



# Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 150

Entry Year 2016

Acreage: 1,682

County Cheboygan

Management Area: Chandler Hills

**Revision Date:** 02/27/2014

**Stand Examiner:** Paul Roell

**Legal Description:**

T34N R03W, section 4, 9 and 16

**Identified Planning 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:**

There is a mix of sand soils and hardwood loamy soils in this compartment with additional small areas of saturated organic soils. There are some rolling hills with very few steep slopes

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

There is fairly contiguous state ownership mixed with private property throughout this area.

**Unique Natural Features:**

There is the potential for calypso orchid, ram's head orchid, and limestone oak fern in the conifer swamp. There is also the potential for red-shouldered hawk and goshawk in the area of this compartment.

**Archeological, Historical, and Cultural Features:**

No Archeological, Historical, or Cultural Features known.

**Special Management Designations or Considerations:**

None identified.

**Watershed and Fisheries Considerations:**

**Wildlife Habitat Considerations:**

Treatments in this compartment will maintain age class diversity in aspen while creating early successional habitat benefiting deer, grouse, and woodcock. Some oak will be left in these treatments for hardmast production. Hardwood treatments will provide within stand structural diversity.

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

Surface sediments consist of ice-contact outwash sand and gravel and lacustrine (lake) sand and gravel. The glacial drift thickness varies between 100 and 400 feet. The Devonian Traverse Group subcrops below the glacial drift. The Traverse is quarried for stone and cement products. Gravel pits are located to the southeast and the uplands appear to have good potential. The nearest oil and gas production, the Antrim Shale gas play, is located 6 miles to the south. The Antrim Shale is missing, however this area is leased for potential Collingwood Formation development.

**Vehicle Access:**

There is good access throughout most of this compartment.

**Survey Needs:**

Sections 4 and 16 require survey work.

**Recreational Facilities and Opportunities:**

Snowmobile, ORV, skiing/hiking and motorcycle trails are all found within the compartment. The east parking lot for the wildwood Pathway system is located off of wildwood road within this compartment.

**Fire Protection:**

There are some areas of jack pine and mixed conifer which could be of concern.

**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

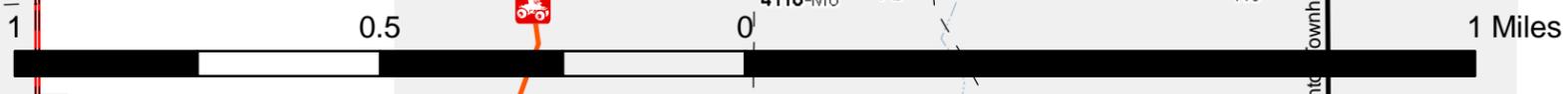
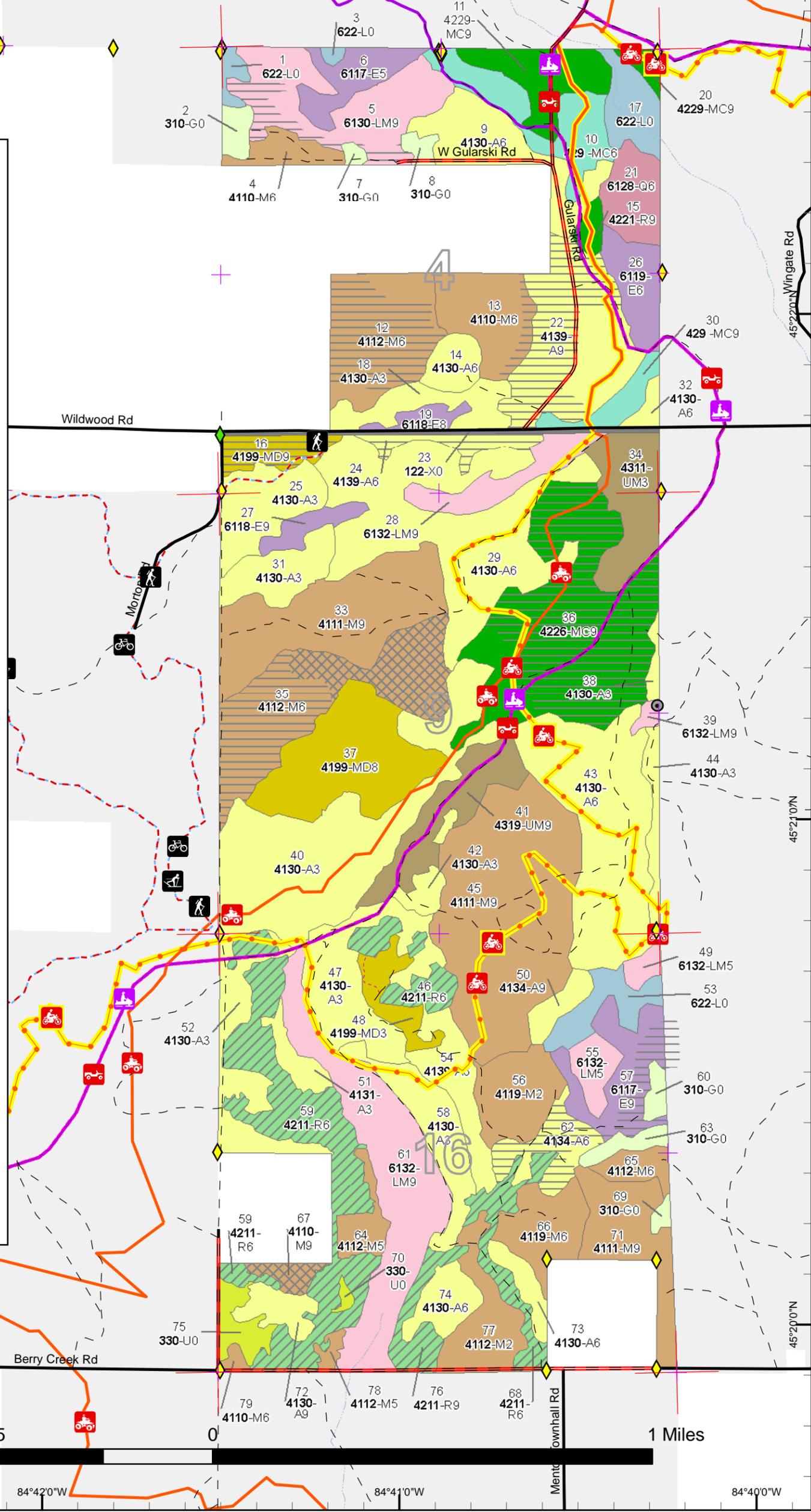
Compartment: 150  
 T34N R03W Sections 4, 9, 16  
 County: Cheboygan  
 Unit: Gaylord  
 YOE: 2016  
 Acres: 1,682 GIS Calculated  
 Examiner: Paul Roell  
 Map Revised: 05/13/2014  
 Map Phase: Pre-Review

