



**ATLANTA FOREST MANAGEMENT UNIT**  
**COMPARTMENT REVIEW PRESENTATION**  
**COMPARTMENT 173 ENTRY YEAR: 2012**

**Compartment Acreage: 1361      County: Cheboygan**

---

**Revision Date:** October 26, 2010

**Stand Examiner:** Barber

**Legal Description:** T37N, R1E, Sec. 22, 27 & 34

**RMU (if applicable):** Hammond Bay Lake Plain

**Management Goals:** Hardwood and aspen management.

**Soil and Topography:** This compartment is a mix of one part AFO/PArVVb, and two parts wetland.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** North and west are mostly other state land. East lies the old Abitibi property. South are the Twin Lakes sub-divisions.

**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:** Black Lake Forest Marsh is an ERA.

**Watershed and Fisheries Considerations:** No special considerations exist for this compartment.

**Wildlife Habitat Considerations:** Compartment 173 is part of a larger lowland swamp and lowland shrub. It is known for black bear and bobcat along with several unique bird species including American bittern, green heron, and black-billed cuckoo. The compartment is also rich in amphibians and reptiles, furbearers, and small mammals.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of Lacustrine (lake) sand and gravel. The glacial drift thickness varies between 100 and 400 feet. Beneath the glacial drift is the Devonian Detroit River Formation, used for dolomite/stone. The nearest gravel pit is located adjacent to the east in Section 35, but there is limited gravel potential. This area has had no drilling for oil and gas. Oil and gas producing Silurian Niagaran Reefs are located 18 miles to the southeast. None of the State land is leased for oil and gas development.

**Vehicle Access:** Access is as developed as can be for the amount of wetland in the compartment.

**Survey Needs:** None.

**Recreational Facilities and Opportunities:** The compartment has both an ORV trail and a snowmobile trail.

**Fire Protection:** Adequate.

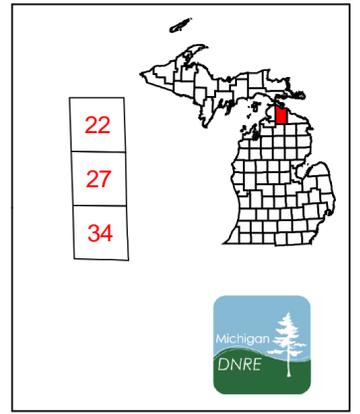
**Additional Compartment Information:**

- **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 173  
 T37N, R01E, Sec. 22, 27 & 34  
 County: Cheboygan  
 Unit: Atlanta  
 YOE: 2012  
 Acres: 1,361 GIS Calculated  
 Stand Examiner: Richard Barber  
 Map Revised: 8/17/2010  
 Map Phase: Pre-Review



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

**Legend**

- Miris Corners
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Closed Roads
- Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- ORV Trails
- ORV Routes
- Snowmobile Trails

