



# Compartment Review Presentation

## Gaylord Forest Management Unit

Compartment 110

Entry Year 2016

Acreage: 2,738

County Emmet

Management Area: Emmet Moraines

**Revision Date:** 04/14/2014

**Stand Examiner:** Don Stacks

### Legal Description:

T37N R05W Sections 19, 21, 28 - 33.

### 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:

Blue Lakes loamy sand exists on upland northern hardwood stands in western 2/3 of compartment. There are many hills and steep slopes found in this area. Tawas and Carbondale mucks are found in the poorly drained swamp area in the eastern 1/3 of the compartment.

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

Residential homes and a few small operating farms can be found around the compartment boundary.

### Unique Natural Features:

Red-shouldered hawk, bald eagle, osprey, loon, early hairstreak have been noted in or near Compartment 110. Douglas Stenelmis Riffle Beetle in Maple River just east of compartment boundary. There is also potential for goshawk, great blue heron rookery, calypso orchid, ram's head orchid, and limestone oak fern.

### Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

### Special Management Designations or Considerations:

None listed.

### Watershed and Fisheries Considerations:

This compartment is within the West Branch Maple River watershed, and contains several small tributaries to that river. The West Branch Maple River and its tributaries are designated trout streams, and are classified as warm-transitional (marginal) trout streams, susceptible to minor changes in temperature. A buffer zone (no clear-cutting) of 300' should be provided to discourage early successional species such as aspen. Prescribed management actions are appropriate for the protection of this waterbody.

### Wildlife Habitat Considerations:

Treatments in this compartment will maintain age class diversity in aspen while creating early successional habitat benefiting deer, grouse, and woodcock. Hawthorne will be protected in these treatments as a source of soft mast. Hardwood treatments will provide within stand structural diversity.

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

Surface sediments consist of coarse-textured glacial till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 800 feet. The Devonian Dundee Limestone and Detroit River Group subcrop below the glacial drift. The Dundee is quarried for limestone elsewhere in the State. The nearest gravel pit is located one mile to the north and potential appears to be good on the uplands. The nearest oil and gas production, the Antrim Shale gas play, is located 30 miles to the south. The Collingwood may have oil and gas potential in this area.

### Vehicle Access:

Access into the compartment can be gained by several county and numerous forest trail roads.

### Survey Needs:

1 to 2 miles of survey work may be needed in areas prescribed for timber harvest.

### Recreational Facilities and Opportunities:

Several portions of the designated snowmobile trail run through the compartment, as well as a small segment of the North Country Pathway.

**Fire Protection:**

The Pellston Field Office is located about 8 miles east of the compartment. The township VFD is located about 8 miles to the west.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

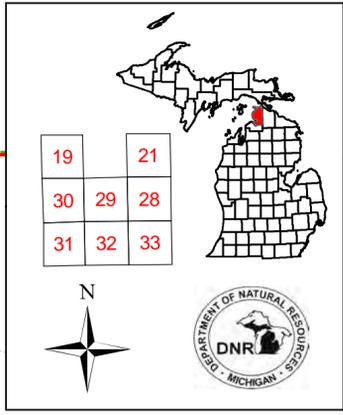
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

