



# Compartment Review Presentation

## Gaylord Forest Management Unit

Compartment 165

Entry Year 2016

Acreage: 1,989

County Cheboygan

Management Area: Mackinaw Lake Plain

**Revision Date:** 04/11/2014

**Stand Examiner:** John Scheele

### **Legal Description:**

38N - 2W Sections 7 - 9 and 16 - 18

### **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:**

Soils for the compartment consist of the Detour-Brevort Association. Topography is nearly level.

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

Compartment is mostly contiguous with a few isolated private parcels within the compartment. Larger-sized, rural private forested properties surround most of the compartment.

### **Unique Natural Features:**

Observed 2 osprey/eagle nest in compartment. Potential for Blanding's turtle, massasauga, great blue heron rookery, eagle, merlin, and osprey. Potential for marsh birds: black tern and American bittern. Potential for ram's head orchid and dwarf lake iris in conifer swamps.

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

No Archeological, Historical, or Cultural Features known.

### **Special Management Designations or Considerations:**

None.

### **Watershed and Fisheries Considerations:**

This section contains a small unnamed tributary to Lake Huron. Best management practices should be followed to minimize erosion into the stream.

### **Wildlife Habitat Considerations:**

Treatments in this compartment will maintain age class diversity in both upland and lowland aspen while creating early successional habitat benefiting deer, grouse, and woodcock.

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

Surface sediments consist of lacustrine (lake) sand and gravel and minor dune sand. The glacial drift thickness varies between 200 and 400 feet. The Devonian Detroit River and Bois Blanc Formations subcrop below the glacial drift. These formations could be used for stone. There is a gravel pit in Section 15 and it appears there is potential. The nearest oil and gas production, the Antrim Shale gas play, is located 30 miles to the south. This area is leased for potential Collingwood Formation development.

### **Vehicle Access:**

Access is very limited. Old Mackinaw Road runs through the center of the compartment and provides some limited access.

### **Survey Needs:**

None needed.

### **Recreational Facilities and Opportunities:**

No recreational facilities. Compartment is used primary for hunting opportunities.

### **Fire Protection:**

No concerns. Compartment is mostly very wet.

**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: 165  
 T38N R02W Sections 7-9, 16-18  
 County: Cheboygan  
 Unit: Gaylord  
 YOE: 2016  
 Acres: 1,989 GIS Calculated  
 Examiner: John Scheele  
 Map Revised: 05/13/2014  
 Map Phase: Pre-Review

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

**Legend**

- Miris Corners
- Remonumented Section Corners
- Survey Grade
- PLSS Corner
- Hiking Trails
- Bike Trails
- Horse Trails
- Snowmobile Trails
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Pipeline
- Bike Trail
- Horse Trail
- Hiking Trail
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land

