



ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION
COMPARTMENT 169 ENTRY YEAR: 2013

Compartment Acreage: 1485 County: Cheboygan

Revision Date: October 27, 2011

Stand Examiner: Barber

Legal Description: T37N, R1E, Sec. 8, 17 & 18

RMU (if applicable): Hammond Bay Lake Plain MA

Management Goals: Protection of SCA's and patience while waiting for stands in south of compartment to put on growth.

Soil and Topography: Rather flat with over 40 % lowland types. Uplands are PArVHa/PArVVb, for the most part.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Mostly other state land to the northwest and southeast, and private forest land to the northeast and southwest. A commercial cranberry operation is to the immediate east of the compartment. The City of Cheboygan is about 5 miles to the northwest.

Unique, Natural Features (include only non-site specific and non-sensitive information): One or more occurrences have been reported for this compartment.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None Reported.

Special Management Designations or Considerations: Duck Lake/Mud Lake ERA and Duck Lake/Mud Lake Natural Area.

Watershed and Fisheries Considerations: A commercial cranberry operation nearly adjoins the Duck Lake/Mud Lake Natural Area. There may be a potential for impacts, such as from water withdrawals.

Wildlife Habitat Considerations: *(This space for sale or lease. Call (989)785-4251 ext. 5230.)*

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Devonian Detroit River Group, used for dolomite/stone. The nearest gravel pit is located adjacent to the compartment to the north in Section 5 and there appears to be gravel potential. This area has had no drilling for oil and gas. Oil and gas producing Guelph (Niagaran) reefs are located 22 miles to the southeast. All of the State land is leased for oil and gas development.

Vehicle Access: Roads to be closed are shown on the compartment map as closed or abandoned.

Survey Needs: None.

Recreational Facilities and Opportunities: ORV trails, ORV routes, and a snowmobile trail all run through the compartment.

Fire Protection: Adequate.

Additional Compartment Information:

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**

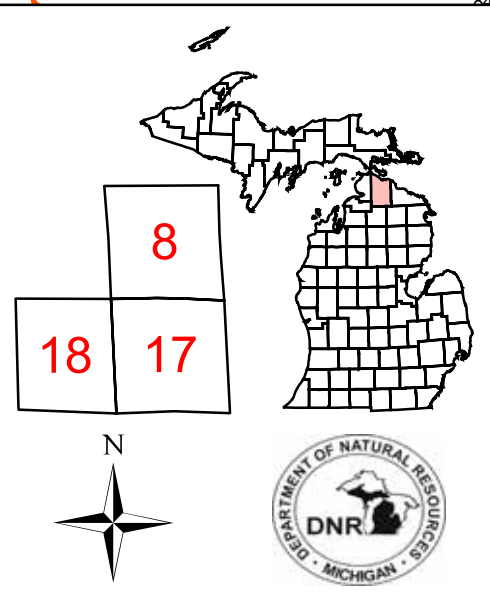
◆ **Proposed Treatments – With Limiting Factors**