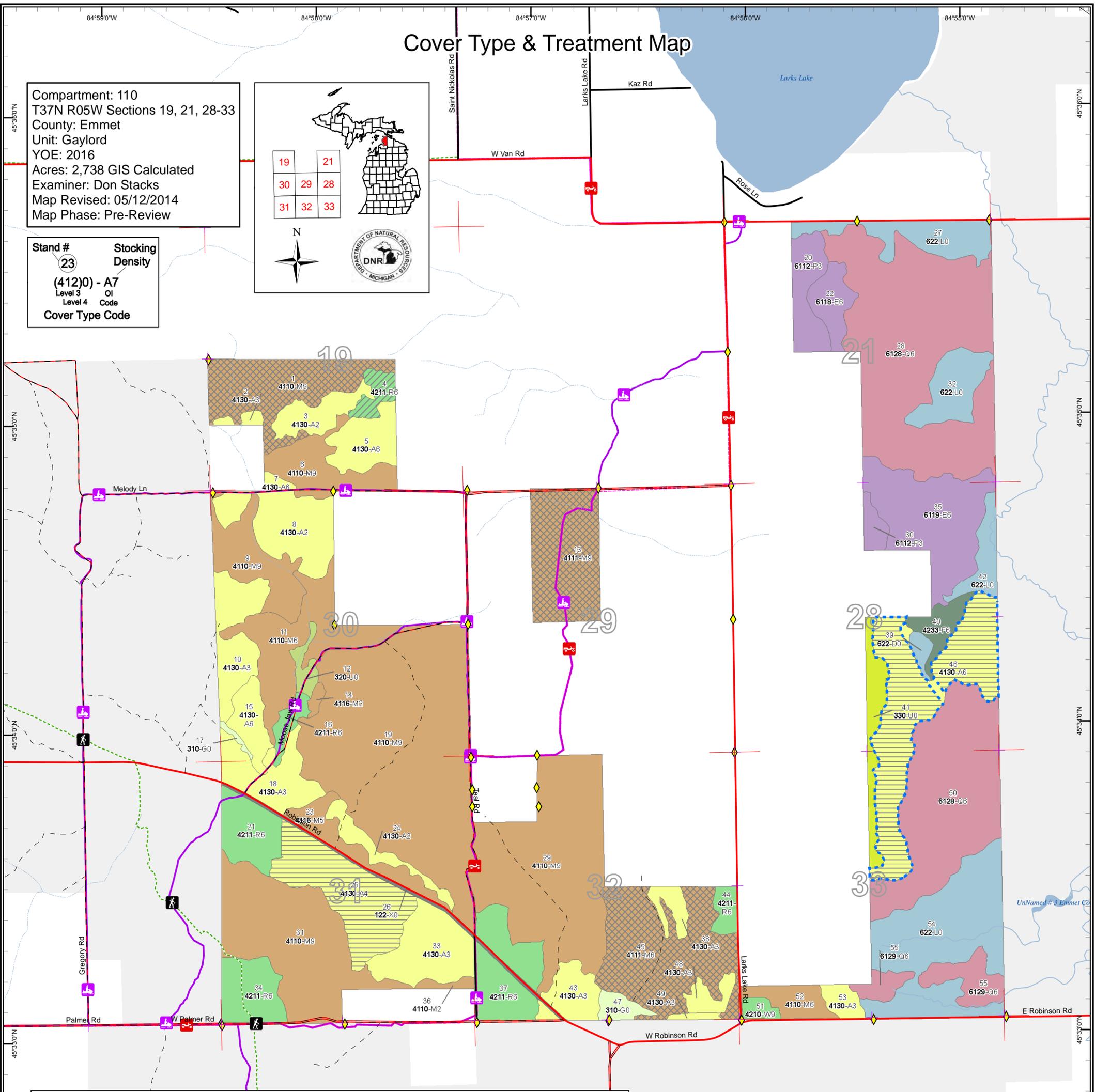
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatment Map

Compartment: 110  
 T37N R05W Sections 19, 21, 28-33  
 County: Emmet  
 Unit: Gaylord  
 YOE: 2016  
 Acres: 2,738 GIS Calculated  
 Examiner: Don Stacks  
 Map Revised: 05/12/2014  
 Map Phase: Pre-Review