**Treatments**

- Clearcut (w/Reserves, Patch/Strip)
- Treatments w/ Site Condition

**Forest Stands**

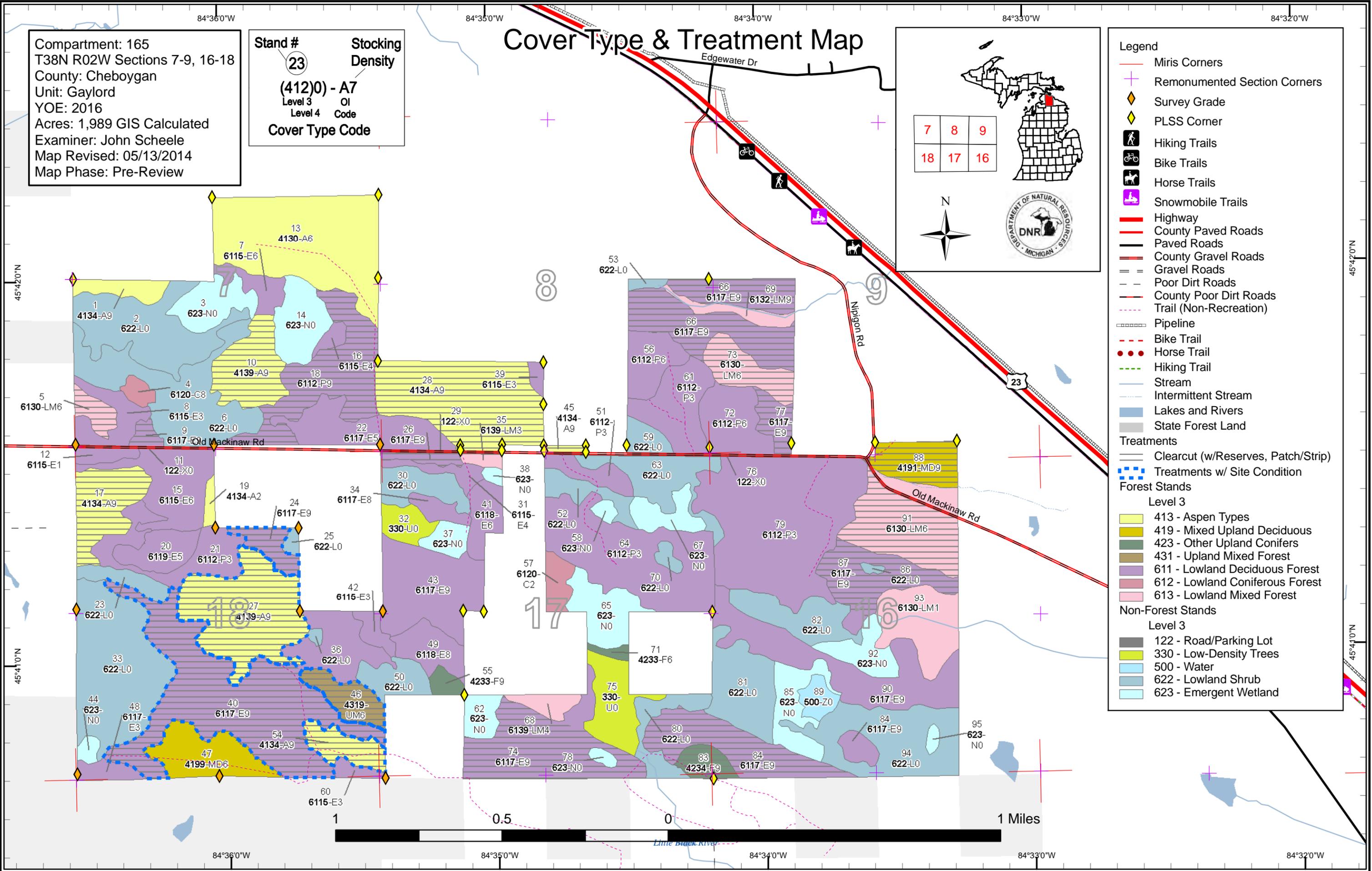
Level 3

- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other 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
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

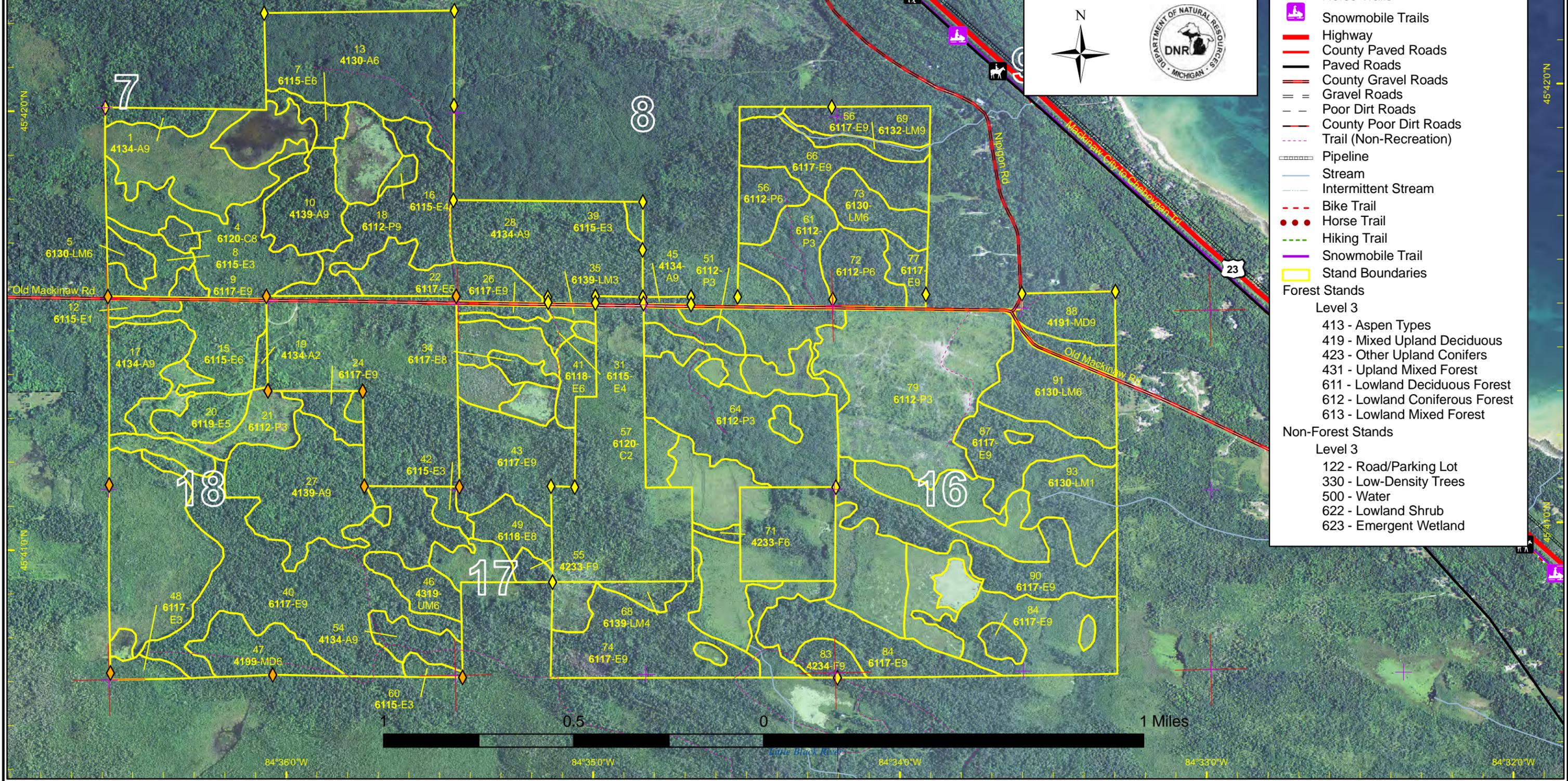


Compartment: 165  
 T38N R02W Sections 7-9, 16-18  
 County: Cheboygan  
 Unit: Gaylord  
 YOE: 2016  
 Acres: 1,989 GIS Calculated  
 Examiner: John Scheele  
 Map Revised: 05/13/2014  
 Map Phase: Pre-Review