**Forest Stands**

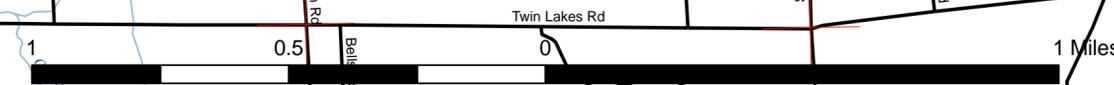
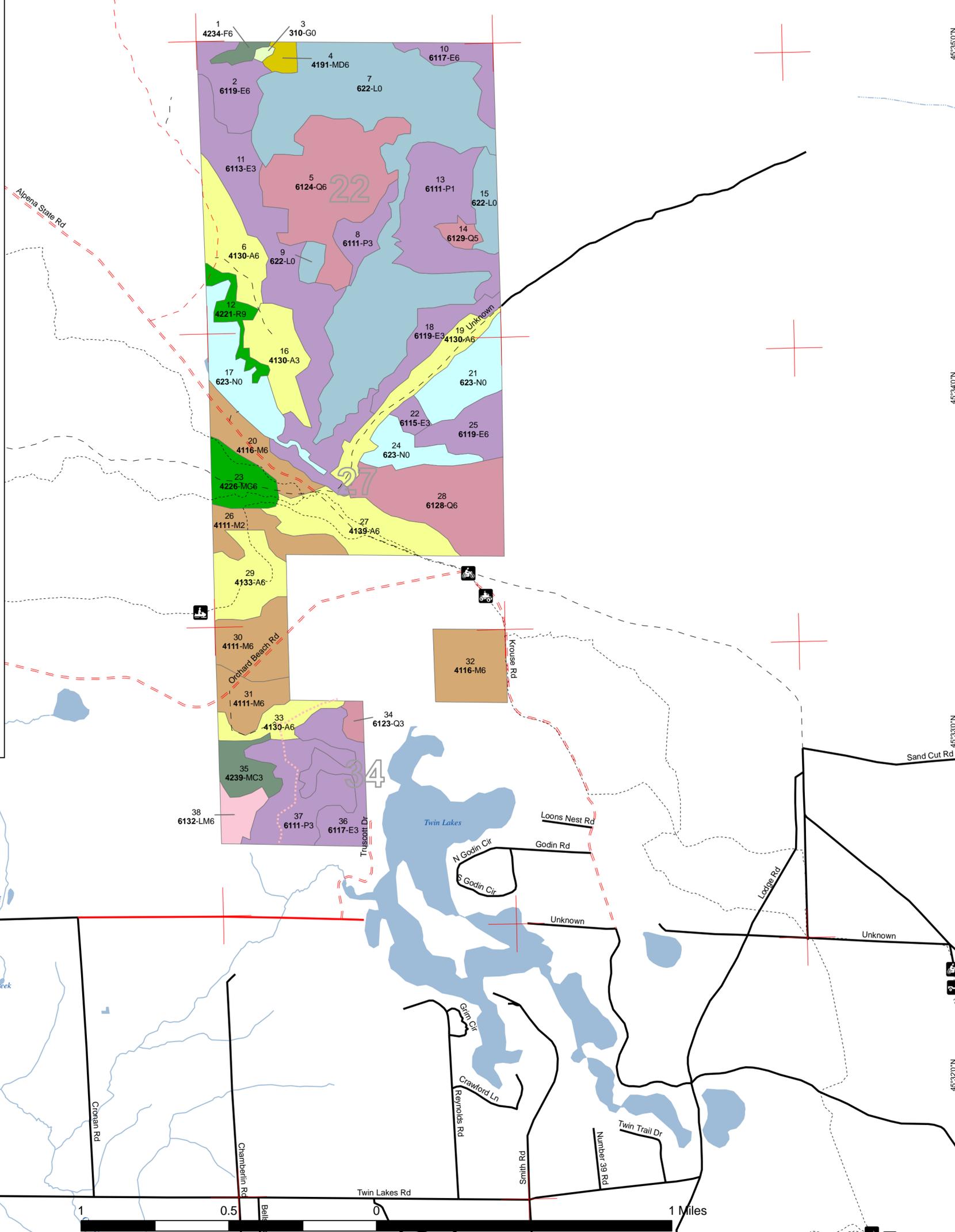
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