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



**Legend**

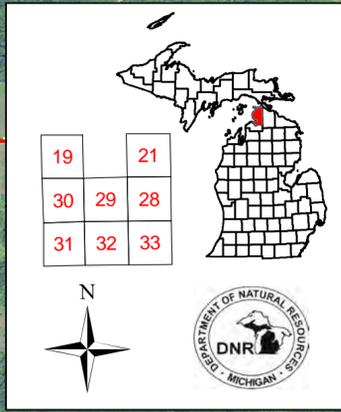
<ul style="list-style-type: none"> <li>—+— Miris Corners</li> <li>—+— Remonumented Section Corners</li> <li>◆ PLSS Corner</li> <li>◆ Unclassified Corners</li> <li>🚶 Hiking Trails</li> <li>🏍 Motorcycle Trails (DNR License)</li> <li>🚙 ORV Routes</li> <li>🚙 Snowmobile Trails</li> <li>🛣 Highway</li> <li>🛣 County Paved Roads</li> <li>🛣 Paved Roads</li> <li>🛣 County Gravel Roads</li> <li>🛣 Gravel Roads</li> <li>🛣 Poor Dirt Roads</li> <li>🛣 County Poor Dirt Roads</li> <li>🛣 Trail (Non-Recreation)</li> </ul>	<ul style="list-style-type: none"> <li>🚶 Hiking Trail</li> <li>🏍 Motorcycle (DNR Sticker)</li> <li>🚙 ORV Route</li> <li>🚙 Snowmobile Trail</li> <li>🌊 Stream</li> <li>🌊 Intermittent Stream</li> <li>🌊 Lakes and Rivers</li> <li>🌊 State Forest Land</li> <li><b>Treatments</b></li> <li>🛤 Clearcut (w/Reserves, Patch/Strip)</li> <li>🛤 Thinning (Crown, Low, Systematic)</li> <li>🛤 Selection (Group, Single Tree)</li> <li>🛤 Treatments w/ Site Condition</li> </ul>	<ul style="list-style-type: none"> <li><b>Forest Stands</b></li> <li><b>Level 3</b></li> <li>411 - Northern Hardwood</li> <li>413 - Aspen Types</li> <li>421 - Planted Pines</li> <li>423 - Other Upland Conifers</li> <li>611 - Lowland Deciduous Forest</li> <li>612 - Lowland Coniferous Forest</li> <li><b>Non-Forest Stands</b></li> <li><b>Level 3</b></li> <li>122 - Road/Parking Lot</li> <li>310 - Herbaceous Openland</li> <li>320 - Upland Shrub</li> <li>330 - Low-Density Trees</li> <li>622 - Lowland Shrub</li> </ul>
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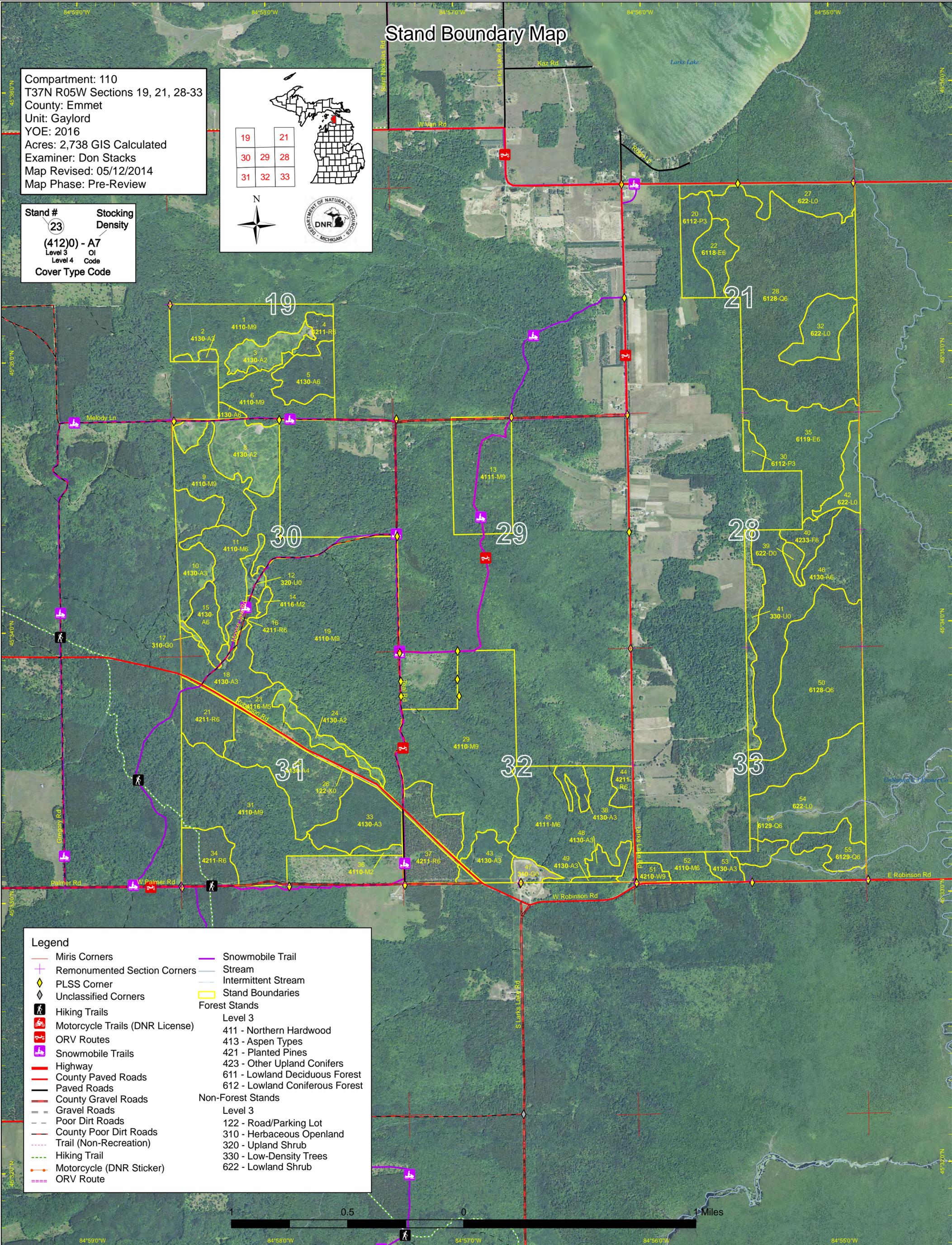
84°59'0"W 84°58'0"W 84°57'0"W 84°56'0"W 84°55'0"W

# Stand Boundary Map

Compartment: 110  
 T37N R05W Sections 19, 21, 28-33  
 County: Emmet  
 Unit: Gaylord  
 YOE: 2016  
 Acres: 2,738 GIS Calculated  
 Examiner: Don Stacks  
 Map Revised: 05/12/2014  
 Map Phase: Pre-Review