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

# Stand Boundary Map

- Legend**
- Miris Corners
  - Remonumented Section Corners
  - Survey Grade
  - PLSS Corner
  - Hiking Trails
  - Bike Trails
  - Horse Trails
  - Snowmobile Trails
  - Highway
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Trail (Non-Recreation)
  - Pipeline
  - Stream
  - Intermittent Stream
  - Bike Trail
  - Horse Trail
  - Hiking Trail
  - Snowmobile Trail
  - Stand Boundaries
- Forest Stands**
- Level 3
- 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 423 - Other Upland Conifers
  - 431 - Upland Mixed Forest
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  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3
- 122 - Road/Parking Lot
  - 330 - Low-Density Trees
  - 500 - Water
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland



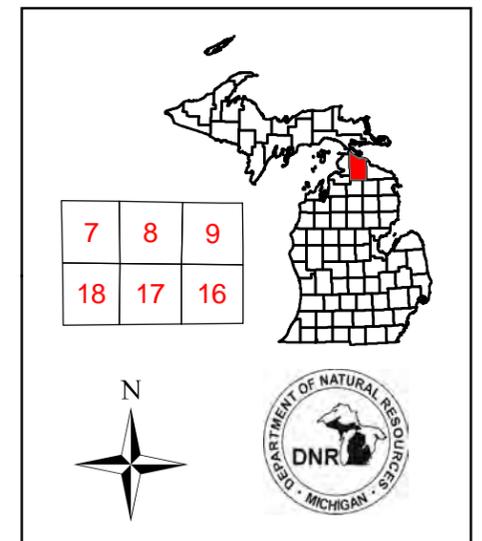
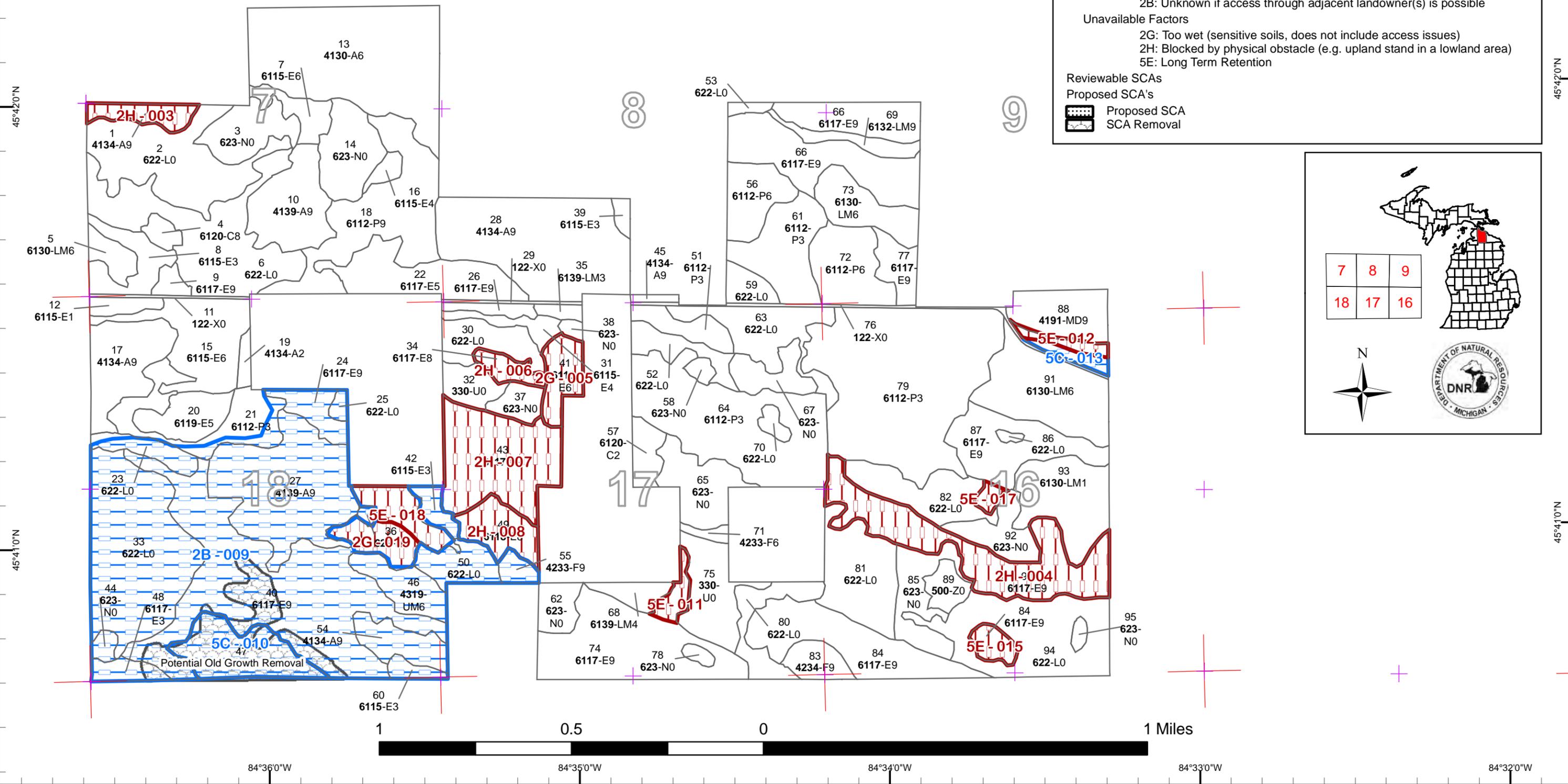
Compartment: 165  
 T38N R02W Sections 7-9, 16-18  
 County: Cheboygan  
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 Examiner: John Scheele  
 Map Revised: 05/13/2014  
 Map Phase: Pre-Review