➤ **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 old growth**

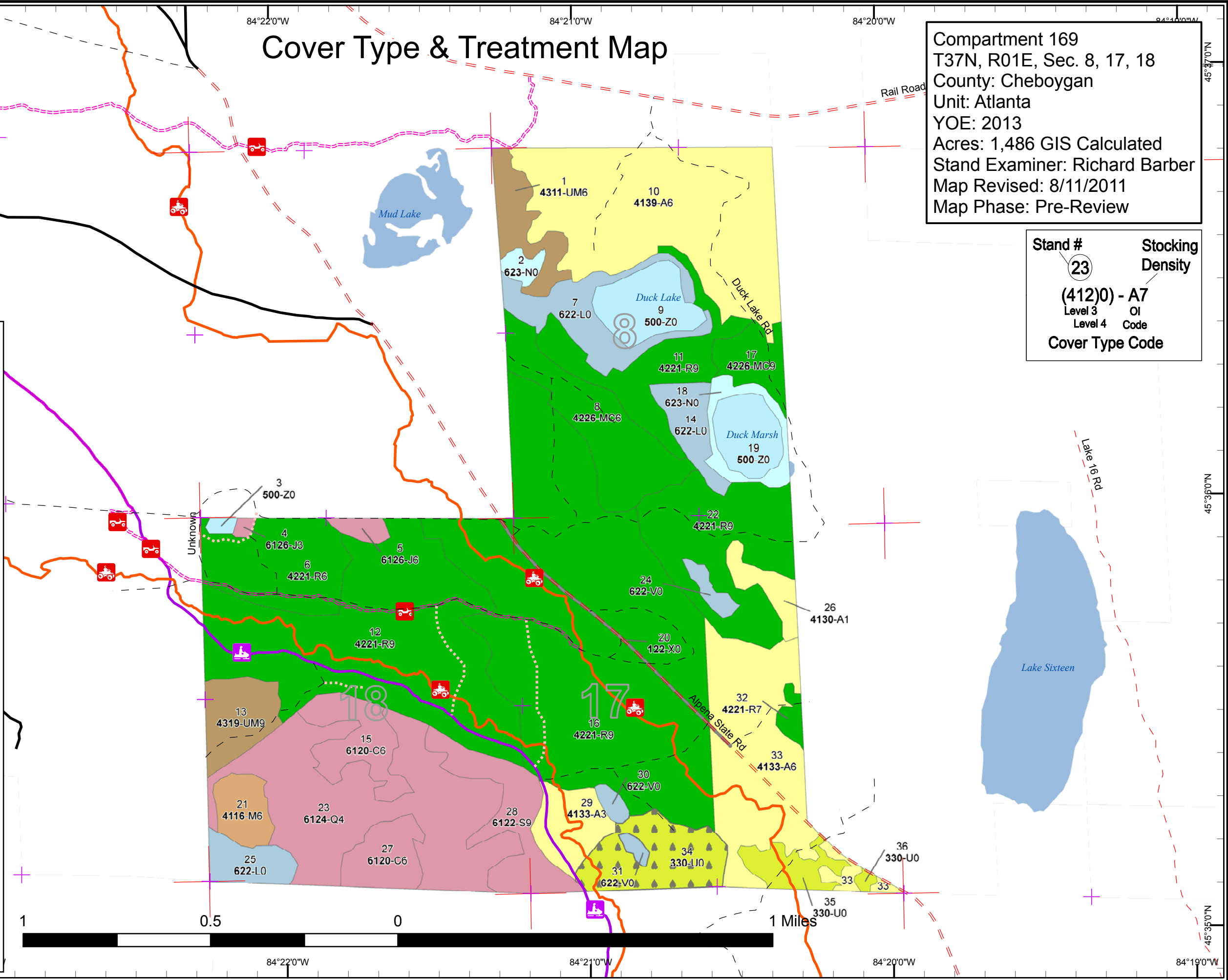
Cover Type & Treatment Map

Compartment 169
 T37N, R01E, Sec. 8, 17, 18
 County: Cheboygan
 Unit: Atlanta
 YOE: 2013
 Acres: 1,486 GIS Calculated
 Stand Examiner: Richard Barber
 Map Revised: 8/11/2011
 Map Phase: Pre-Review



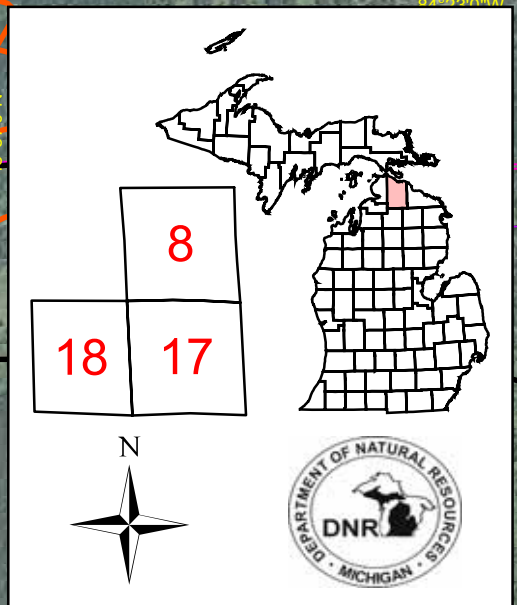
Stand #
 23
Stocking Density
 (412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