**Non-Forest Stands**

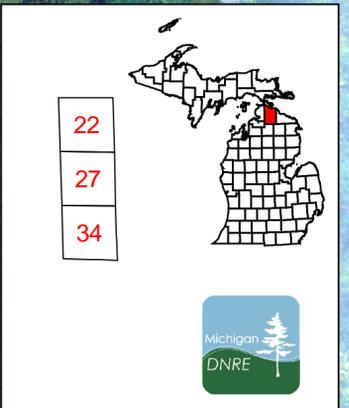
Level 3

- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland



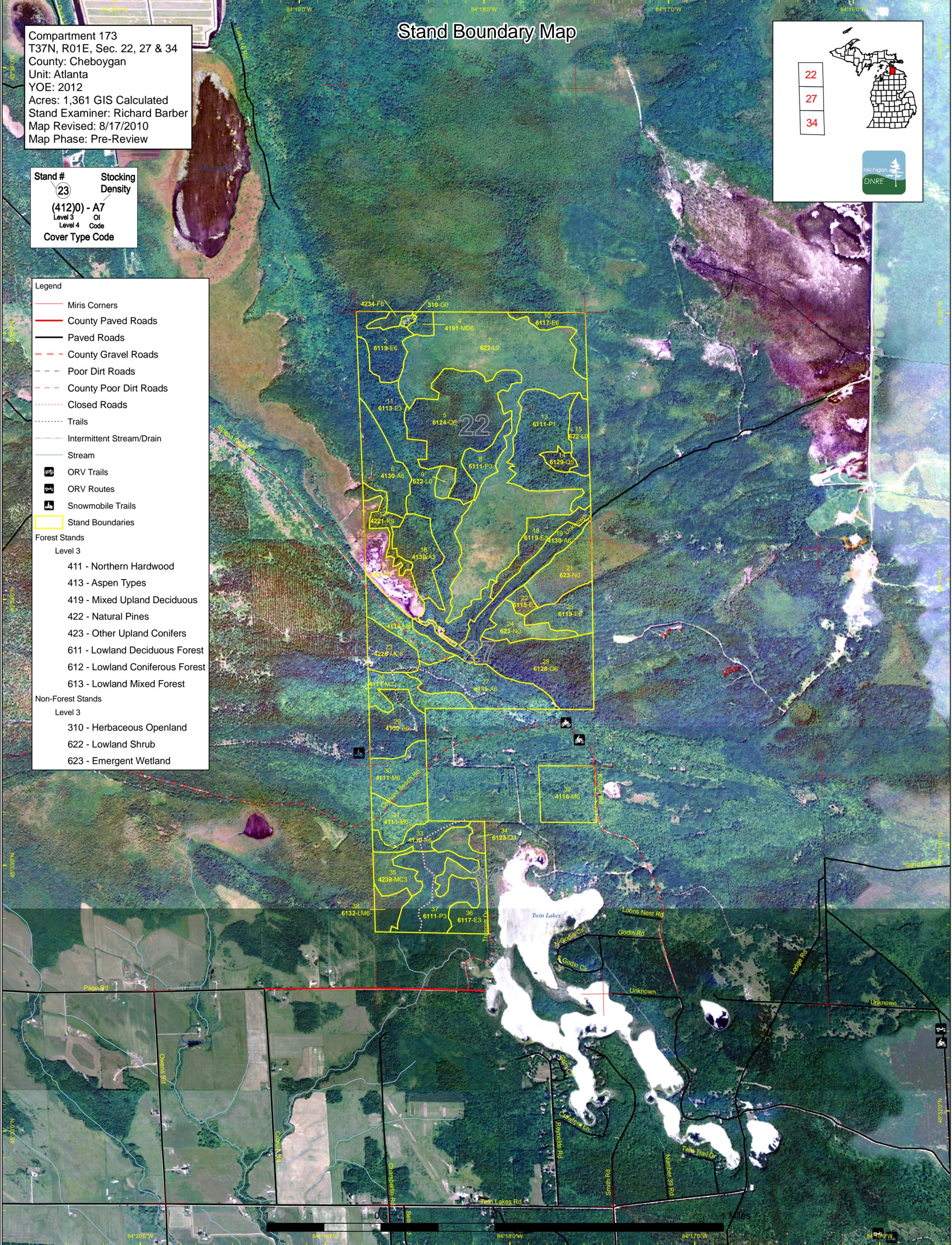
# Stand Boundary Map

Compartment 173  
 T37N, R01E, Sec. 22, 27 & 34  
 County: Cheboygan  
 Unit: Atlanta  
 YOE: 2012  
 Acres: 1,361 GIS Calculated  
 Stand Examiner: Richard Barber  
 Map Revised: 8/17/2010  
 Map Phase: Pre-Review