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

# Special Conservation Areas & Site Conditions Map

## 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)
  - 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
  - 5E: Long Term Retention
- Reviewable SCAs
- Proposed SCA's
- Proposed SCA
- SCA Removal



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	0	3	84	0	0	0	0	0	84	123	0	0	0	0	294
Cedar	0	0	0	8	0	0	0	0	0	0	0	4	0	0	12
Low-Density Trees	32	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Lowland Aspen/Balsam Poplar	134	0	121	0	23	0	0	0	0	50	0	0	0	0	328
Lowland Deciduous	0	0	11	12	46	14	7	39	224	256	0	0	0	0	609
Lowland Mixed Forest	0	3	0	30	7	0	7	18	47	0	0	0	8	0	119
Lowland Shrub	374	0	0	0	0	0	0	0	0	0	0	0	0	0	374
Marsh	128	0	0	0	0	0	0	0	0	0	0	0	0	0	128
Mixed Upland Deciduous	0	0	0	0	0	0	0	26	19	0	0	0	0	0	45
Upland Mixed Forest	0	0	0	0	0	14	0	0	0	0	0	0	0	0	14
Upland Spruce/Fir	0	0	0	0	2	0	9	4	0	0	0	0	0	0	16
Urban	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Water	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
<b>Total</b>	<b>684</b>	<b>6</b>	<b>216</b>	<b>50</b>	<b>79</b>	<b>28</b>	<b>23</b>	<b>87</b>	<b>375</b>	<b>429</b>	<b>0</b>	<b>4</b>	<b>8</b>	<b>0</b>	<b>1989</b>



## Report 2 – Proposed Treatment Summaries

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

**Compartment 165**  
**Total Compartment Acres: 1,989**

### Acres by Treatment Type

Commercial Harvest - 665    Tree Planting - 0    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>	199	0	0	0	0	0	199
<b>Lowland Deciduous Forest</b>	359	0	0	0	0	0	359
<b>Lowland Mixed Forest</b>	64	0	0	0	0	0	64
<b>Mixed Upland Deciduous</b>	19	0	0	0	0	0	19
<b>Other Upland Conifers</b>	9	0	0	0	0	0	9
<b>Upland Mixed Forest</b>	14	0	0	0	0	0	14
<b>Total</b>	<b>665</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>665</b>

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
5 52165005-CC	6.9	6130 - Fir, Aspen, Maple	High Density Pole	60		Harvest	Clearcut	6130 - Fir, Aspen, Maple	Cmpt. Review Proposal

Prescription Harvest stand to regenerate. May want to sell as an optional stand with stand to the east. Cut in winter or summer to minimize rutting. No retention recommended due to small stand and low merchantability.

Other Comments: Stand has low quality volume and merchantability. Possible access to stand would either be from the stand to the east or off of Old Mackinaw Road.

Next Steps: Regeneration Survey. Acceptable regeneration includes a moderate to well stocked mix of Balsam Fir and lowland deciduous species.

Proposed Start Date: 10/01/2015

9 52165009-CC	3.6	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	80		Harvest	Clearcut	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
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Prescription Harvest stand to regenerate. Cut in winter or summer to minimize rutting. No retention recommended due to small stand size and low merchantability..

Other Comments:

Next Steps: Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of lowland deciduous and mixed coniferous tree species.

Proposed Start Date: 10/01/2015

10 52165010-CCWR	27.3	4139 - Aspen, Mixed Deciduous	High Density Log	95		Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Harvest stand to regenerate. Do not cut cedar or hemlock. Cut in winter or summer to minimize rutting. Leave retention in north part of stand.

Other Comments: Aspen dying out with some trunk rot. Heavy past porcupine damage to sugar maple. Access stand from the east.

Next Steps: Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and mixed deciduous species.

Proposed Start Date: 10/01/2015

17 52165017-CCWR	26.8	4134 - Aspen, Spruce/Fir	High Density Log	95		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
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Prescription Harvest stand to regenerate. Do not cut cedar. Cut in winter or summer to minimize rutting. Place retention pockets around lowground pockets.

Other Comments: Tall, overmature aspen. Pockets of lowground. White Cedar is short. Access stand from the west through private property.

Next Steps: Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and coniferous species.

Proposed Start Date: 10/01/2015

18 52165018-CCWR	49.9	6112 - Lowland Aspen	High Density Log	95		Harvest	Clearcut with Reserves	6112 - Lowland Aspen	Cmpt. Review Proposal
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Prescription Harvest stand to regenerate. Do not cut cedar. Possible retention areas are along Old Mackinaw Road or in north part of stand along drainage.

Other Comments: Aspen is dying out with dead tops in some trees. Pockets of lowland shrub. Higher concentration of Black Ash along drainage in north part of stand.

Next Steps: Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen, deciduous, and coniferous species.