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

4  
 9  
 16



- Miris Corners
  - Remonumented Section Corners
  - PLSS Corner
  - Iron Post
  - GPS Point
  - Hiking Trails
  - Bike Trails
  - Motorcycle Trails (DNR License)
  - MCCCT Trails
  - ORV Trails
  - ORV Routes
  - Ski Trails
  - Snowmobile Trails
  - Highway
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Trail (Non-Recreation)
  - Bike Trail
  - Ski Trail
  - Motorcycle (DNR Sticker)
  - ORV Trail
  - ORV Route
  - MCCCT Trail
  - Snowmobile Trail
  - Stream
  - Intermittent Stream
  - Lakes and Rivers
  - State Forest Land
- Treatments**
- Clearcut (w/Reserves, Patch/Strip)
  - Thinning (Crown, Low, Systematic)
  - Selection (Group, Single Tree)
- Forest Stands**
- Level 3**
- 411 - Northern Hardwood
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 421 - Planted Pines
  - 422 - Natural Pines
  - 429 - Mixed Upland Conifers
  - 431 - Upland Mixed Forest
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3**
- 122 - Road/Parking Lot
  - 310 - Herbaceous Openland
  - 330 - Low-Density Trees
  - 622 - Lowland Shrub



46°20'0"N 84°42'0"W 84°41'0"W 84°40'0"W 45°21'0"N 45°20'0"N

# Stand Boundary Map

Compartment: 150  
 T34N R03W Sections 4, 9, 16  
 County: Cheboygan  
 Unit: Gaylord  
 YOE: 2016  
 Acres: 1,682 GIS Calculated  
 Examiner: Paul Roell  
 Map Revised: 05/13/2014  
 Map Phase: Pre-Review

