



COMPARTMENT REVIEW PRESENTATION

GAYLORD FOREST MANAGEMENT UNIT

COMPARTMENT: 167

ENTRY YEAR: 2013

ACREAGE: 542

COUNTY: Cheboygan

Revision Date: 04/21/2011

Stand Examiner: Shannon Harig

Legal Description: T35N-R02W, Sections 7,8,9,16,18

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

Soil and Topography: This compartment is mostly wetlands. Two small stands, one Red Pine and one Aspen, account for the only upland areas in this compartment. The Roscommon- Charity-Au Gres Association dominates.

Ownership Patterns, Development, and Land Use in and Around the Compartment: There is some residential development in the area but is limited by the water and wet soils. This compartment is surrounded by private property.

Unique, Natural Features: Potential for Loon, Osprey, Black Tern, Michigan Monkey Flower and Lake Cress.

Archeological, Historical, and Cultural Features: There is a potential for archeological features in or around this compartment though there will be no silvicultural work in this compartment that could disturb them.

Special Management Designations or Considerations: None

Watershed and Fisheries Considerations: This compartment is within the Mullett Lake watershed, which is within the larger Cheboygan River drainage. The compartment contains portions of Indian River, Pigeon River, and the Mullett Lake shoreline. Since no treatments are scheduled near waterbodies, Fisheries has no comments at this time.

Wildlife Habitat Considerations: This is mainly a lowland compartment associated with Mullet Lake. It supports a wide variety of wetland species including; ducks, geese, various amphibians and furbearers. Bald eagles are also associated with this area.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of coarse-textured glacial till (upland) and lacustrine sand and gravel. The glacial drift thickness varies between 100 and 400 feet, thinning to the south. The Devonian Traverse Group subcrops below the glacial drift. The Traverse is used for cement and stone elsewhere in the State. The nearest gravel pit is located in the SW of Section 7. The compartment appears to have gravel potential especially the uplands. The nearest oil and gas production, the Antrim Shale gas play, is located 16 miles to the south. The area was recently leased and the Collingwood Formation may have oil and gas potential.

Vehicle Access: Very limited access.

Survey Needs: None

Recreational Facilities and Opportunities: Opportunity for fishing and bird watching. There is a small private campground north of the compartment.

Fire Protection: Very little potential for wildfire in this compartment

Additional Compartment Information:

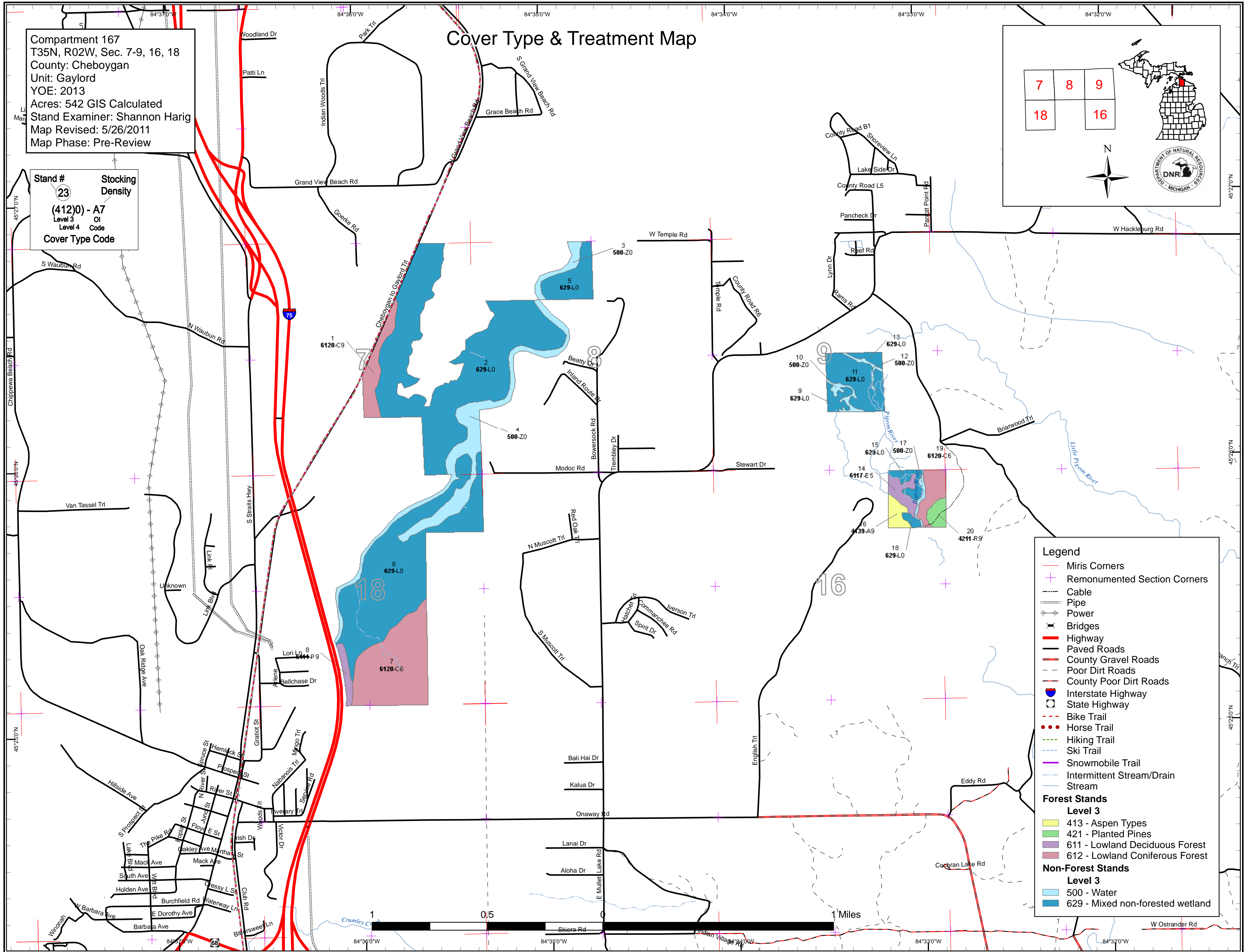
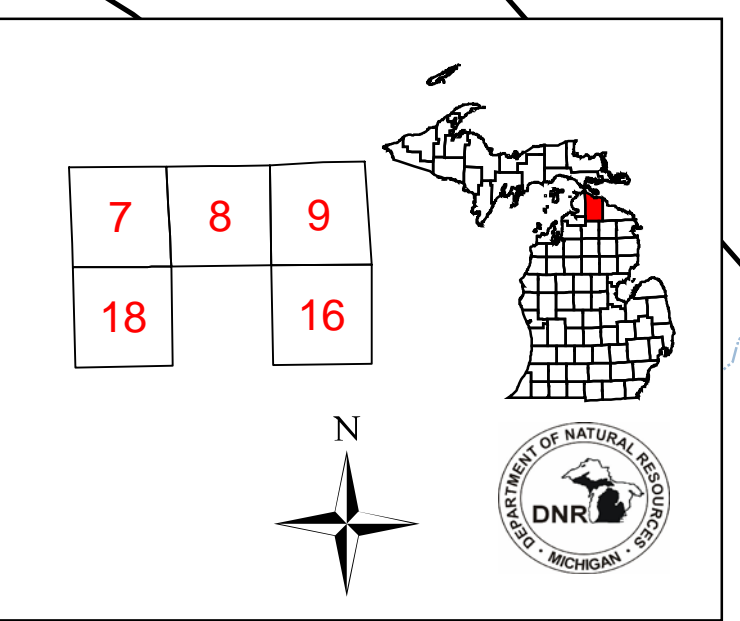
- **The following 3 reports from the IFMAP Inventory System are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

- **The following information is displayed, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand numbers, cover types**
 - ◆ **Proposed treatments**
 - ◆ **Proposed road access system**
 - ◆ **Suggested potential and current SCA's**

Cover Type & Treatment Map

Compartment 167
 T35N, R02W, Sec. 7-9, 16, 18
 County: Cheboygan
 Unit: Gaylord
 YOY: 2013
 Acres: 542 GIS Calculated
 Stand Examiner: Shannon Harig
 Map Revised: 5/26/2011
 Map Phase: Pre-Review

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



Legend

- Miris Corners
- + Remonumented Section Corners
- - - Cable
- - - - Pipe
- ⊕ Power
- ⊗ Bridges
- Highway
- Paved Roads
- County Gravel Roads
- - - Poor Dirt Roads
- - - County Poor Dirt Roads
- Interstate Highway
- State Highway
- - - Bike Trail
- Horse Trail
- - - Hiking Trail
- - - Ski Trail
- - - Snowmobile Trail
- - - Intermittent Stream/Drain
- Stream