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
26	52165026-CC	4.4	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	90		Harvest	Clearcut	6112 - Lowland Aspen	Cmpt. Review Proposal
<u>Prescription</u> Harvest stand to regenerate. Cut in winter or summer to minimize rutting. No retention recommended due to small stand size and low <u>Specs:</u> merchantability..										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and Balsam Fir. <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> 10/01/2015										
28	52165028-CC	69.5	4134 - Aspen, Spruce/Fir	High Density Log	80		Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Harvest stand to regenerate.										
<u>Specs:</u>										
<u>Other</u> Stand is part of Timber Sale Contract 52-115-10-01. Pockets of lowland with tag alder within stand. <u>Comments:</u>										
<u>Next</u> Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and coniferous species. <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> 10/01/2010										
45	52165045- CCWR	1.6	4134 - Aspen, Spruce/Fir	High Density Log	80		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<u>Prescription</u> Harvest stand to regenerate. Do not cut White Pine. No retention due to small stand size and low merchantability..										
<u>Specs:</u>										
<u>Other</u> May want to sell as an addendum with adjacent timber sale 52-115-10-01. <u>Comments:</u>										
<u>Next</u> Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and coniferous species. <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> 10/01/2015										
66	52165066- CCWR	56.4	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	90		Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
<u>Prescription</u> Harvest stand to regenerate. Harvest in winter or summer to minimize rutting. Put retention along stream at top of ridge to also act as a buffer.										
<u>Specs:</u>										
<u>Other</u> Aspen and bam dying out. Some larger diameter aspen in north part of stand. Areas of higher ground with better quality timber. Stream runs <u>Comments:</u> through middle of stand. Need culvert or bridge to cross stream with the best location being on the west side. Access to stand from Old Mackinaw Road is possible, but is fairly wet. Better access would be through Ruxton property off of Nipigon Road, which is much drier.										
<u>Next</u> Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and coniferous species. <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> 10/01/2015										



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
73	52165073-CCWR	18.0	6130 - Fir, Aspen, Maple	High Density Pole	70		Harvest	Clearcut with Reserves	6130 - Fir, Aspen, Maple	Cmpt. Review Proposal
<p><u>Prescription</u> Harvest stand to regenerate. Cut in winter or summer to minimize rutting. Possible retention location is in center of stand where it may be wetter.</p> <p><u>Specs:</u></p> <p><u>Other</u> Poor quality aspen which is 4 sticks high and dying out. Appears to be a fairly wet site with possible high water table. Pockets of higher ground with more Balsam Fir and White Spruce. Aspen canopy is closer to 75% with a heavy Balsam Fir understory.</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u> Regeneration survey. Acceptable regeneration includes a low to well stocked mix of aspen and coniferous species.</p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										
74	52165074-CCWR	49.6	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	90		Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
<p><u>Prescription</u> Harvest stand to regenerate. Cut in winter or summer to minimize rutting. A retention area for the stand has been created in northeast part of stand on other side of lowland shrub area.</p> <p><u>Specs:</u></p> <p><u>Other</u> Poor quality aspen with trunk rot. Pockets of low ground shrub. Some larger diameter aspen trees on higher, drier ridges within stand. Access stand from private property to the southeast.</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u> Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen, deciduous and coniferous species.</p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										
77	52165077-CCWR	9.5	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	90		Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
<p><u>Prescription</u> Harvest stand to regenerate. Cut in winter or summer to minimize rutting. Possible retention area in north part of stand where it becomes wetter.</p> <p><u>Specs:</u></p> <p><u>Other</u> Drier ground compared to stands to the north and west. A cut survey line is on the east side of stand. Wetter ground on north side of stand.</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u> Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and balsam Fir.</p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										
83	52165083-CCWR	8.9	42340 - Upland Spruce/Fir	High Density Log	65		Harvest	Clearcut with Reserves	42340 - Upland Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription</u> Harvest stand to regenerate. Place retention around survey corner.</p> <p><u>Specs:</u></p> <p><u>Other</u> Aspen is poor quality with trunk rot. Spruce is tall and has very good growth per year. Access stand from private property to the south.</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u> Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and coniferous species.</p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p>										



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
84	52165084- CCWR_exp-0	37.6	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	80		Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
<u>Prescription</u> Harvest stand to regenerate. Harvest in winter or summer to minimize rutting. The isolated island to the east has been left as retention. Access stand from the south across private land.										
<u>Specs:</u>										
<u>Other</u> Aspen dying out. Pockets of lowland shrub and pockets of higher ground with better quality timber within stand. Access stand from private property to the south.										
<u>Comments:</u>										
<u>Next</u> Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and coniferous species.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
87	52165087- CCWR	29.5	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	80		Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
<u>Prescription</u> Harvest stand to regenerate. Cut in winter or summer to minimize rutting. The peninsula in south part of stand is identified as a retention area for the stand.										
<u>Specs:</u>										
<u>Other</u> Stand is a little higher ground compared to lower ground stand to the north. Possible high water table. Aspen is dying out.										
<u>Comments:</u>										
<u>Next</u> Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and coniferous species.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
88	52165088- CCWR	19.5	4191 - Mixed Upland Deciduous with Conifer	High Density Log	80		Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Harvest stand to regenerate. Do not cut White Pine.										
<u>Specs:</u>										
<u>Other</u> Stand is currently part of Timber Sale Contract 52-115-10-01.										
<u>Comments:</u>										
<u>Next</u> Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen, maple, birch and coniferous species.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2010										
91	52165091- CCWR_exp-0	38.9	6130 - Fir, Aspen, Maple	High Density Pole	80		Harvest	Clearcut with Reserves	6130 - Fir, Aspen, Maple	Cmpt. Review Proposal
<u>Prescription</u> Harvest stand to regenerate. Harvest area is on the south side of Old Makinaw Road. Mark a few clumps of cedar to leave. Cut in winter or summer to minimize rutting. A retention for the stand has been established along the stream on the north side of Old Mackinaw Road.										
<u>Specs:</u>										
<u>Other</u> Poor quality aspen with dying tops. Very short cedar. Pockets of wetter areas with low density trees and lowland shrubs. Larger, better quality aspen trees are along road and western edge of stand.										
<u>Comments:</u>										
<u>Next</u> Regeneration survey. Acceptable regeneration includes a low to well stocked mix of aspen and coniferous species.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										

**Total Treatment  
Acreage Proposed: 458.0**



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
24 52165024-CCWR	9.4	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	85		Harvest	Clearcut with Reserves	6112 - Lowland Aspen	Cmpt. Review Proposal

Prescription Harvest stand to regenerate. Cut in summer or winter to minimize rutting. Place retention along wet area to the east.  
Specs:

Other Comment: Poor quality aspen with dying tops and trunk rot. Higher ground on edges of stand with better quality timber. Factor limit because of no access.