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

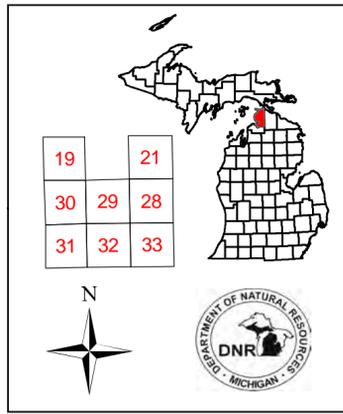


**Legend**

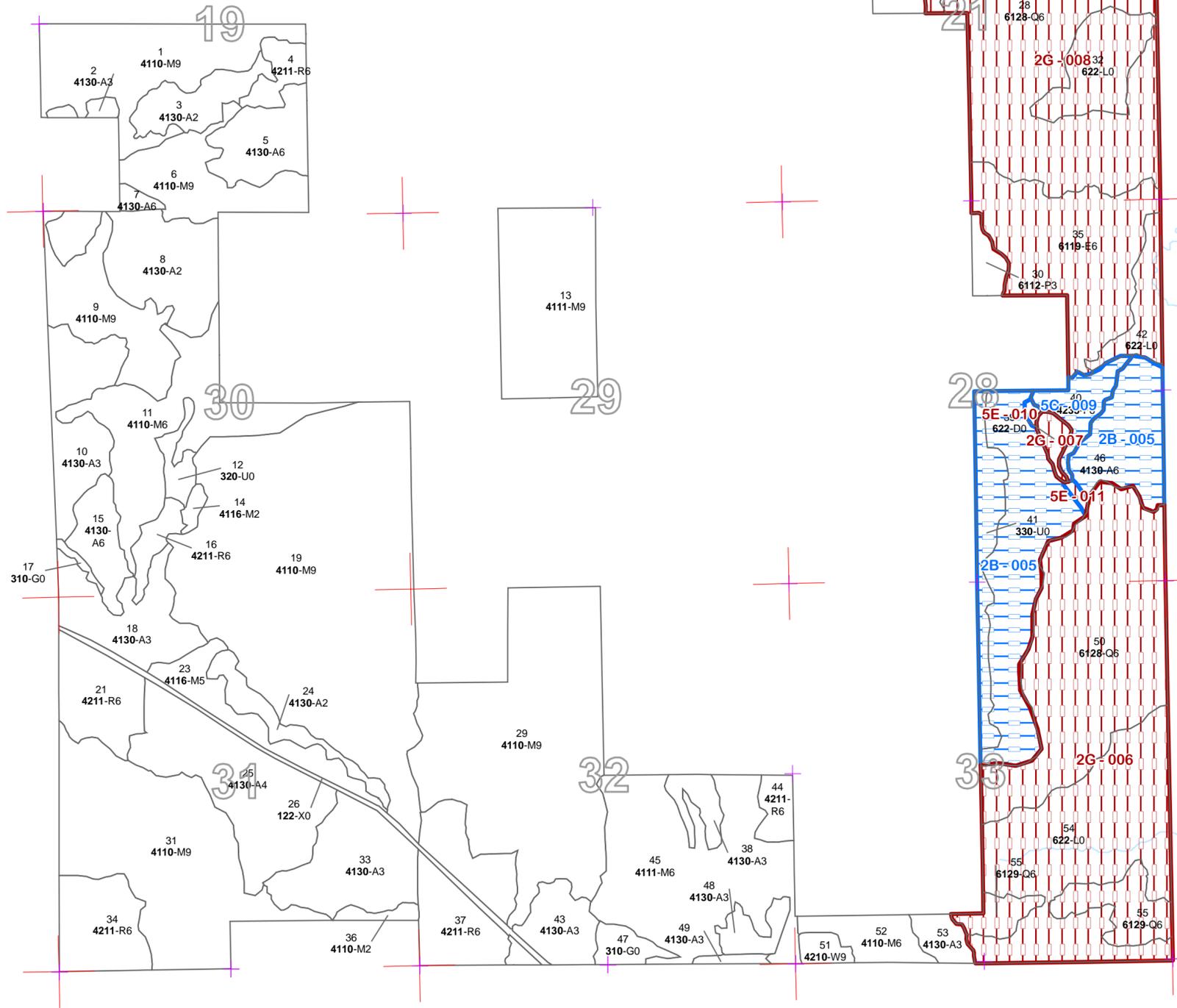
— Miris Corners	— Snowmobile Trail
— Remonumented Section Corners	— Stream
— PLSS Corner	— Intermittent Stream
— Unclassified Corners	— Stand Boundaries
— Hiking Trails	<b>Forest Stands</b>
— Motorcycle Trails (DNR License)	Level 3
— ORV Routes	411 - Northern Hardwood
— Snowmobile Trails	413 - Aspen Types
— Highway	421 - Planted Pines
— County Paved Roads	423 - Other Upland Conifers
— Paved Roads	611 - Lowland Deciduous Forest
— County Gravel Roads	612 - Lowland Coniferous Forest
— Gravel Roads	<b>Non-Forest Stands</b>
— Poor Dirt Roads	Level 3
— County Poor Dirt Roads	122 - Road/Parking Lot
— Trail (Non-Recreation)	310 - Herbaceous Openland
— Hiking Trail	320 - Upland Shrub
— Motorcycle (DNR Sticker)	330 - Low-Density Trees
— ORV Route	622 - Lowland Shrub