Forest Stands

Level 3

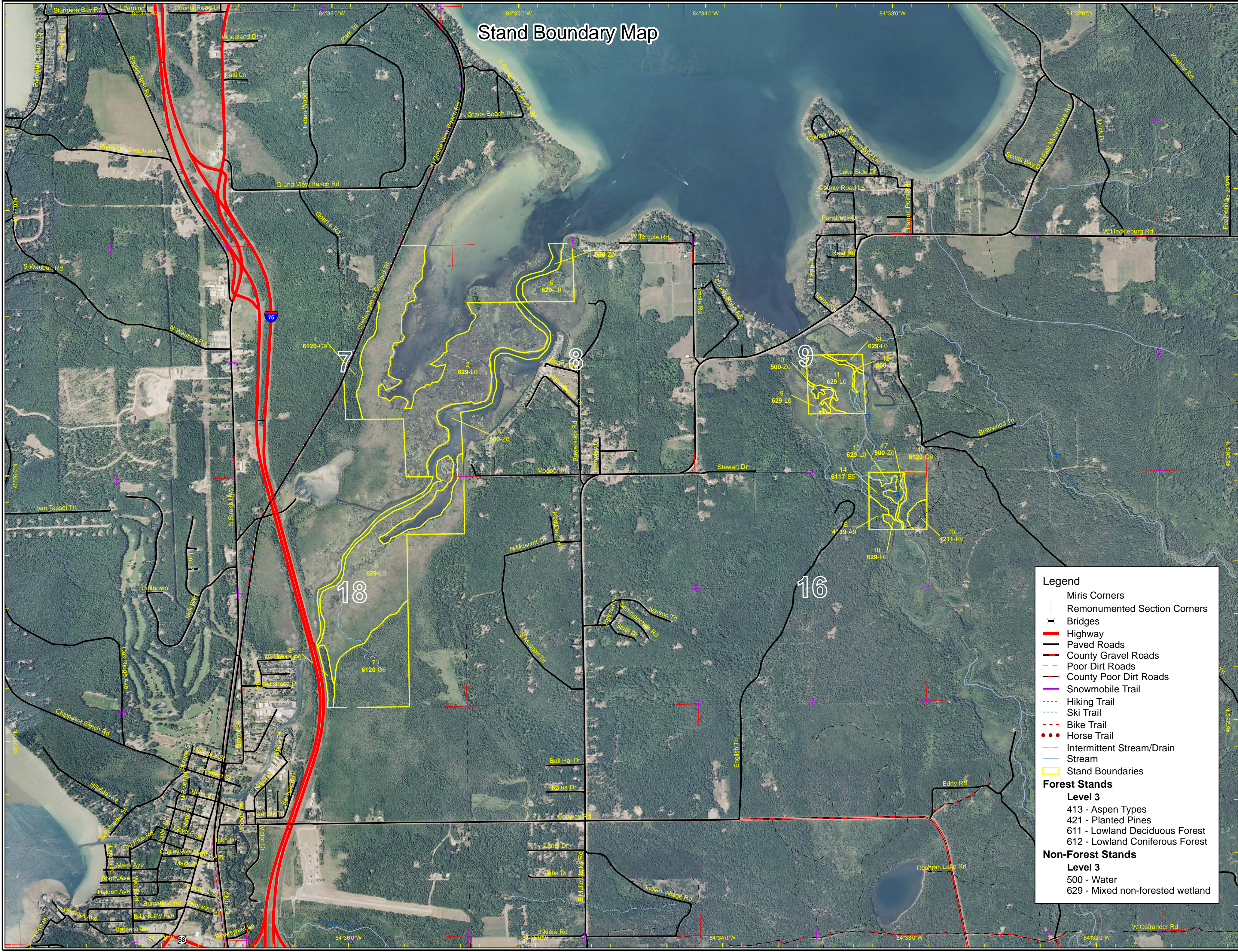
- 413 - Aspen Types
- 421 - Planted Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

Level 3

- 500 - Water
- 629 - Mixed non-forested wetland

Stand Boundary Map



Legend

- Miris Corners
- + Remonumented Section Corners
- Bridges
- Highway
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Snowmobile Trail
- Hiking Trail
- Ski Trail
- - - Bike Trail
- Horse Trail
- Intermittent Stream/Drain
- Stream
- Stand Boundaries

Forest Stands

Level 3

- 413 - Aspen Types
- 421 - Planted Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