- Legend**
- Miris Corners
 - Paved Roads
 - County Gravel Roads
 - Gravel Roads
 - Poor Dirt Roads
 - - - Closed Roads
 - - - Intermittent Stream/Drain
 - Stream
 - Lakes and Rivers
 - ORV Routes
 - ORV Trails
 - Snowmobile Trails
 - - - ORV Route
 - ORV Trail
 - Snowmobile Trail
 - State Forest Land
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
 - 413 - Aspen Types
 - 422 - Natural Pines
 - 431 - Upland Mixed Forest
 - 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3
- 122 - Road/Parking Lot
 - 330 - Low-Density Trees
 - 500 - Water
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland
- Planned Regeneration**
- Natural
 - Planted



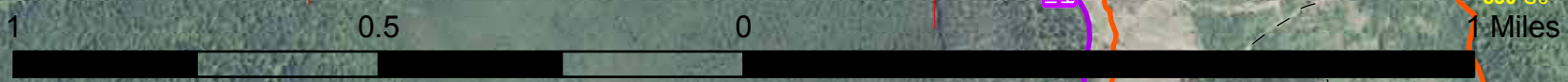
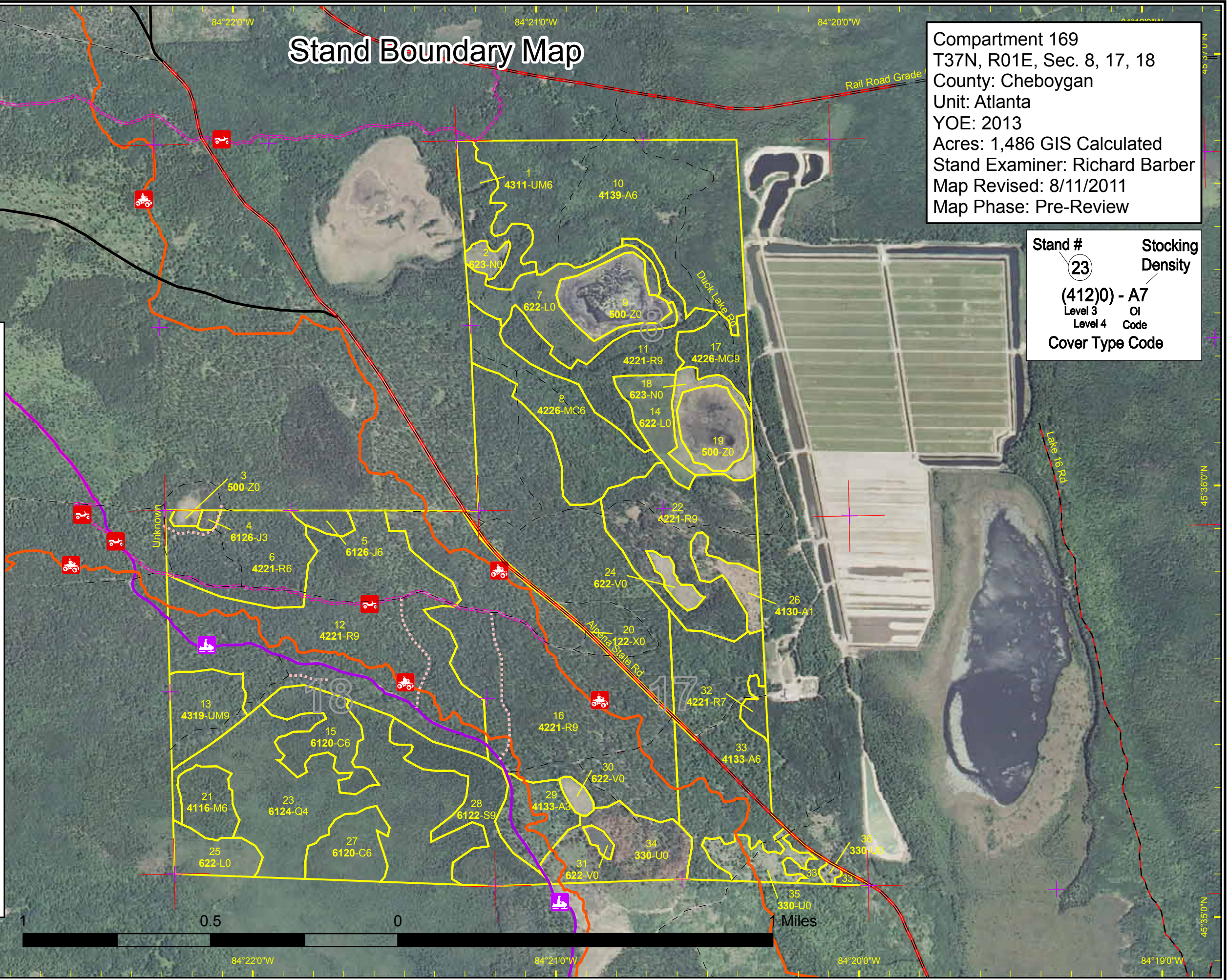
Stand Boundary Map