Next Steps: Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and coniferous species.

Proposed Start Date: 10/01/2015

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

27 52165027-CCWR	60.3	4139 - Aspen, Mixed Deciduous	High Density Log	90		Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Harvest stand to regenerate. Place retention around the pockets of Sugar Maple on the west side for canopy cover diversity. Retaining greater than the recommended 3 to 10% of the stand as retention is acceptable.  
Specs:

Other Comment: Some larger diameter aspen and Red Maple. Birch is dying out. Light Beech Bark Disease with some bear claw marks on beech trees. Some pockets of lower ground. Factor limit because of no access.

Next Steps: Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and deciduous species.

Proposed Start Date: 10/01/2015

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

40 52165040-CCWR	109.1	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	80		Harvest	Clearcut with Reserves	6112 - Lowland Aspen	Cmpt. Review Proposal
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Prescription Harvest stand to regenerate. Do not cut cedar. Cut in winter or summer to minimize rutting. The northeast part of stand is identified as a retention area. May also want to leave a retention area in northwest corner of stand due to difficult access.  
Specs:

Other Comment: Aspen declining with trunk rot. Pockets of lowland shrub within stand. Some higher ground with better quality trees. Northeast and northwest part of stand are very wet, leave as retention. Factor limit due to no access.

Next Steps: Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and coniferous species.

Proposed Start Date: 10/01/2015

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

46 52165046-CCWR	14.5	4319 - Mixed Upland Forest	High Density Pole	52		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
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Prescription Harvest stand to regenerate. Harvest in winter or summer to minimize rutting.  
Specs:

Other Comment: Stand is on a higher ridge compared to surrounding ground. Poor quality aspen. Aspen is in patches. Larger Balsam Fir is starting to break off and fall over. 4 stick high Balsam Fir. Factor limit stand due to no access.

Next Steps: Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and Balsam Fir.

Proposed Start Date: 10/01/2015

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

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
54 52165054-CCWR	13.3	4134 - Aspen, Spruce/Fir	High Density Log	80		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal

Prescription Harvest stand to regenerate. Harvest in winter or summer to minimize rutting.

Specs:

Other Poor quality aspen with trunk rot. Factor limit due to no access.

Comment:

Next Regeneration survey. Acceptable regeneration includes a moderate to well stocked mix of aspen and coniferous species.

Steps:

Proposed

Start Date: 10/01/2015

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

**Total Treatment  
Acreage Proposed: 206.6**

## Report 5 – Site Conditions

Gaylord Mgt. Unit  
John Scheele : Examiner

Compartment 165  
Year of Entry 2016

### Availability for Management

Total Acres	Acres			Dominant Site Conditions					
	Available	Not Available		No	5E	5C	2H	2G	2B
294	285	9	<b>Aspen</b>	212			9		74
12	12		<b>Cedar</b>	12					
328	328		<b>Lowland Aspen/Balsam Poplar</b>	322					6
609	442	167	<b>Lowland Deciduous</b>	307	25		119	23	135
119	115	4	<b>Lowland Mixed Forest</b>	112	4	4			
45	45	0	<b>Mixed Upland Deciduous</b>	19	0	26			
14	14		<b>Upland Mixed Forest</b>						14
16	16		<b>Upland Spruce/Fir</b>	11					4
1,438	1,258	180	Total Forested Acres	995	29	30	128	23	233
	87%	13%	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
003	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	2B: Unknown if access through adjacent landowner(s) is possible			
<b>Comments:</b>							
004	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	52				
<b>Comments:</b>							
005	Not Available	2G: Too wet (sensitive soils, does not include access issues)	12				
<b>Comments:</b>							

Report 5 – Site Conditions

Gaylord Mgt. Unit  
John Scheele : Examiner

Compartment 165  
Year of Entry 2016

006	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	
<b>Comments:</b>				
007	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	46	
<b>Comments:</b>				
008	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	15	
<b>Comments:</b>				
009	Available	2B: Unknown if access through adjacent landowner(s) is possible	329	
<b>Comments:</b> Private landowner would like the State to consider a land swap or purchase before granting access through their property.				
010	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	2B: Unknown if access through adjacent landowner(s) is possible
<b>Comments:</b> Treatment was proposed but dropped at the Pre-Review by recommendation of timber specialist.				
011	Not Available	5E: Long Term Retention	5	
<b>Comments:</b> Retention for stand 74.				

Report 5 – Site Conditions

Gaylord Mgt. Unit  
John Scheele : Examiner

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012	Not Available	5E: Long Term Retention	4
<p><b>Comments:</b> Long term retention for stand 91.</p>			
013	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4
<p><b>Comments:</b></p>			
015	Not Available	5E: Long Term Retention	6
<p><b>Comments:</b> Retention for Stand 84</p>			
017	Not Available	5E: Long Term Retention	3
<p><b>Comments:</b> Retention for Stand 87</p>			
018	Not Available	5E: Long Term Retention	12
<p><b>Comments:</b> Private landowner would like the State to consider a land swap or purchase before granting access through their property. This is retention for Stand 40.</p>			
019	Not Available	2G: Too wet (sensitive soils, does not include access issues)	11
<p><b>Comments:</b></p>			



**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>Potential Old Growth Removal</b>	Potential Old Growth		<b>SCA Removal</b>	46.4
<b>Comments</b>				
SAVE TO CREATE OLD GROWTH STAND.Nice birch, healthy, similar to Stand 29, more R. Maple.				