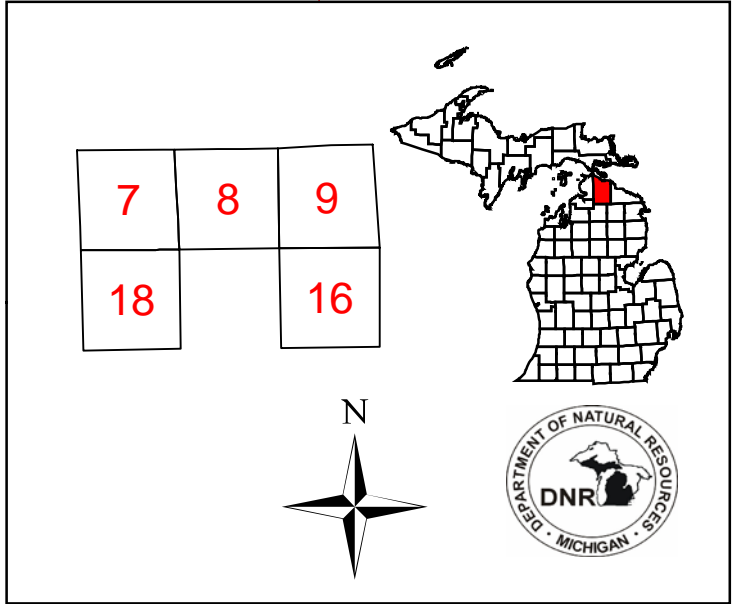
Level 3

- 500 - Water
- 629 - Mixed non-forested wetland

Dedicated & Proposed Special Conservation Area Map

Compartment 167
 T35N, R02W, Sec. 7-9, 16, 18
 County: Cheboygan
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Stand #
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Stocking Density
 (412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code



- Legend**
- Miris Corners
 - + Remonumented Section Corners
 - Stand Boundaries
 - Proposed Special Conservation Areas**
 - ▨ SCA - Special Conservation Area
 - ▩ SCA Removal
 - Cold Water Streams**
 - Cold Water Streams
 - ⚓ Boat Access Sites
 - Natural Rivers Zoning District
 - Natural Rivers Vegetative Buffer
 - Forest Stands**
 - Level 3**
 - 413 - Aspen Types
 - 421 - Planted Pines
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - Non-Forest Stands**
 - Level 3**
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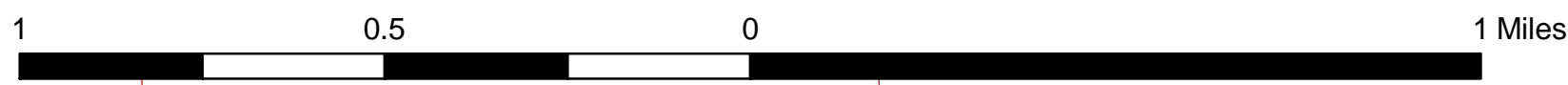
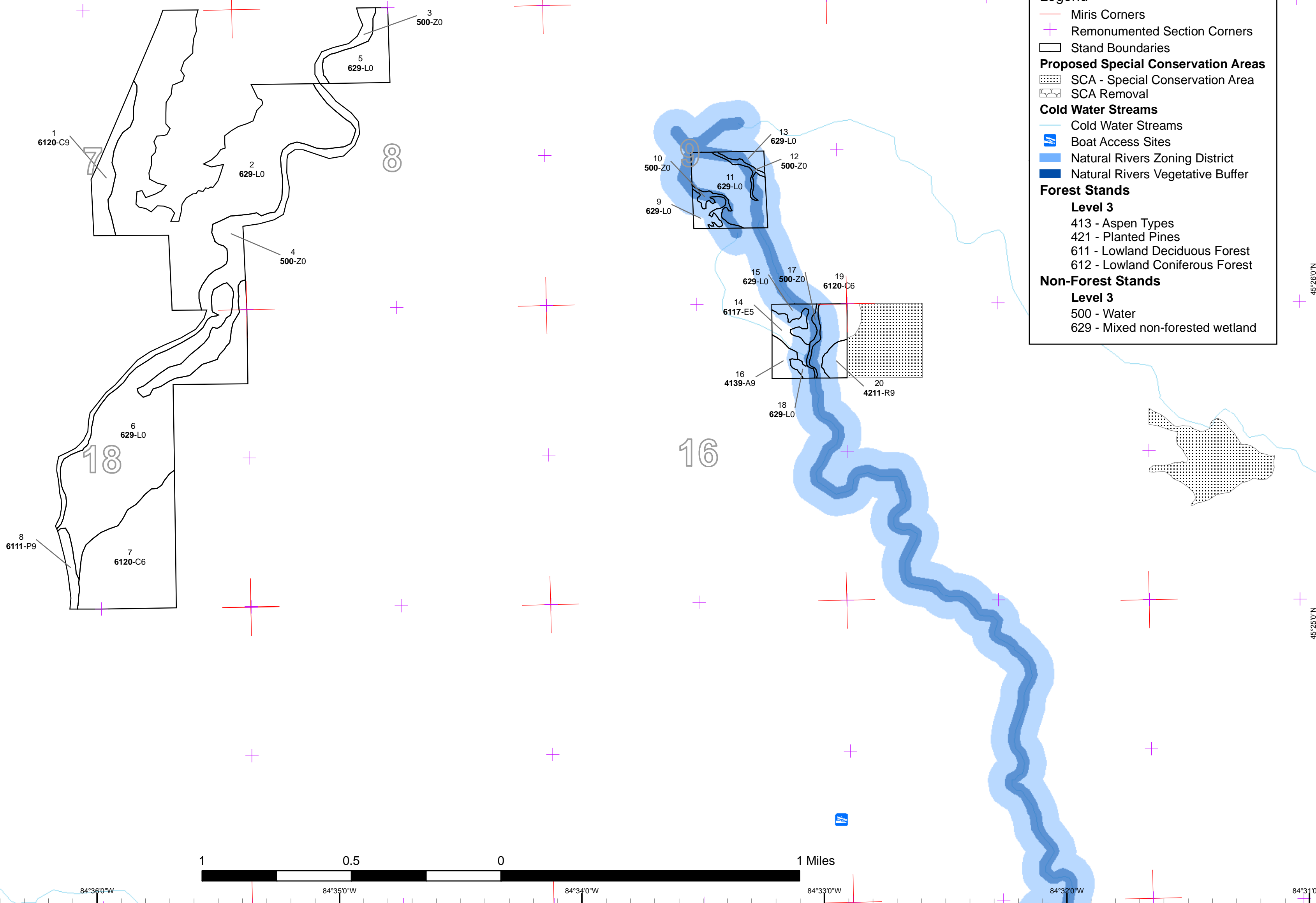