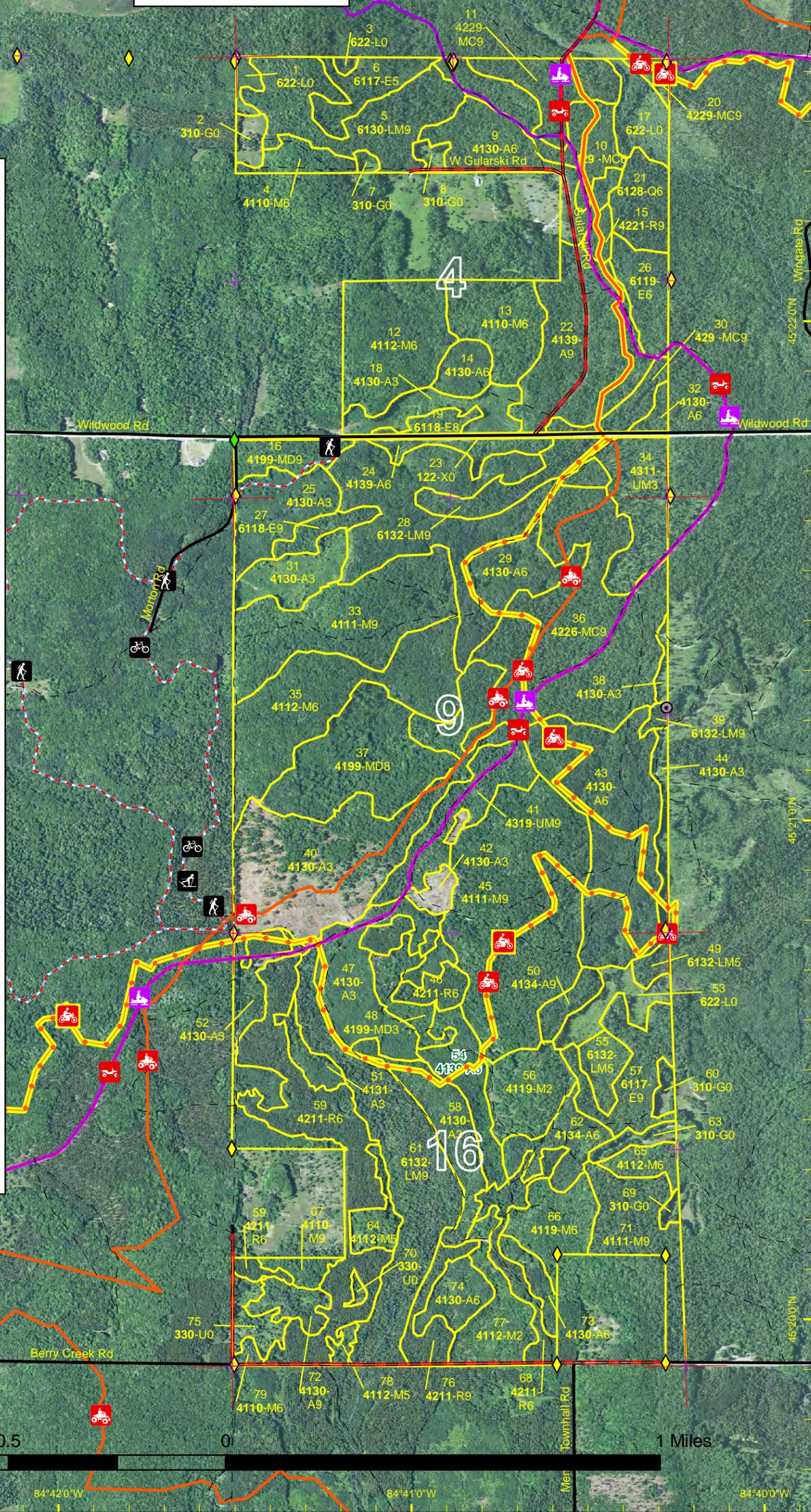
Stand #  
**23**  
**(412)0 - A7**  
 Level 3 OI  
 Level 4 Code  
 Cover Type Code

4  
 9  
 16



## Legend

- Miris Corners
  - Remonumented Section Corners
  - PLSS Corner
  - GPS Point
  - Iron Post
  - Hiking Trails
  - Bike Trails
  - Ski Trails
  - Motorcycle Trails (DNR License)
  - MCCCT Trails
  - ORV Trails
  - ORV Routes
  - Snowmobile Trails
  - Highway
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Trail (Non-Recreation)
  - Bike Trail
  - Ski Trail
  - Motorcycle (DNR Sticker)
  - ORV Trail
  - ORV Route
  - MCCCT Trail
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- Forest Stands**
- Level 3
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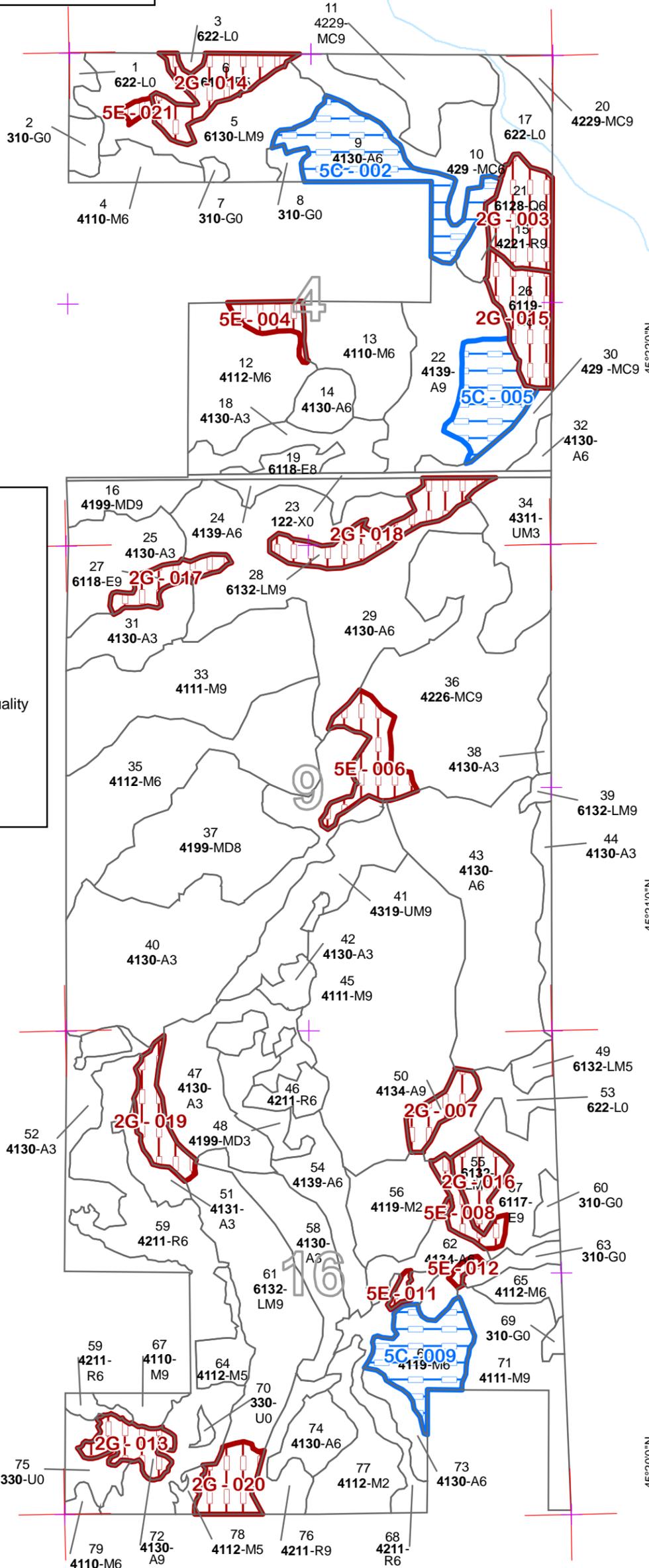
1 0.5 0 1 Miles