### 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
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4134 - Aspen, Spruce/Fir	High Density Log	9.0	95		Aspen and birch are dying out. Factor limit stand because of no access.
4	6120 - Lowland Cedar	Medium Density Log	4.0	110		Cedar is poor quality with dying tops and blowdown starting.
5	6130 - Fir, Aspen, Maple	High Density Pole	6.9	60		Stand has low quality, volume and merchantability. Possible access to stand would either be from the stand to the east or off of Old Mackinaw Road. Tracked equipment is recommended.
7	6115 - Lowland Ash	High Density Pole	9.1	75		Aspen and birch dying out.
8	6115 - Lowland Ash	High Density Sapling	13.9	50		
9	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	3.6	80		
10	4139 - Aspen, Mixed Deciduous	High Density Log	27.3	95		Aspen dying out with some trunk rot. Heavy past porcupine damage to sugar maple
12	6115 - Lowland Ash	Low Density Sapling	5.0	20		Very poor Black Ash stand. Borderline lowland shrub stand. Ash is 20-30 feet tall and dying with White Cedar mostly dead.
13	4130 - Aspen	High Density Pole	83.7	28		
15	6115 - Lowland Ash	High Density Pole	31.6	40		Non-merchantable and very wet. Bam is dead and dying out.
16	6115 - Lowland Ash	Low Density Pole	3.4	85		Stand was recently flooded by beaver activity.
17	4134 - Aspen, Spruce/Fir	High Density Log	26.8	95		Tall, overmature aspen. Pockets of lowground. White Cedar is short. Access stand from the west through private property.
18	6112 - Lowland Aspen	High Density Log	49.9	95		Aspen is dying out with some trees with dead tops. Pockets of lowland shrub. Higher concentration of Black Ash along drainage in north part of stand.
19	4134 - Aspen, Spruce/Fir	Medium Density	2.8	10		Stand was cut in 2004 as a trespass.
20	6119 - Mixed Lowland Deciduous Forest	Medium Density Pole	14.7	40		Cedar is blowing down.
21	6112 - Lowland Aspen	High Density Sapling	26.1	3		East side of stand is more upland.
22	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	30.0	70		Some larger diameter aspen along Old Mackinaw Road.