# Special Conservation Areas & Site Conditions Map

Compartment: 110  
 T37N R05W Sections 19, 21, 28-33  
 County: Emmet  
 Unit: Gaylord  
 YOE: 2016  
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 Map Revised: 05/12/2014  
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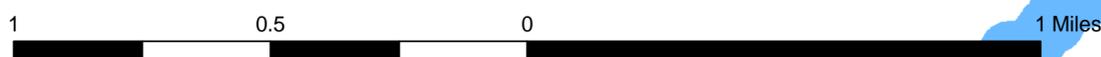


**Stand #**  
 23  
**Stocking Density**  
 (4120) - A7  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**



## 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
  - 2B: Unknown if access through adjacent landowner(s) is possible
- Unavailable Factors
  - 2G: Too wet (sensitive soils, does not include access issues)
  - 5E: Long Term Retention
- Dedicated Special Conservation Areas
  - Cold Water Streams
  - Cold Water Lakes
  - High Priority Trout Stream Buffer



84°59'0"W 84°58'0"W 84°57'0"W 84°56'0"W 84°55'0"W

45°38'0"N  
45°36'0"N  
45°34'0"N  
45°32'0"N

84°59'0"E  
84°58'0"E  
84°57'0"E  
84°56'0"E  
84°55'0"E

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	97	81	151	21	205	0	0	0	0	0	0	0	0	0	555
Herbaceous Openland	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Low-Density Trees	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Lowland Aspen/Balsam Poplar	0	9	30	0	0	0	0	0	0	0	0	0	0	0	39
Lowland Conifers	0	0	0	0	0	251	156	0	34	0	0	0	0	0	441
Lowland Deciduous	0	0	0	0	0	22	93	0	0	0	0	0	0	0	115
Lowland Shrub	224	0	0	0	0	0	0	0	0	0	0	0	0	0	224
Northern Hardwood	0	8	0	0	0	0	0	104	138	666	207	0	0	0	1123
Red Pine	0	0	0	0	0	153	0	0	0	0	0	0	0	0	153
Treed Bog	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Upland Shrub	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Upland Spruce/Fir	0	0	0	0	0	0	17	0	0	0	0	0	0	0	17
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	13
White Pine	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
<b>Total</b>	<b>385</b>	<b>98</b>	<b>181</b>	<b>21</b>	<b>205</b>	<b>433</b>	<b>266</b>	<b>104</b>	<b>172</b>	<b>666</b>	<b>207</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2738</b>



## Report 2 – Proposed Treatment Summaries

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

**Compartment 110**  
**Total Compartment Acres: 2,738**

### Acres by Treatment Type

Commercial Harvest - 490	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>	202	0	0	0	0	0	202
<b>Northern Hardwood</b>	0	276	0	0	0	0	276
<b>Planted Pines</b>	0	0	0	0	12	0	12
<b>Total</b>	202	276	0	0	12	0	490



