cut, but hold for age class distribution.
31	4199 - Other Mixed Upland Deciduous	Low Density Pole	5.0	31	1-50	Mostly unmerchantable cherry with scattered oak logs.
34	4131 - Aspen, Oak	High Density Pole	57.5	43	81-110	Occasional white birch. Seems young but there seems to be no record of a cut or fire.
35	4131 - Aspen, Oak	High Density Sapling	95.6	17		Contains a few aspen poles.
36	4121 - Oak, Aspen	High Density Pole	41.2	81		Behind the interior military fence, so no access.
37	4123 - Red Oak	High Density Log	70.1	84	1-50	Oak residual over aspen/oak/red maple regeneration. BA in the north end is much higher and more consistent.
38	4130 - Aspen	High Density Sapling	26.8	17		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
4	6223 - Inundated Shrub Swamp	9.2	No	Unspecified	
5	629 - Mixed non-forested wetland	6.9	No	Unspecified	
7	3301 - Low Density Deciduous Tree	4.3	No	Unspecified	
16	3104 - Degraded	971.8	No	Unspecified	
17	6225 - Bog	17.5	No	Unspecified	
24	3105 - Mixed Upland Herbaceous	5.1	No	Unspecified	
25	3303 - Mixed Low Density Trees	1.7	No	Unspecified	
28	3105 - Mixed Upland Herbaceous	8.6	No	Unspecified	
32	3105 - Mixed Upland Herbaceous	5.8	No	Unspecified	
33	3105 - Mixed Upland Herbaceous	5.1	Unspecified	Unspecified	
39	710 - Sand, Soil	0.9	No	Unspecified	
40	710 - Sand, Soil	10.0	No	Unspecified	
41	710 - Sand, Soil	2.1	No	Unspecified	
42	710 - Sand, Soil	2.4	No	Unspecified	
43	710 - Sand, Soil	16.9	No	Unspecified	