Compartment 169
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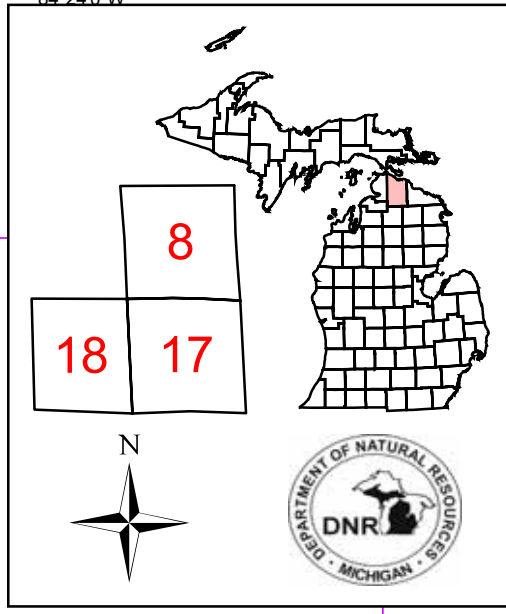
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Dedicated & Proposed Special Conservation Area Map

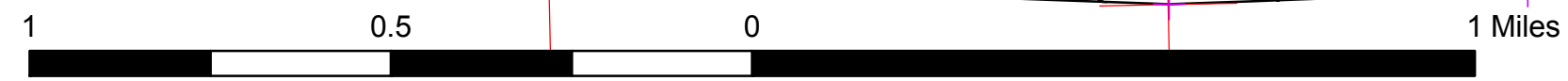
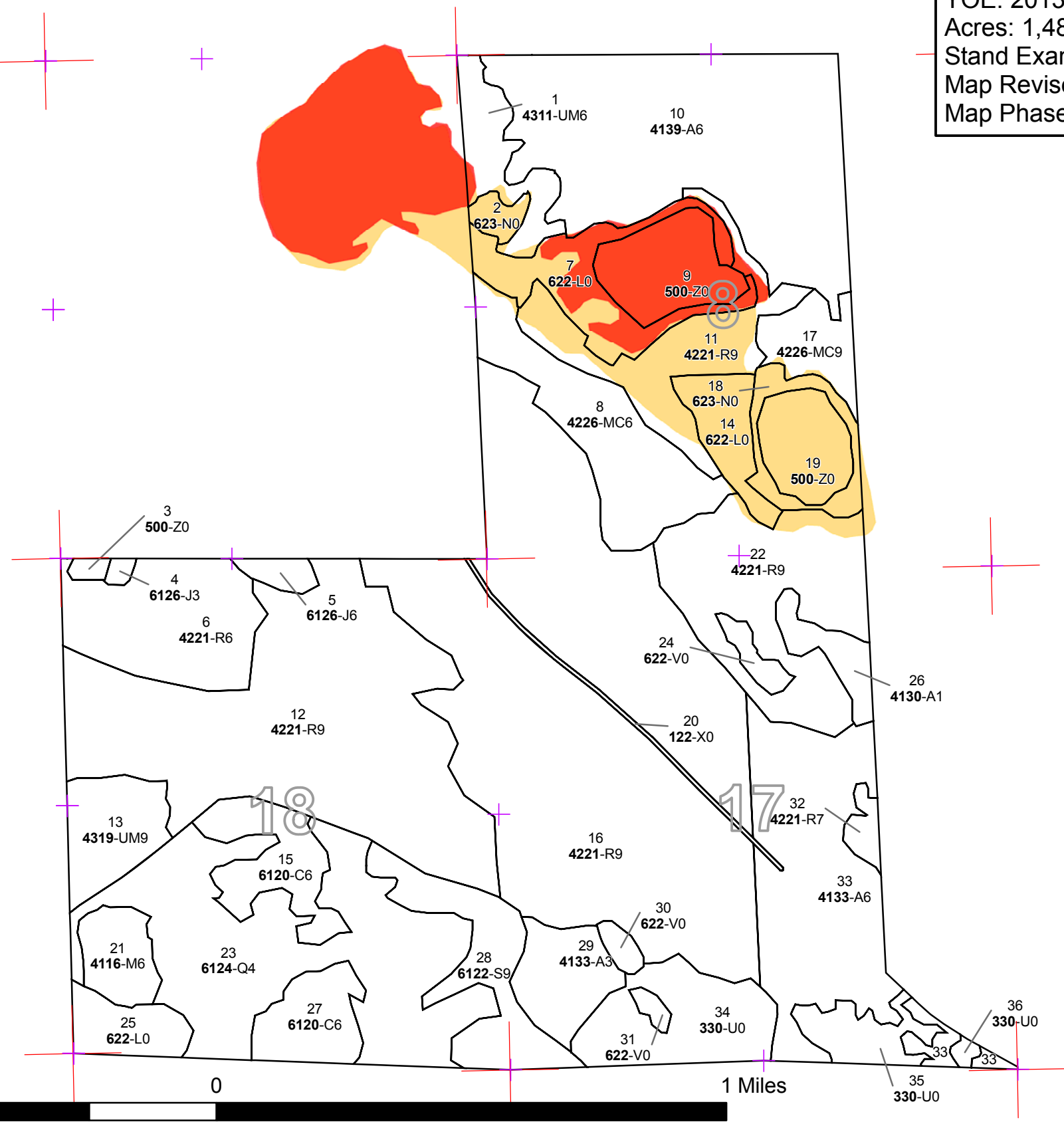
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Legend

- Miris Corners
- + Remonumented Section Corners
- Ecological Reference Areas
- Special Conservation Areas
- Non Dedicated Natural Areas and National Natural Landmarks
- Stand Boundaries
- Forest Stands
 - Level 3
 - 411 - Northern Hardwood
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Stand #
 23
(412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code



84°24'0"W 84°23'0"W 84°22'0"W 84°21'0"W 84°20'0"W
 45°36'0"N 45°37'0"N 45°38'0"N

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 +		Unre/en Age
Aspen	0	12	23	0	241	0	0	0	0	0	0	0	0	0	0	276
Bog	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Cedar	0	0	0	0	0	0	0	0	48	0	0	0	0	0	0	48
Jack Pine	0	0	2	0	0	0	5	0	0	0	0	0	0	0	0	7
Low-Density Trees	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
Lowland Conifers	0	0	0	0	0	0	0	123	0	0	0	0	0	0	0	123
Lowland Shrub	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	37
Marsh	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Natural Mixed Pines	0	0	0	0	0	0	0	70	0	0	0	0	0	0	0	70
Northern Hardwood	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	16
Red Pine	0	0	0	0	0	5	231	422	0	0	0	0	0	0	0	658
Upland Mixed Forest	0	0	0	0	0	0	25	22	0	0	0	0	0	0	0	47
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
Total	205	12	24	0	241	5	261	653	85	0	0	0	0	0	0	1486