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	52110001- SelCut	75.3	4110 - Sugar Maple Association	High Density Log	100	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
<u>Prescription</u> Harvest all beech and white ash except those marked with a band of green paint. Mark sugar maple as needed to release crop trees and create										
<u>Specs:</u> regen gaps.										
<u>Other</u> Good quality northern hardwood, mostly sugar maple and beech. A mix of sawtimber/pulpwood. Adjacent to private ownership.										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
4	52110004- RPThin	11.7	42110 - Planted Red Pine	High Density Pole	58	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Thin stand down to 110 - 120 sq. ft. Concentrate marking larger diameter trees.										
<u>Specs:</u>										
<u>Other</u> Small acreage red pine plantation, in transition from poletimber into sawlogs. Last thinned in 1998.										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
13	52110013- SelCut	81.2	4111 - S.Maple, Hard Mast Association	High Density Log	90	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
<u>Prescription</u> Harvest activity would need to be limited to non-winter months because of snowmobile activity and steep slopes. Prescribe to harvest all beech										
<u>Specs:</u> and white ash(which there is very little of) and to mark other hardwood species as needed. Try to keep stocking levels close to at least 65 sq. ft.										
of BA. Protect drainage along the north edge of the stand.										
<u>Other</u> Stand consists of northern hardwood sawtimber/poletimber (mostly sugar maple and beech) on many steep hills. Beech scale and the beginning										
<u>Comments:</u> of beech snap is present in this stand. Topography makes this stand difficult, if not impossible for log trucks. Potentially, wood may need to be										
forwarded up to 3/4 of a mile to a landing off Melody Lane. Access through a private hayfield to the east is a consideration. Snowmobile trail										
runs north to south through this stand and is the only access into the stand. Survey work will be needed as only one corner is present.										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
25	52110025- CCutRes	79.2	4130 - Aspen	Low Density Pole	45	1-50	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Harvest all species two inches and greater except incidental white pine, hemlock, balsam fir and black cherry. Hawthorne understory should be										
<u>Specs:</u> protected during harvest operations.										
<u>Other</u> Stand provides excellent wildlife cover. Aspen is starting to show signs of decline and should be regenerated this Y.O.E. Stand consists of a										
<u>Comments:</u> sparse mix of mostly quaking aspen clones, scattered black cherry poletimber, and a very dense growth of hawthorne. Adjacent to county road.										
SE corner of stand has higher volume and dense understory of sugar maple. Regenerating aspen clones will enhance habitat quality.										
<u>Next</u>										
<u>Steps:</u> Montor regen. Aspen and mixed deciduous species will be acceptable regen. Regen will most likely occur in scattered clones with dense										
hawthorne existing throughout the stand.										
<u>Proposed</u>										
<u>Start Date:</u> 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
45 52110045- SelCut	119.3	4111 - S.Maple, Hard Mast Association	High Density Pole	85	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Fld. Tr. Bdy. - Incomplete

Prescription Stand was marked and sold in 2011 as a supplement to existing 2011 work plan. Stand has not yet been harvested but is currently on a contract. Residual post-harvest BA will be about 70 sq. ft.

Other Mixed northern hardwood poletimber transitioning into sawtimber, on many rolling hills and steep slopes.

Next  
Steps:

Proposed  
Start Date: 10/01/2011

**Total Treatment**  
**Acreage Proposed: 366.8**

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	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
46	52110046- CCutRes	122.8	4130 - Aspen	High Density Pole	44	51-80	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal

Prescription Specs: Access will have to be through private property. Final harvest this Y.O.E. cutting all trees two inches or larger except black cherry and incidental white pine, hemlock, and cedar. Harvest only during winter months (December 1 to April 1) to protect landowners roads and fields, and to help prevent excessive rutting on lower, poorly drained areas within the sale boundary. Uncut retention areas will exist in these poorly drained areas. Also include adjacent stand 15 in Compartment 117 with this harvest.

Other Comment: Quaking aspen from 1970 final harvest lying in transition area between higher ground hardwood to the west and lowland conifers to the east. Light but steady black cherry component on higher ground. Sparse, scattered paper birch, balsam fir, and red maple also present.

Next Steps: Regen survey. Acceptable regen will consist of a mix of quaking aspen with lesser amounts of mixed deciduous and balsam fir.

Proposed Start Date: 10/01/2015

Limiting Factor 2B: Unknown if access through adjacent landowner(s) is possible

**Total Treatment  
Acreage Proposed: 122.8**

## Report 5 – Site Conditions

Gaylord Mgt. Unit  
Don Stacks : Examiner

Compartment 110  
Year of Entry 2016

### Availability for Management

Total Acres	Acres		Dominant Site Conditions	Dominant Site Conditions				
	Available	Not Available		No	5E	5C	2G	2B
554	550	4	Aspen	429	3		1	121
39	39		Lowland Aspen/Balsam Poplar	39				
440	0	440	Lowland Conifers				440	0
115		115	Lowland Deciduous				115	
1123	1123		Northern Hardwood	1,123				
153	153		Red Pine	153				
17	17	0	Upland Spruce/Fir			17	0	
6	6		White Pine	6				
2,447	1,888	559	Total Forested Acres	1,750	3	17	556	121
	77%	23%	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
005	Available	2B: Unknown if access through adjacent landowner(s) is possible	147				
<b>Comments:</b>							
006	Not Available	2G: Too wet (sensitive soils, does not include access issues)	320				
<b>Comments:</b>							
007	Not Available	2G: Too wet (sensitive soils, does not include access issues)	6				
<b>Comments:</b>							