Table 1 – Total Acres by Cover Type and Age Class



	Age Class															Total
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +	Uneven Age	
Aspen	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6
Cedar	0	0	0	0	0	0	0	0	11	0	0	0	66	16	0	94
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5
Lowland Deciduous	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8
Lowland Shrub	358	0	0	0	0	0	0	0	0	0	0	0	0	0	0	358
Red Pine	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5
Water	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65
Total	424	0	0	0	0	0	8	5	22	0	0	0	66	16	0	542



Table 2 – Proposed Treatment Summaries

Gaylord Mgt. Unit
Year of Entry 2013

Compartment 167
Total Compartment Acres: 541.7

Acres by Treatment Type

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

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
	#Error	#Error	#Error	#Error	#Error	#Error	#Error
Total	#Error	#Error	#Error	#Error	#Error	#Error	#Error

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



S
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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Error

Prescription
Specs:

Other
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**

Table 4 -- Treatments Prescribed with a Limiting Factor



S
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n
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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Error

Prescription Specs:

Other Comment:

Next Steps:

Limiting Factor and No Treatment Reason

Total Treatment Acreage Proposed: 0

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2013



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription
Specs:

Other
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**

S
t
a
n
d

Gaylord Mgt. Unit

5 – Forested Stands

Compartment: 167
Year of Entry: 2013

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6120 - Lowland Cedar	High Density Log	16.5	148	200+	Nice looking cedar. Healthy
7	6120 - Lowland Cedar	High Density Pole	66.5	119	111-140	Showing signs of decline
8	6111 - Lowland Balsam Poplar	High Density Log	5.3	69	51-80	
14	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	7.6	51	51-80	
16	4139 - Aspen, Mixed Deciduous	High Density Log	6.0	73	81-110	Small mixed stand. Only access is through private.
19	6120 - Lowland Cedar	High Density Pole	10.8	70	81-110	Some mortality. Small diameters.
20	42110 - Planted Red Pine	High Density Log	5.5	77	81-110	Nice red pine. Thinned last entry with adjacent stand.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	629 - Mixed non-forested wetland	172.9	N/A	Unspecified	
3	50 - Water	6.6	N/A	Unspecified	
4	50 - Water	51.2	N/A	Unspecified	
5	629 - Mixed non-forested wetland	20.6	N/A	Unspecified	
6	629 - Mixed non-forested wetland	122.3	N/A	Unspecified	
9	629 - Mixed non-forested wetland	5.4	N/A	Unspecified	
10	50 - Water	3.6	N/A	Unspecified	
11	629 - Mixed non-forested wetland	25.8	N/A	Unspecified	
12	50 - Water	1.9	N/A	Unspecified	
13	629 - Mixed non-forested wetland	3.5	N/A	Unspecified	
15	629 - Mixed non-forested wetland	6.0	N/A	Unspecified	
17	50 - Water	2.0	N/A	Unspecified	
18	629 - Mixed non-forested wetland	1.9	N/A	Unspecified	



7 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

Stand	SCA Type	SCA Name	Acres	Comments
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8 – DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.