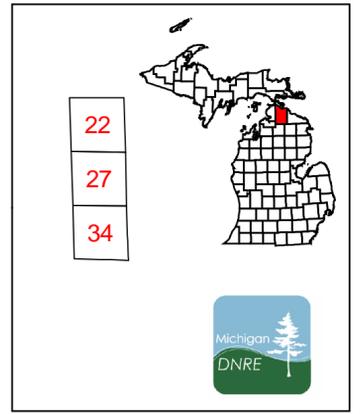
**Stand #**  
 23  
**Stocking Density**  
 (4120) - A7  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**

- Legend**
- Miris Corners
  - County Paved Roads
  - Paved Roads
  - - - County Gravel Roads
  - - - Poor Dirt Roads
  - - - County Poor Dirt Roads
  - - - Closed Roads
  - - - Trails
  - - - Intermittent Stream/Drain
  - Stream
  - ORV Trails
  - ORV Routes
  - Snowmobile Trails
  - Stand Boundaries
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 422 - Natural Pines
  - 423 - Other Upland Conifers
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3
- 310 - Herbaceous Openland
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland



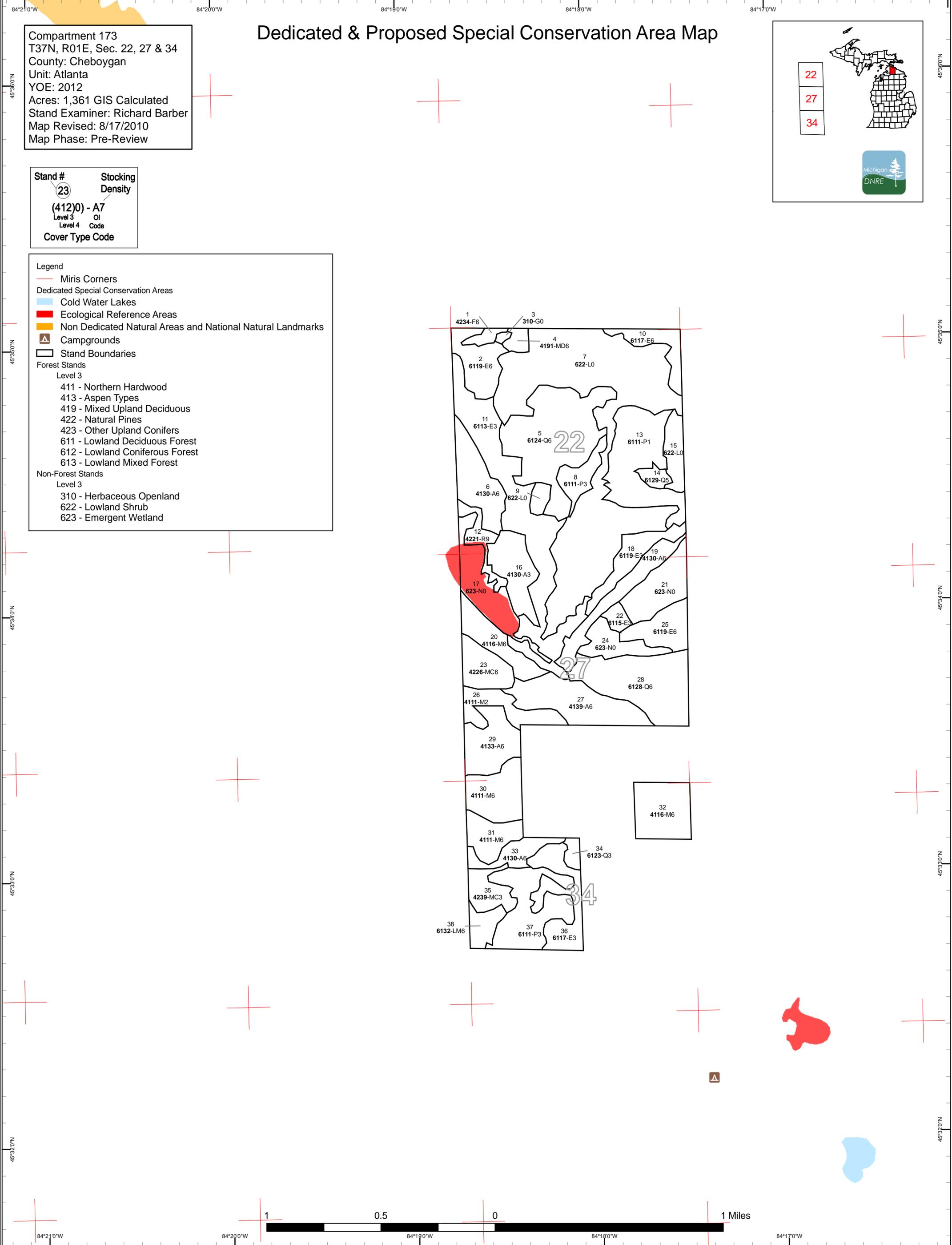
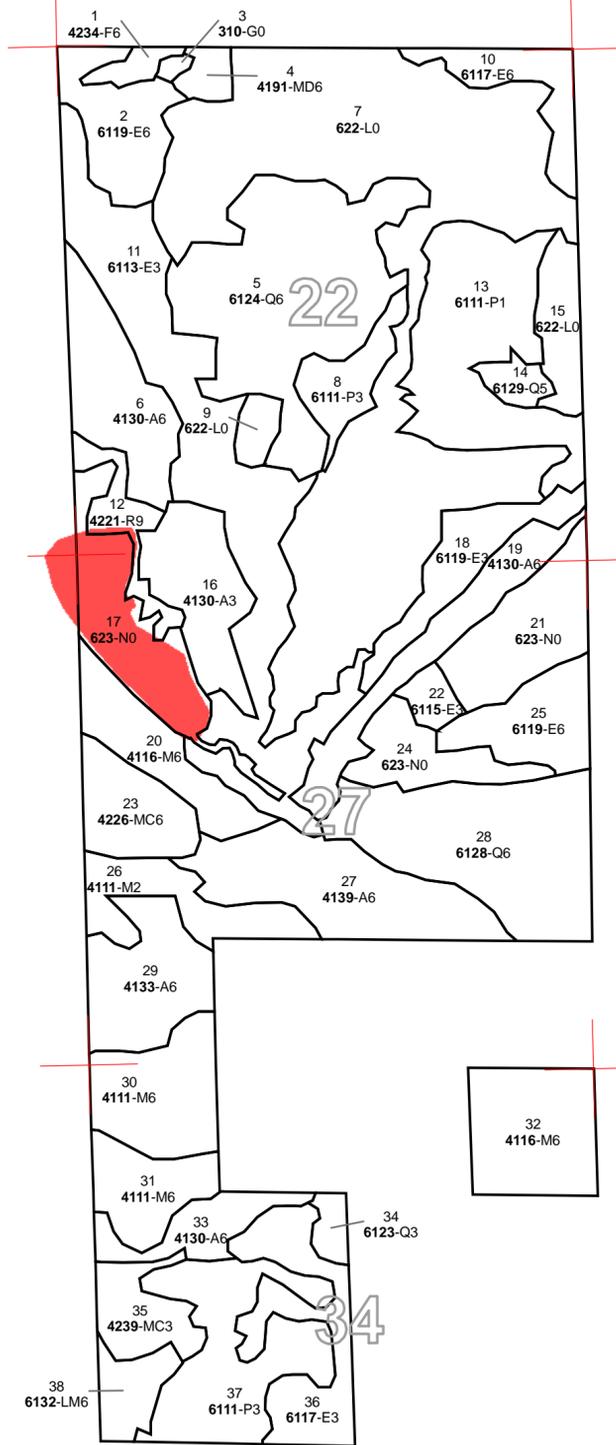
# Dedicated & Proposed Special Conservation Area Map

Compartment 173  
 T37N, R01E, Sec. 22, 27 & 34  
 County: Cheboygan  
 Unit: Atlanta  
 YOE: 2012  
 Acres: 1,361 GIS Calculated  
 Stand Examiner: Richard Barber  
 Map Revised: 8/17/2010  
 Map Phase: Pre-Review