Report 5 – Site Conditions

Gaylord Mgt. Unit  
Don Stacks : Examiner

Compartment 110  
Year of Entry 2016

008	Not Available	2G: Too wet (sensitive soils, does not include access issues)	462	
Comments:				
009	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	
Comments:				
010	Not Available	5E: Long Term Retention	1	2G: Too wet (sensitive soils, does not include access issues)
Comments:				
011	Not Available	5E: Long Term Retention	2	2G: Too wet (sensitive soils, does not include access issues)
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	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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.
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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4110 - Sugar Maple Association	High Density Log	75.3	100	111-140	Good quality northern hardwood, mostly sugar maple and beech. A mix of sawtimber/pulpwood. Adjacent to private ownership.
2	4130 - Aspen	High Density Sapling	3.9	16		Dense aspen regen. Lesser amounts of mixed northern hardwood saps also.
3	4130 - Aspen	Medium Density	23.1	5		Medium density aspen/hardwood regen from 2009 final harvest. Areas of sparse regen present.
4	42110 - Planted Red Pine	High Density Pole	11.7	58	141-170	Small acreage red pine plantation, in transition from poletimber into sawlogs. Last thinned in 1998.
5	4130 - Aspen	High Density Pole	31.0	26	51-80	Aspen regen in transition from saps to small poletimber from 1988 final harvest.
6	4110 - Sugar Maple Association	High Density Log	42.9	90	51-80	Mixed hardwood sawtimber/poletimber on rolling hills adjacent to Melody Lane, which is also a designated snowmobile trail.
7	4130 - Aspen	High Density Pole	3.5	27	51-80	Aspen regen from 1987 final harvest. Stand is in transition from saps to poletimber.
8	4130 - Aspen	Medium Density	57.1	5		Medium density aspen/hardwood regen from 2009 final harvest.
9	4110 - Sugar Maple Association	High Density Log	46.6	90	81-110	Nice quality hardwood stand, mostly sugar maple boltwood. Much of the stand is located on the side of an east-facing slope.
10	4130 - Aspen	High Density Sapling	42.1	17		Dense aspen regen from 1997 final harvest.
11	4110 - Sugar Maple Association	High Density Pole	75.8	70	51-80	Northern hardwood, mostly sugar maple, poletimber transitioning into sawtimber. Some larger diameters present. Much of the stand is located on the side of a steep east-facing slope.
13	4111 - S.Maple, Hard Mast Association	High Density Log	81.2	90	81-110	Stand consists of northern hardwood sawtimber/poletimber (mostly sugar maple and beech) on many steep hills.
14	4116 - Mixed N. Hardwood - Aspen	Medium Density	3.2	12		Small, medium-stocked stand of bigtooth aspen and mixed northern hardwood saplings from 2002 final harvest. Stand also served as a landing area for adjacent hardwood selection harvest.
15	4130 - Aspen	High Density Pole	20.6	37	51-80	Fairly dense aspen regen, just coming into small poletimber, from 1977 final harvest.
16	42110 - Planted Red Pine	High Density Pole	9.7	58	111-140	Small acreage red pine plantation in transition from poletimber into sawlogs. Snowmobile trail runs through stand.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
18	4130 - Aspen	High Density Sapling	41.2	27		Dense aspen regen, in transition from saps to poletimber, from 1987 final harvest.
19	4110 - Sugar Maple Association	High Density Log	307.7	90	51-80	Mixed northern hardwood poletimber/sawtimber on rolling hills and steep slopes. Scattered, sparse, large red oak is also present. Little white ash present.
20	6112 - Lowland Aspen	High Density Sapling	30.3	24		Well-stocked quaking aspen regen, in transition from saps to small poletimber, from 1990 final harvest. On wet ground.
21	42110 - Planted Red Pine	High Density Pole	33.5	58	111-140	Red pine plantation of variable diameters and stocking densities. Very heavy hardwood understory present. Several 18 year old aspen clones with plantation. Poletimber in transition to sawlogs.
22	6118 - Lowland Deciduous with Cedar	High Density Pole	22.0	55	51-80	A mix of swamp hardwoods, mostly black ash which is dying, and mixed conifers on a very wet site. Part of Pleasantview Swamp. Dense black ash understory.
23	4116 - Mixed N. Hardwood - Aspen	Medium Density Pole	27.9	70	1-50	Lesser stocked stand of mostly sugar maple, quaking aspen, black cherry, and beech poletimber. Various shrubs in the understory.
24	4130 - Aspen	Medium Density	16.9	6		Medium density quaking aspen/northern hardwood regen from 2008 final harvest.
25	4130 - Aspen	Low Density Pole	79.2	45	1-50	Stand consists of a sparse mix of mostly quaking aspen clones, scattered black cherry poletimber, and a very dense growth of hawthorne. Adjacent to county road. SE corner of stand has higher volume and dense understory of sugar maple.
28	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	251.2	55	51-80	Pleasantview Swamp. Mixed swamp conifers with scattered paper birch, red maple, and overmature quaking aspen.
29	4110 - Sugar Maple Association	High Density Log	187.5	90	81-110	Northern hardwood boltwood and small sawtimber, mostly good quality sugar maple. Areas of smaller diameter pulpwood. Many hills and steep slopes throughout stand. Scattered, sparse, large red oak can be found throughout stand.
30	6112 - Lowland Aspen	High Density Sapling	9.0	17		Mixed quaking aspen/swamp hardwood regen from 1997 final harvest, on a wet site.
31	4110 - Sugar Maple Association	High Density Log	131.8	100	51-80	Stand consists of mostly sugar maple sawtimber, on rolling hills.
33	4130 - Aspen	High Density Sapling	50.9	25		Dense aspen regen from 1989 final harvest. Stems are in transition from saps to small diameter poletimber. Adjacent to county roads.
34	42110 - Planted Red Pine	High Density Pole	34.6	58	111-140	Red pine plantation, in transition from poletimber to small sawtimber. Sparse hardwood understory at present. North Country Pathway runs through stand.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
35	6119 - Mixed Lowland Deciduous Forest	High Density Pole	93.3	65	51-80	Mixed lowland swamp hardwood/aspens, mostly poletimber with a few sawtimber trees. Scattered balsam fir and tamarack, also.
36	4110 - Sugar Maple Association	Medium Density	4.5	15		Small stand of mixed northern hardwood saplings and dense hawthorn with a sparse overstory of black cherry and quaking aspen.
37	42110 - Planted Red Pine	High Density Pole	54.0	58	81-110	Red pine poletimber with a few sawlog trees present. Adjacent to county roads and snowmobile trail.
38	4130 - Aspen	High Density Sapling	11.0	26		Bigtooth aspen/northern hardwood stand in transition from saps to poletimber from 1988 final harvest.
40	42330 - Upland Fir	High Density Pole	17.0	65	51-80	Higher ground balsam fir, with scattered quaking aspen poletimber. On west edge of swamp.
43	4130 - Aspen	High Density Sapling	24.3	13		Dense aspen regen from 2001 final harvest. Lesser amounts of mixed northern hardwood regen also.
44	42110 - Planted Red Pine	High Density Pole	9.8	58	81-110	Red pine plantation, in transition from poletimber to smaller diameter sawtimber. Adjacent to private ownership and county road.
45	4111 - S.Maple, Hard Mast Association	High Density Pole	119.3	85	111-140	Mixed northern hardwood poletimber transitioning into sawtimber, on many rolling hills and steep slopes.
46	4130 - Aspen	High Density Pole	125.6	44	51-80	Quaking aspen regen, mostly small poletimber, from 1970 final harvest. Adjacent to Pleasantview Swamp.
48	4130 - Aspen	High Density Sapling	10.9	16		Dense aspen regen from 1998 final harvest.
49	4130 - Aspen	High Density Sapling	3.0	27		Dense aspen regen from 1987 final harvest. Saps in transition to small poletimber.
50	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	155.9	60	51-80	Pleasantview Swamp. Swamp conifers with scattered swamp hardwood and overmature quaking aspen.
51	42100 - Planted White Pine	High Density Log	6.3	55	111-140	Planted white pine on corner of two county roads. Very dense hardwood understory.
52	4110 - Sugar Maple Association	High Density Pole	19.0	80	81-110	Small hardwood poletimber stand, mostly sugar maple, adjacent to Robinson and Larks Lake Rd. A few nice sugar maple sawlogs along the north edge of the stand. Adjacent to private property.
53	4130 - Aspen	High Density Sapling	10.1	27	51-80	Small aspen stand adjacent to county road and Pleasantview Swamp, in transition from saps to poletimber from 1987 final harvest.