# Special Conservation Areas & Site Conditions Map

Compartment: 150  
 T34N R03W Sections 4, 9, 16  
 County: Cheboygan  
 Unit: Gaylord  
 YOE: 2016  
 Acres: 1,682 GIS Calculated  
 Examiner: Paul Roell  
 Map Revised: 05/13/2014  
 Map Phase: Pre-Review

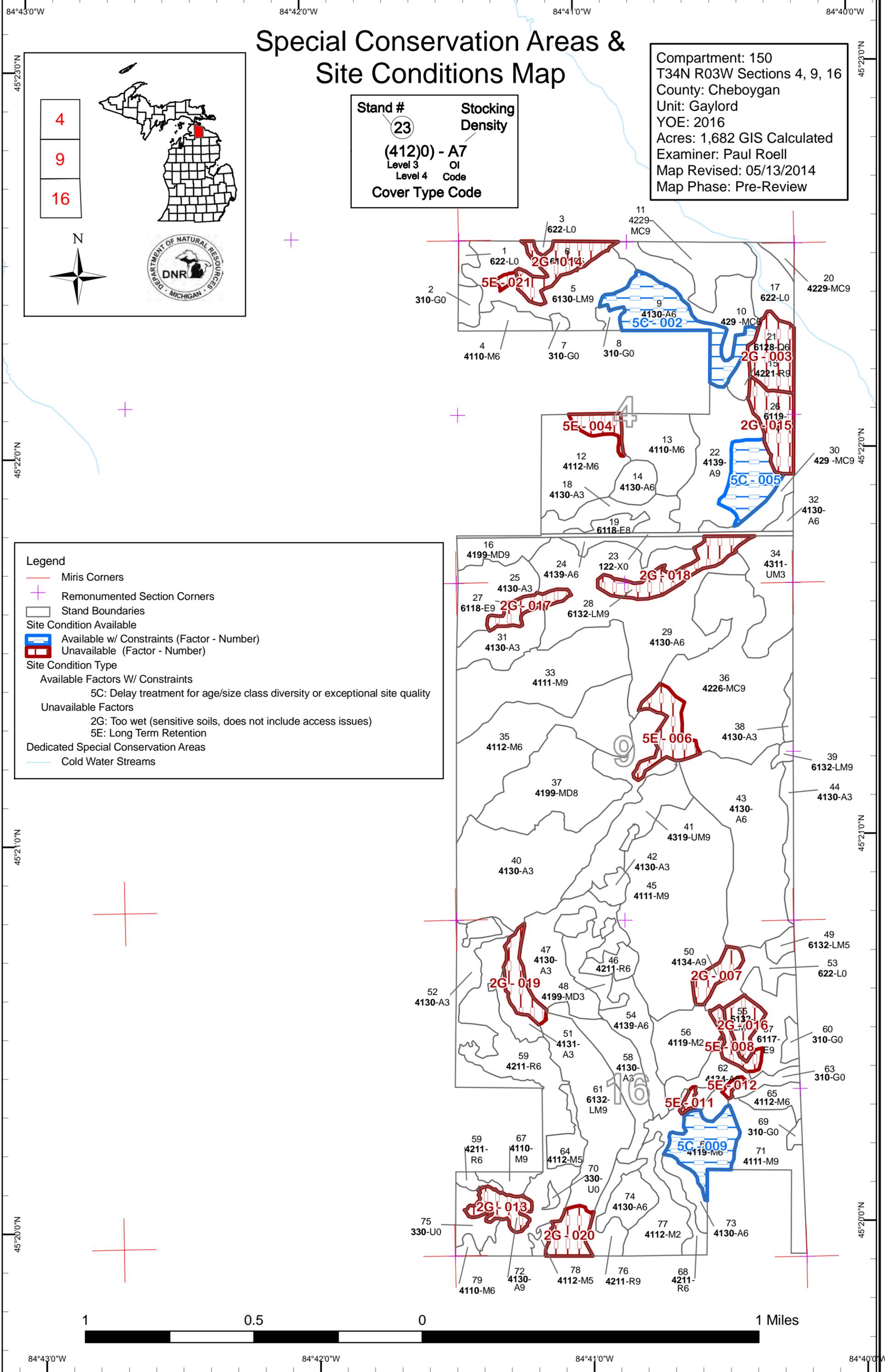
Stand # **23**  
**(412)0 - A7**  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**