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

- Legend**
- Miris Corners
  - Dedicated Special Conservation Areas
    - Cold Water Lakes
    - Ecological Reference Areas
    - Non Dedicated Natural Areas and National Natural Landmarks
  - ▲ Campgrounds
  - Stand Boundaries
  - Forest Stands
    - Level 3
      - 411 - Northern Hardwood
      - 413 - Aspen Types
      - 419 - Mixed Upland Deciduous
      - 422 - Natural Pines
      - 423 - Other Upland Conifers
      - 611 - Lowland Deciduous Forest
      - 612 - Lowland Coniferous Forest
      - 613 - Lowland Mixed Forest
    - Non-Forest Stands
      - Level 3
        - 310 - Herbaceous Openland
        - 622 - Lowland Shrub
        - 623 - Emergent Wetland



**Table 1 – Total Acres by Cover Type and Age Class**

Data updated before 2:00 PM



	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	33	0	0	85	35	52	0	0	0	0	0	0	0	0	205
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Aspen/Balsam Poplar	0	0	0	0	52	0	0	0	16	66	0	0	0	0	0	135
Lowland Conifers	0	0	0	0	5	0	72	0	96	6	0	0	0	0	0	180
Lowland Deciduous	0	0	0	0	61	6	0	0	160	26	0	0	0	0	0	253
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	13
Lowland Shrub	265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	265
Marsh	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6
Natural Mixed Pines	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	24
Northern Hardwood	0	0	0	0	0	48	66	0	0	0	0	0	0	0	34	147
Red Pine	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	14
Upland Conifers	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	18
Upland Spruce/Fir	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5
<b>Total</b>	<b>360</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>222</b>	<b>90</b>	<b>228</b>	<b>5</b>	<b>279</b>	<b>111</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>1361</b>



# Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Atlanta Mgt. Unit  
Year of Entry 2012

Compartment 173  
Total Compartment Acres: 1361

### 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
<b>Total</b>	#Error	#Error	#Error	#Error	#Error	#Error	#Error



S  
t  
a  
n  
d

---

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
----------------	-------	------------------	--------------	-----------	----------------	------------------	----------------------	-----------------

---

#Error

Prescription  
Specs:

Other  
Comments:

Next  
Steps:

---

**Total Treatment  
Acreage Proposed: 0**



S  
t  
a  
n  
d

---

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
----------------	-------	------------------	--------------	-----------	----------------	------------------	----------------------	-----------------

---

#Error

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Limiting Factor and No  
Treatment Reason

---

**Total Treatment  
Acreage Proposed: 0**



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
022_St28C.Cu t	25.0				Harvest	Clearcut with Reserves	Oak, Aspen	Cmpt. Review Proposal
<p><u>Prescription</u> Cut with stand 14 in Compartment 24. Clear cut: In areas of heavy oak leave up to 10-20BA of oak and pine. In areas predominantly aspen only leave scattered oak.</p> <p><u>Specs:</u></p> <p><u>Other</u> Acceptable regen is any mix of aspen, oak and pine. Some white pine is present. Leave both a mix red and white oak. No retention is needed because leaving steep slope along northern edge of stand.</p> <p><u>Comments:</u></p> <p><u>Next</u> Regen survey 3-5 yrs after harvest.</p> <p><u>Steps:</u></p>								
54030_OutOfY OE-STR	1.2				Harvest	Seed Tree with Reserves	Natural Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription</u> MMark red pine residual to average tree height spacing. Leave 10 BA white pine and all oak, if present. Paint in 2 chain wide buffer along High Country Pathway, using pathway as centerline. Allow whole tree skidding; require chipping of tops, with movement of tops to approved landings to be done concurrently with harvesting. Post sale: scarify sale area to regenerate red pine, but may exclude areas of heavy white pine regeneration.</p> <p><u>Specs:</u></p> <p><u>Other</u></p> <p><u>Comments:</u></p> <p><u>Next</u> Continued scarification until full stocking of red pine is achieved.</p> <p><u>Steps:</u></p>								
54004_St8- Burn	12.1				Prescribed Burn	Unspecified	Red Oak	Cmpt. Review Proposal
<p><u>Prescription</u> Burn with adjacent stand in Compartment 24. Understory burn to remove red maple regeneration</p> <p><u>Specs:</u></p> <p><u>Other</u></p> <p><u>Comments:</u></p> <p><u>Next</u> follow up with timber harvest next entry.</p> <p><u>Steps:</u></p>								
<b>Total Treatment Acreage Proposed:</b>		<b>38.2</b>						