Table 2 – Proposed Treatment Summaries

Atlanta Mgt. Unit
Year of Entry 2013

Compartment 169
Total Compartment Acres: 1486

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

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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**

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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**

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 169
Year of Entry: 2013

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4311 - Pine, Aspen Mix	High Density Pole	22.4	60	51-80	
6126 - Lowland Jack Pine	High Density Sapling	1.6	15		Stand swapped from Non-Forested to Forested. Natural JP on a wet site.
6126 - Lowland Jack Pine	High Density Pole	5.1	55	1-50	sphagnum
42210 - Natural Red Pine	High Density Pole	51.8	55	51-80	lcr=0.6
42260 - Natural Pine, Mixed Deciduous	High Density Pole	52.4	60	51-80	rp in northwest
4139 - Aspen, Mixed Deciduous	High Density Pole	147.1	37	1-50	
42211 - Natural Red Pine, Mixed Deciduous	High Density Log	43.6	60	81-110	Within undedicated natural area attached to Duck Lake Marsh ERA.
42210 - Natural Red Pine	High Density Log	179.3	55	51-80	lcr=0.3-0.5
4319 - Mixed Upland Forest	High Density Log	24.7	55	51-80	
6120 - Lowland Cedar	High Density Pole	27.1	70		
42210 - Natural Red Pine	High Density Log	305.0	60	81-110	lcr .33
42260 - Natural Pine, Mixed Deciduous	High Density Log	17.5	60	51-80	
4116 - Mixed N. Hardwood - Aspen	High Density Pole	15.9	60		
42210 - Natural Red Pine	High Density Log	73.3	60	81-110	Recent removal of none red pine. Many half crown rp.
6124 - Lowland Spruce- Fir	Low Density Pole	122.5	60		
4130 - Aspen	Low Density Sapling	11.7	2		3-5' aspen regen from recent harvest.
6120 - Lowland Cedar	High Density Pole	21.0	70		Island with no dry ground access.
6122 - Black Spruce	High Density Log	37.0	71		

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 169
Year of Entry: 2013



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
29	4133 - Aspen, Mixed Pine	High Density Sapling	22.7	17	1-50	
32	42210 - Natural Red Pine	Low Density Log	5.0	48	1-50	
33	4133 - Aspen, Mixed Pine	High Density Pole	94.3	37	1-50	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	623 - Emergent Wetland	5.0	N/A	Unspecified	
3	50 - Water	2.0	N/A	Unspecified	
7	622 - Lowland Shrub	33.9	N/A	Unspecified	
9	50 - Water	27.4	N/A	Unspecified	
14	622 - Lowland Shrub	17.4	N/A	Unspecified	
18	623 - Emergent Wetland	12.6	N/A	Unspecified	
19	50 - Water	21.1	N/A	Unspecified	
20	122 - Road/Parking Lot	4.2	N/A	Unspecified	
24	6225 - Bog	5.3	N/A	Unspecified	
25	622 - Lowland Shrub	15.5	N/A	Unspecified	Stand swapped from Forested to Non-Forested.
30	6225 - Bog	3.6	N/A	Unspecified	
31	6225 - Bog	2.3	N/A	Unspecified	
34	3302 - Low Density Conifer Trees	38.0	Natural Regen	Red Pine	just harvested. red pine seed tree.
35	330 - Low-Density Trees	14.9	N/A	Unspecified	
36	330 - Low-Density Trees	1.5	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



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
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.
SCA	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.