4  
 9  
 16



**Legend**

- Miris Corners
- Remonumented Section 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
    - 2G: Too wet (sensitive soils, does not include access issues)
    - 5E: Long Term Retention
- Dedicated Special Conservation Areas
- Cold Water Streams



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	158	90	19	15	208	79	16	0	0	0	0	0	0	0	585
Herbaceous Openland	19	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Low-Density Trees	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Lowland Conifers	0	0	0	0	0	0	0	16	0	0	0	0	0	0	16
Lowland Deciduous	0	0	0	0	16	15	12	25	0	0	0	0	0	0	68
Lowland Mixed Forest	0	0	0	0	0	0	61	0	69	9	0	0	0	4	142
Lowland Shrub	32	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Mixed Upland Deciduous	0	11	0	0	0	0	0	12	49	0	0	0	0	0	72
Natural Mixed Pines	0	0	0	0	0	0	0	0	4	99	22	0	0	0	124
Northern Hardwood	0	22	21	0	0	0	0	5	362	0	0	0	0	0	411
Red Pine	0	0	0	0	0	105	0	0	4	0	0	0	0	0	109
Upland Conifers	0	0	0	0	0	26	0	0	9	0	0	0	0	0	35
Upland Mixed Forest	0	27	0	0	0	0	0	0	0	26	0	0	0	0	52
Urban	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
<b>Total</b>	<b>226</b>	<b>149</b>	<b>40</b>	<b>15</b>	<b>223</b>	<b>226</b>	<b>89</b>	<b>42</b>	<b>513</b>	<b>133</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1682</b>



## Report 2 – Proposed Treatment Summaries

**Gaylord Mgt. Unit**  
**Year of Entry 2016**

**Compartment 150**  
**Total Compartment Acres: 1,682**

### Acres by Treatment Type

Commercial Harvest - 385    Tree Planting - 129    Other - 0  
 Habitat Cut - 0    Opening Maintenance - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
<b>Aspen Types</b>	59	0	0	0	0	0	59
<b>Lowland Deciduous Forest</b>	12	0	0	0	0	0	12
<b>Lowland Mixed Forest</b>	11	0	0	0	0	0	11
<b>Mixed Upland Deciduous</b>	12	0	0	0	0	0	12
<b>Natural Pines</b>	85	0	0	0	0	0	85
<b>Northern Hardwood</b>	69	32	0	0	0	0	101
<b>Planted Pines</b>	0	0	0	0	105	0	105
<b>Total</b>	<b>247</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>105</b>	<b>0</b>	<b>385</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
5	52150005-Cut	11.0	6130 - Fir, Aspen, Maple	High Density Log	65	81-110	Harvest	Clearcut with Reserves	6130 - Fir, Aspen, Maple	Cmpt. Review Proposal
<u>Prescription</u> Clear Cut all trees two inches and greater in diameter. Leave all white pine and hemlock. Winter harvest only to protect sensitive soils, protect										
<u>Specs:</u> Gularski Road, and promote regen.										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Acceptable regeneration is a combination of aspen, fir, and red maple species. Regen survey in the next inventory cycle.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
12	52150012-Cut	32.9	4112 - Maple, Beech, Cherry Association	High Density Pole	84	111-140	Harvest	Clearcut with Reserves	4211 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Clear cut all trees two inches and greater in diameter. Leave all incidental oak. This treatment is going to salvage the beech in this stand and										
<u>Specs:</u> promote sustainable forestry.										
A portion of the stand has been excluded from the treatment because of topography. This will also serve as retention and will provide an area of										
beech mast for wildlife.										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Plant red pine. Use any necessary methods to establish a fully stocked stand.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
13	52150013	3.9	4110 - Sugar Maple Association	High Density Pole	87	51-80	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Clear Cut all trees two inches and greater in diameter.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Acceptable regeneration is aspen, red maple, sugar maple, and other mixed hardwood tree species. Regen survey can be done next inventory										
<u>Steps:</u> cycle.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
16	52150016-Cut	11.8	4199 - Other Mixed Upland Deciduous	High Density Log	76	81-110	Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Clear cut all trees two inches and greater in diameter. Leave all oak and white pine. Place some small retention to protect the designated										
<u>Specs:</u> wildwood pathway and the parking lot. Sign and protect this pathway during the harvest.										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Acceptable regeneration is a mix of aspen and northern hardwood species. Regen survey next inventory cycle.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
22	52150022-Cut	36.7	4139 - Aspen, Mixed Deciduous	High Density Log	53	81-110	Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Clear cut all trees two inches and greater in diameter. Leave all if any incidental oak, leave all red pine, and mark some large diameter white pine <u>Specs:</u> to be left. Identify a couple small areas for island retention that consist of the recruiting sapling sized white pine as the sale is being set up. Sign and protect both the motorcycle trail and snowmobile trail during the harvest. <u>Other</u> It also appears as if there is a fence in trespass and there is already a survey request submitted. Handle the trespass once the survey is <u>Comments:</u> completed. <u>Next</u> Acceptable regeneration is a mix of aspen, northern hardwood species and white pine. Regen survey next inventory cycle. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										
24	52150024-Cut	8.8	4139 - Aspen, Mixed Deciduous	High Density Pole	55		Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Clear cut all trees two inches and greater in diameter. Leave all if any incidental oak, leave all white pine. There appears to be a low area across <u>Specs:</u> the road from stand 19 this could be retention, if not, identify an area for island retention as the sale is being set up. <u>Other</u> <u>Comments:</u> <u>Next</u> Acceptable regeneration is a mix of aspen and northern hardwood species. Regen survey next inventory cycle. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										
36	52150036_1- Cut	21.1	42260 - Natural Pine, Mixed Deciduous	High Density Log	97	51-80	Harvest	Clearcut with Reserves	429 - Mixed Upland Conifers	Cmpt. Review Proposal
<u>Prescription</u> Clear cut all trees two inches and greater in diameter. Leave all oak. A portion of the stand has been excluded as retention. Sign and protect the <u>Specs:</u> motorcycle trail and snowmobile trail during the harvest. <u>Other</u> <u>Comments:</u> <u>Next</u> Acceptable regeneration is a mix of aspen, jack pine and other conifer species. Regen survey next inventory cycle. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										
36	52150036-Cut	64.0	42260 - Natural Pine, Mixed Deciduous	High Density Log	97	51-80	Harvest	Clearcut with Reserves	4211 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Clear cut all trees two inches and greater in diameter. Leave all white oak. An area for retention has already been exclude from the treatment. <u>Specs:</u> Sign and protect the motorcycle trail and snowmobile trail during the harvest. <u>Other</u> <u>Comments:</u> <u>Next</u> Plant red pine. Use any necessary methods to establish a fully stocked stand. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
46	52150046-Cut	12.4	42110 - Planted Red Pine	High Density Pole	54	171-200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal

Prescription Cut one row leave two rows. Remove a third of the volume. Sign and protect the motorcycle trail and snowmobile trail during the harvest. Snow  
Specs: off harvest to prevent a conflict with the snowmobile trail.

Other  
Comments:

Next  
Steps:

Proposed  
Start Date: 10/01/2015

57	52150057-Cut	11.8	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	72	51-80	Harvest	Clearcut with Reserves	6139 - Mixed Lowland Forest	Cmpt. Review Proposal
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Prescription Clear cut all trees two inches and greater in diameter. Leave all if any incidental oak, leave all white pine. Area retention is part of the parent  
Specs: stand and mapped out.

Other  
Comments:

Next Acceptable regeneration is a mix of aspen, northern hardwood species and mixed conifer. Regen survey next inventory cycle.  
Steps:

Proposed  
Start Date: 10/01/2015

62	52150062-Cut	13.2	4134 - Aspen, Spruce/Fir	High Density Pole	50	81-110	Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Clear cut all trees two inches and greater in diameter. A portion of the stand has been excluded from as retention.  
Specs:

Other  
Comments:

Next Acceptable regeneration is a mix of aspen and northern hardwood species. Regen survey next inventory cycle.  
Steps:

Proposed  
Start Date: 10/01/2015

67	52150067-Cut	5.1	4110 - Sugar Maple Association	High Density Log	74	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
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Prescription Mark the stand to a basal area of 75 square feet per acre through single tree selection. Establish one 100 foot regen gap per 3 acres. Its a small  
Specs: stand so only a couple gaps.

Other  
Comments:

Next Acceptable regeneration is a mix northern hardwood species. Regen survey next inventory cycle.  
Steps:

Proposed  
Start Date: 10/01/2015



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
68	52150068-Cut	15.4	42110 - Planted Red Pine	High Density Pole	54	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal

Prescription Mark to thin stand to a residual basal area of 120 square feet per acre.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2015

76	52150076-Cut	11.2	42110 - Planted Red Pine	High Density Log	54	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription Mark to thin stand to a residual basal area 120 square feet per acre.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2015

35	CC-Cut	32.2	4112 - Maple, Beech, Cherry Association	High Density Pole	86	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription Clear cut all trees two inches and greater in diameter. Leave all oak. This treatment is going to salvage the beech in this stand and promote sustainable forestry. Half of the stand is being thinned so this area is a representation of the parent stand and serves as retention. The Motor cycle trail doubles as the two track access to this stand sign and protect during harvest.

Specs:

Other

Comments:

Next

Plant red pine. Use any necessary methods to establish a fully stocked stand.

Steps:

Proposed

Start Date: 10/01/2015

59	Mark_59-Cut	30.6	42110 - Planted Red Pine	High Density Pole	54	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription Mark to thin stand down to 120 sq. ft. of BA this Y.O.E.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2015

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	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
59	Row_Thin_59-Cut	35.8	42110 - Planted Red Pine	High Density Pole	54	171-200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal

Prescription Cut one row leave two. Remove one third of the stand basal area. Sign and protect the motorcycle trail and snowmobile trail during the harvest.  
Specs: Limit use of the snowmobile trail during the winter to prevent conflict.