S  
t  
a  
n  
d

## Atlanta Mgt. Unit

## 5 – Forested Stands

Compartment: 173

Data updated before 2:00 PM

Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42340 - Upland Spruce/Fir	High Density Pole	5.1	64		wet
2	6119 - Mixed Lowland Deciduous Forest	High Density Pole	28.6	74		
4	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	6.2	74	51-80	
5	6124 - Lowland Spruce-Fir	High Density Pole	96.1	74		
6	4130 - Aspen	High Density Pole	36.8	34	1-50	New stand added.
8	6111 - Lowland Balsam Poplar	High Density Sapling	16.5	74	1-50	
10	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	18.9	74		
11	6113 - Lowland Maple	High Density Sapling	112.2	74		
12	42211 - Natural Red Pine, Mixed Deciduous	High Density Log	13.8	55	141-170	lcr=0.5 White pine in south end.
13	6111 - Lowland Balsam Poplar	Low Density Sapling	66.2	84		muck
14	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	6.4	84		
16	4130 - Aspen	High Density Sapling	32.7	3		New stand added.
18	6119 - Mixed Lowland Deciduous Forest	High Density Sapling	24.3	37		
19	4130 - Aspen	High Density Pole	30.6	37	1-50	
20	4116 - Mixed N. Hardwood - Aspen	High Density Pole	27.3	50	51-80	
22	6115 - Lowland Ash	High Density Sapling	6.4	40		Stand swapped from Non-Forested to Forested.
23	42260 - Natural Pine, Mixed Deciduous	High Density Pole	23.9	55		lcr=0.9-0.6
25	6119 - Mixed Lowland Deciduous Forest	High Density Pole	25.6	82		

S  
t  
a  
n  
d

## Atlanta Mgt. Unit

## 5 – Forested Stands

Compartment: 173

Data updated before 2:00 PM

Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	4111 - S.Maple, Hard Mast Association	Medium Density	25.8	41	51-80	
27	4139 - Aspen, Mixed Deciduous	High Density Pole	52.5	50	51-80	PARVb/PArVHA/AFO
28	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	71.8	50		Becomes quite wet as one moves north in the stand.
29	4133 - Aspen, Mixed Pine	High Density Pole	35.3	41	51-80	
30	4111 - S.Maple, Hard Mast Association	High Density Pole	33.8	Uneven Age	81-110	
31	4111 - S.Maple, Hard Mast Association	High Density Pole	22.2	41	51-80	
32	4116 - Mixed N. Hardwood - Aspen	High Density Pole	38.3	50	51-80	sappling/pole stand with aspen in north end
33	4130 - Aspen	High Density Pole	17.2	35	51-80	aspen dbh runs 3-12 inches, mostly 5-8 inches.
34	6123 - Lowland Fir	High Density Sapling	5.4	35		
35	42390 - Mixed Non- Pine Upland Conifers	High Density Sapling	18.4	35		
36	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	37.2	35	1-50	
37	6111 - Lowland Balsam Poplar	High Density Sapling	52.2	35	1-50	New stand added.
38	6132 - Mixed Lowland Forest with Cedar	High Density Pole	13.0	82		



Stand	Cover Type	Acres	Gen Cmts:
3	3102 - Grass	1.6	
7	622 - Lowland Shrub	242.0	
9	622 - Lowland Shrub	6.3	
15	622 - Lowland Shrub	16.4	
17	623 - Emergent Wetland	38.6	
21	623 - Emergent Wetland	33.9	
24	623 - Emergent Wetland	21.1	



**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.

*Data updated before 2:00 PM*

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.

*Data updated before 2:00 PM*

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.