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Gaylord Mgt. Unit

## Report 8 – Forested Stands

Compartment: 165  
Year of Entry: 2016

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	9.4	85		Poor quality aspen with dying tops and trunk rot. Higher ground on edges of stand with better quality timber. Factor limit because of no access.
26	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	4.4	90		
27	4139 - Aspen, Mixed Deciduous	High Density Log	60.3	90		Some larger diameter aspen and Red Maple. Birch is dying out. Light Beech Bark Disease with some bear claw marks on beech trees. Some pockets of lower ground. Factor limit because of no access.
28	4134 - Aspen, Spruce/Fir	High Density Log	69.5	80		Stand is part of Timber Sale Contract 52-115-10-01. Pockets of lowland with tag alder within stand.
31	6115 - Lowland Ash	Low Density Pole	6.7	60		
34	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Log	6.1	90		Factor limit.
35	6139 - Mixed Lowland Forest	High Density Sapling	2.8	10		
39	6115 - Lowland Ash	High Density Sapling	2.4	20		
40	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	133.3	80		Aspen declining with trunk rot. Pockets of lowland shrub within stand. Some higher ground with better quality trees. Northeast and northwest part of stand are very wet. Leave as retention. Factor limit due to no access.
41	6118 - Lowland Deciduous with Cedar	High Density Pole	12.0	90		
42	6115 - Lowland Ash	High Density Sapling	5.6	30		Poor quality stand.
43	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	45.9	90		Over mature aspen which is falling over. Stand is drier with better timber on the west side of stand and wetter with less timber to the east. Pockets of lowland shrub within stand. Factor limit due to no access.
45	4134 - Aspen, Spruce/Fir	High Density Log	1.6	80		May want to sell with adjacent timber sale 52-115-10-01.
46	4319 - Mixed Upland Forest	High Density Pole	14.5	52		Stand is on a higher ridge compared to surrounding ground. Poor quality aspen. Aspen is in patches. Larger balsam fir is starting to break off and fall over. 4 stick high Balsam Fir. Factor limit stand due to no access.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
47	4199 - Other Mixed Upland Deciduous	High Density Pole	25.9	72	81-110	Upland ridge surrounded by lowland. Average to low quality trees. Some larger aspen trees with birch dying out. BA = 106. Factor limit due to no access.
48	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	6.2	30		
49	6118 - Lowland Deciduous with Cedar	Medium Density Log	14.9	90		Dead or dying tamarack overstory. Factor limit due to no access and too wet.
51	6112 - Lowland Aspen	High Density Sapling	9.8	28		
54	4134 - Aspen, Spruce/Fir	High Density Log	13.3	80		Poor quality aspen with trunk rot. Factor limit due to no access.
55	42330 - Upland Fir	High Density Log	4.3	70		Factor limit due to no access.
56	6112 - Lowland Aspen	High Density Pole	16.7	26		
57	6120 - Lowland Cedar	Medium Density	8.0	30		Overstory consist of dead 5 inch DBH cedar with a few live tamarack.
60	6115 - Lowland Ash	High Density Sapling	3.8	20		
61	6112 - Lowland Aspen	High Density Sapling	27.0	26		
64	6112 - Lowland Aspen	High Density Sapling	68.0	28		
66	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	56.4	90		Aspen and bam dying out. Some larger diameter aspen in north part of stand. Areas of higher ground with better quality timber. Stream runs through middle of stand. Need culvert or bridge to cross stream with the best location being on the west side. Access stand from Old Mackinaw Road, which is fairly wet. Possible access throught Ruxton property off of Nipigon Road, which is much drier.
68	6139 - Mixed Lowland Forest	Low Density Pole	6.8	40		Very poor site.
69	6132 - Mixed Lowland Forest with Cedar	High Density Log	7.6	120		Stream has fairly steep slopes on both sides. Factor limit as a buffer.
71	42330 - Upland Fir	High Density Pole	2.3	45		Higher ground ridge.
72	6112 - Lowland Aspen	High Density Pole	23.2	43		Some larger diameter, better quality aspen trees on the higher ground. Pockets of lower, wet ground.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
73	6130 - Fir, Aspen, Maple	High Density Pole	18.0	70		Poor quality aspen which is 4 sticks high and dying out. Appears to be a fairly wet site with possible high water table. Pockets of higher ground with more Balsam Fir and White Spruce. Aspen canopy is closer to 75% with a heavy Balsam Fir understory.
74	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	54.9	90		Poor quality aspen with trunk rot. Pockets of low ground shrub. Some larger diameter aspen trees on higher, drier ridges within stand. Access stand from private property to the south.
77	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	9.5	90		Drier ground compared to stands to the north and west. A cut survey line is on the east side of stand. Wetter ground on north side of stand.
79	6112 - Lowland Aspen	High Density Sapling	107.5	3		
83	42340 - Upland Spruce/Fir	High Density Log	8.9	65		Aspen is poor quality with trunk rot. Spruce is tall and has very good growth per year. Access stand from private property to the south.
84	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	43.2	80		Aspen dying out. Pockets of lowland shrub and pockets of higher ground with better quality timber within stand. Access stand from private property to the south. Tracked equipment is recommended.
87	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	31.6	80		Stand is a little higher ground compared to lower ground stand to the north. Possible high water table. Aspen is dying out.
88	4191 - Mixed Upland Deciduous with Conifer	High Density Log	19.5	80		Part of Timber Sale Contract 52-115-10-01.
90	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	51.8	90		Birch dying out. Factor limit due to no access. 2 large nest within stand.
91	6130 - Fir, Aspen, Maple	High Density Pole	46.7	80		Poor quality aspen with dying tops. Very short cedar. Pockets of wet, low density trees and lowland shrubs. Larger, better quality aspen trees are along road and western edge of stand.
93	6130 - Fir, Aspen, Maple	Low Density Sapling	30.4	30		Borderline lowland shrub stand. Very poor stand.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	622 - Lowland Shrub	47.0	Unspecified	Unspecified	
3	623 - Emergent Wetland	17.4	Unspecified	Unspecified	
6	622 - Lowland Shrub	55.0	Unspecified	Unspecified	
11	122 - Road/Parking Lot	1.8	Unspecified	Unspecified	
14	623 - Emergent Wetland	20.8	Unspecified	Unspecified	
23	622 - Lowland Shrub	8.9	Unspecified	Unspecified	
25	622 - Lowland Shrub	2.0	Unspecified	Unspecified	
29	122 - Road/Parking Lot	1.8	Unspecified	Unspecified	
30	622 - Lowland Shrub	15.2	Unspecified	Unspecified	
32	330 - Low-Density Trees	9.4	Unspecified	Unspecified	
33	622 - Lowland Shrub	69.5	Unspecified	Unspecified	
36	622 - Lowland Shrub	1.2	Unspecified	Unspecified	
37	623 - Emergent Wetland	7.2	Unspecified	Unspecified	
38	623 - Emergent Wetland	1.7	Unspecified	Unspecified	
44	623 - Emergent Wetland	2.9	Unspecified	Unspecified	
50	622 - Lowland Shrub	12.6	Unspecified	Unspecified	
52	622 - Lowland Shrub	10.4	Unspecified	Unspecified	
53	622 - Lowland Shrub	2.1	Unspecified	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
58	623 - Emergent Wetland	2.4	Unspecified	Unspecified	
59	622 - Lowland Shrub	6.8	Unspecified	Unspecified	
62	623 - Emergent Wetland	8.4	Unspecified	Unspecified	
63	622 - Lowland Shrub	25.0	Unspecified	Unspecified	
65	623 - Emergent Wetland	20.2	Unspecified	Unspecified	
67	623 - Emergent Wetland	11.3	Unspecified	Unspecified	
70	622 - Lowland Shrub	3.0	Unspecified	Unspecified	
75	330 - Low-Density Trees	22.6	Unspecified	Unspecified	
76	122 - Road/Parking Lot	5.7	Unspecified	Unspecified	
78	623 - Emergent Wetland	2.0	Unspecified	Unspecified	
80	622 - Lowland Shrub	13.7	Unspecified	Unspecified	
81	622 - Lowland Shrub	30.7	Unspecified	Unspecified	
82	622 - Lowland Shrub	22.3	Unspecified	Unspecified	
85	623 - Emergent Wetland	18.6	Unspecified	Unspecified	
86	622 - Lowland Shrub	1.1	Unspecified	Unspecified	
89	50 - Water	6.9	Unspecified	Unspecified	
92	623 - Emergent Wetland	13.6	Unspecified	Unspecified	
94	622 - Lowland Shrub	47.7	Unspecified	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
95	623 - Emergent Wetland	1.8	Unspecified	Unspecified	