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Gaylord Mgt. Unit

Report 8 – Forested Stands

Compartment: 110  
Year of Entry: 2016



S t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
55	6129 - Mixed Coniferous Lowland Forest	High Density Pole	33.5	80	81-110	Mixed swamp conifers on very wet ground. Edge of Pleasantview Swamp.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
12	3205 - Mixed Upland Shrub	8.7	No	Unspecified	Upland shrubs and encroaching hardwood saps. Small drainage runs south along west side of stand.
17	3102 - Grass	2.0	No	Unspecified	Narrow grass strip between A3 stands.
26	122 - Road/Parking Lot	12.8	No	Unspecified	Robinson Rd.
27	6229 - Mixed lowland shrub	40.9	No	Unspecified	Standing water. Mostly tag alder. Adjacent to Van Rd. Some scattered fir, spruce, paper birch, and quaking aspen.
32	6229 - Mixed lowland shrub	34.1	No	Unspecified	
39	6224 - Treed Bog	5.7	No	Unspecified	Bog with sparse scattered black spruce.
41	3301 - Low Density Deciduous Tree	25.3	No	Unspecified	Open, grassy area with encroaching hardwood and aspen saps.
42	6229 - Mixed lowland shrub	19.6	No	Unspecified	Wet.
47	3102 - Grass	9.6	No	Unspecified	Site of old Camp Pellston prison camp.
54	6229 - Mixed lowland shrub	129.5	No	Unspecified	Very wet. Mixed lowland shrubs.