Other  
Comments:

Next  
Steps:

Proposed  
Start Date: 10/01/2015

35	thin-Cut	26.9	4112 - Maple, Beech, Cherry Association	High Density Pole	86	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
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Prescription Mark the stand to a basal area of 75 square feet per acre through single tree selection in addition cut all beech. Establish one 100 foot regen gap per 2-3 acres. The Motorcycle trail doubles as the two track access to this stand sign and protect during harvest.

Other  
Comments:

Next Acceptable regeneration is a mix of northern hardwood species. Regen survey next inventory cycle.  
Steps:

Proposed  
Start Date: 10/01/2015

**Total Treatment  
 Acreage Proposed: 384.8**



S  
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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

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

## Report 5 – Site Conditions

Gaylord Mgt. Unit  
Paul Roell : Examiner

Compartment 150  
Year of Entry 2016

### Availability for Management

Total Acres	Acres		Dominant Site Conditions	Dominant Site Conditions			
	Available	Not Available		No	5E	5C	2G
585	566	19	Aspen	519	3	47	16
16		16	Lowland Conifers				16
68	24	44	Lowland Deciduous	24	6		38
142	96	46	Lowland Mixed Forest	96	1		45
72	72		Mixed Upland Deciduous	72			
124	110	14	Natural Mixed Pines	110	14		
410	405	6	Northern Hardwood	385	6	20	
109	109		Red Pine	109			
35	35		Upland Conifers	35			
52	52		Upland Mixed Forest	52			
1,613	1,469	144	Total Forested Acres	1,402	29	67	115
	91%	9%	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	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	29				
<b>Comments:</b>							
003	Not Available	2G: Too wet (sensitive soils, does not include access issues)	16				
<b>Comments:</b>							

## Report 5 – Site Conditions

Gaylord Mgt. Unit  
Paul Roell : Examiner

Compartment 150  
Year of Entry 2016

004	Not Available	5E: Long Term Retention	6	2F: Too steep	2G: Too wet (sensitive soils, does not include access issues)
<b>Comments:</b>					
005	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18		
<b>Comments:</b>					
006	Not Available	5E: Long Term Retention	14		
<b>Comments:</b>					
007	Not Available	2G: Too wet (sensitive soils, does not include access issues)	7		
<b>Comments:</b>					
008	Not Available	5E: Long Term Retention	6		
<b>Comments:</b>					
009	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	4A: No merchantable products (see product standards)	
<b>Comments:</b>					

Report 5 – Site Conditions

Gaylord Mgt. Unit  
Paul Roell : Examiner

Compartment 150  
Year of Entry 2016

010 Not Available 5E: Long Term Retention 1

Comments:

011 Not Available 5E: Long Term Retention 1

Comments:

012 Not Available 5E: Long Term Retention 1

Comments:

013 Not Available 2G: Too wet (sensitive soils, does not include access issues) 9 2F: Too steep

Comments:

014 Not Available 2G: Too wet (sensitive soils, does not include access issues) 15

Comments:

015 Not Available 2G: Too wet (sensitive soils, does not include access issues) 16

Comments:

Report 5 – Site Conditions

Gaylord Mgt. Unit  
Paul Roell : Examiner

Compartment 150  
Year of Entry 2016

016	Not Available	2G: Too wet (sensitive soils, does not include access issues)	9
Comments:			
017	Not Available	2G: Too wet (sensitive soils, does not include access issues)	7
Comments:			
018	Not Available	2G: Too wet (sensitive soils, does not include access issues)	16
Comments:			
019	Not Available	2G: Too wet (sensitive soils, does not include access issues)	10
Comments:			
020	Not Available	2G: Too wet (sensitive soils, does not include access issues)	10
Comments:			
021	Not Available	5E: Long Term Retention	1
Comments:			



### 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 – 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.



Stand	Gaylord Mgt. Unit		Report 8 – Forested Stands			Compartment: 150 Year of Entry: 2016	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
4	4110 - Sugar Maple Association	High Density Pole	9.0	89	81-110		
5	6130 - Fir, Aspen, Maple	High Density Log	44.3	65	81-110		
6	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	15.1	55			
9	4130 - Aspen	High Density Pole	29.3	48			
10	429 - Mixed Upland Conifers	High Density Pole	25.9	55	81-110		
11	42290 - Natural Mixed Pine	High Density Log	21.6	103	81-110	New stand added.	
12	4112 - Maple, Beech, Cherry Association	High Density Pole	41.7	84	111-140	A lot of beech	
13	4110 - Sugar Maple Association	High Density Pole	25.6	87	51-80		
14	4130 - Aspen	High Density Pole	9.0	41	81-110		
15	42210 - Natural Red Pine	High Density Log	3.9	83	81-110		
16	4199 - Other Mixed Upland Deciduous	High Density Log	11.8	76	81-110		
18	4130 - Aspen	High Density Sapling	16.9	6			
19	6118 - Lowland Deciduous with Cedar	Medium Density Log	5.1	69			
20	42290 - Natural Mixed Pine	High Density Log	3.6	85	51-80		
21	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	16.3	86	81-110		
22	4139 - Aspen, Mixed Deciduous	High Density Log	54.5	53	81-110		
24	4139 - Aspen, Mixed Deciduous	High Density Pole	8.8	55			
25	4130 - Aspen	High Density Sapling	23.7	15			

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## Gaylord Mgt. Unit

## Report 8 – Forested Stands

Compartment: 150  
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	6119 - Mixed Lowland Deciduous Forest	High Density Pole	15.7	48	81-110	
27	6118 - Lowland Deciduous with Cedar	High Density Log	7.2	62		
28	6132 - Mixed Lowland Forest with Cedar	High Density Log	16.2	66		
29	4130 - Aspen	High Density Pole	89.8	42	81-110	
30	429 - Mixed Upland Conifers	High Density Log	8.7	86	81-110	
31	4130 - Aspen	High Density Sapling	17.2	6		
32	4130 - Aspen	High Density Pole	3.3	32		
33	4111 - S.Maple, Hard Mast Association	High Density Log	57.3	86	81-110	
34	4311 - Pine, Aspen Mix	High Density Sapling	26.7	16		
35	4112 - Maple, Beech, Cherry Association	High Density Pole	59.1	86	111-140	
36	42260 - Natural Pine, Mixed Deciduous	High Density Log	98.8	97	51-80	
37	4199 - Other Mixed Upland Deciduous	Medium Density Log	49.4	88	51-80	
38	4130 - Aspen	High Density Sapling	2.6	4		
39	6132 - Mixed Lowland Forest with Cedar	High Density Log	1.9	85	81-110	
40	4130 - Aspen	High Density Sapling	84.8	1		
41	4319 - Mixed Upland Forest	High Density Log	25.8	96	81-110	
42	4130 - Aspen	High Density Sapling	6.2	2		
43	4130 - Aspen	High Density Pole	72.8	46	81-110	

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## Gaylord Mgt. Unit

## Report 8 – Forested Stands

Compartment: 150  
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
44	4130 - Aspen	High Density Sapling	7.6	4		
45	4111 - S.Maple, Hard Mast Association	High Density Log	100.5	87	81-110	
46	42110 - Planted Red Pine	High Density Pole	12.4	54	171-200	
47	4130 - Aspen	High Density Sapling	36.1	16		
48	4199 - Other Mixed Upland Deciduous	High Density Sapling	11.1	18		
49	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	3.7	Uneven Age		
50	4134 - Aspen, Spruce/Fir	High Density Log	7.0	63	81-110	New stand added.
51	4131 - Aspen, Oak	High Density Sapling	7.0	16		
52	4130 - Aspen	High Density Sapling	23.0	16		
54	4139 - Aspen, Mixed Deciduous	High Density Pole	18.7	26		
55	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	8.5	93		
56	4119 - Mixed Northern Hardwoods	Medium Density	21.9	12		
57	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	24.9	72	51-80	
58	4130 - Aspen	High Density Sapling	22.9	1		
59	42110 - Planted Red Pine	High Density Pole	66.4	54	171-200	
61	6132 - Mixed Lowland Forest with Cedar	High Density Log	67.0	86		
62	4134 - Aspen, Spruce/Fir	High Density Pole	16.1	50	81-110	New stand added.
64	4112 - Maple, Beech, Cherry Association	Medium Density Pole	8.5	82	51-80	

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## Gaylord Mgt. Unit

## Report 8 – Forested Stands

Compartment: 150  
Year of Entry: 2016

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
65	4112 - Maple, Beech, Cherry Association	High Density Pole	7.5	83	81-110	
66	4119 - Mixed Northern Hardwoods	High Density Pole	19.9	86	111-140	
67	4110 - Sugar Maple Association	High Density Log	5.1	74	111-140	New stand added.
68	42110 - Planted Red Pine	High Density Pole	15.4	54	141-170	
71	4111 - S.Maple, Hard Mast Association	High Density Log	28.5	86	51-80	
72	4130 - Aspen	High Density Log	9.1	65		
73	4130 - Aspen	High Density Pole	6.9	45	51-80	
74	4130 - Aspen	High Density Pole	11.6	32		
76	42110 - Planted Red Pine	High Density Log	11.2	54	141-170	
77	4112 - Maple, Beech, Cherry Association	Medium Density	21.4	29		
78	4112 - Maple, Beech, Cherry Association	Medium Density Pole	2.6	82	51-80	
79	4110 - Sugar Maple Association	High Density Pole	2.0	87	81-110	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	622 - Lowland Shrub	3.3	Unspecified	Unspecified	
2	310 - Herbaceous Openland	4.9	Unspecified	Unspecified	Small Island of red pine in the middle of the opening.
3	622 - Lowland Shrub	1.1	Unspecified	Unspecified	
7	310 - Herbaceous Openland	1.5	Unspecified	Unspecified	
8	310 - Herbaceous Openland	2.8	Unspecified	Unspecified	
17	622 - Lowland Shrub	14.0	No	Unspecified	
23	122 - Road/Parking Lot	6.5	Unspecified	Unspecified	
53	622 - Lowland Shrub	13.4	Unspecified	Unspecified	
60	310 - Herbaceous Openland	3.4	Yes	Unspecified	
63	310 - Herbaceous Openland	5.1	Yes	Unspecified	
69	310 - Herbaceous Openland	1.7	Yes	Unspecified	
70	330 - Low-Density Trees	1.2	Unspecified	Unspecified	
75	330 - Low-Density Trees	8.8	Unspecified	Unspecified	