



**ATLANTA FOREST MANAGEMENT UNIT**  
**COMPARTMENT REVIEW PRESENTATION**  
**COMPARTMENT 107 ENTRY YEAR: 2013**  
**Compartment Acreage: 1136      County: Alpena**

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**Revision Date:** May 31, 2011

**Stand Examiner:** Darrick Coy

**Legal Description:** T31N R9E Sections 9, 10, 15, 16, 22, and 27

**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:** Soils are mostly poorly drained to excessively drained in shallow to bedrock areas. The major soils are granby sand and rifle peat. Topography is flat. Forest habitat types are mostly unclassified.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Ownership ranges from small lots and blocks along the Lake Huron shoreline to large surrounding parcels of private mostly owned by the La Farge Corporation. Prospect Park, located within sections 22 and 27, was platted in the early 1900's for development, however, none occurred and ~98% of the remaining lots have reverted back to state ownership. Acquisition requests were made to acquire the last 10 remaining privately owned lots as of 2001. Up to this point, forest management is impossible due to the remaining lots not being acquired. Once these last lots become state owned, platted roadways and lots may be consolidated through court proceedings. Land use within the compartment is varied from hunting residences to corporate lands. Several accessible two-tracks and miscellaneous trails have been closed due illegal trash dumping.

**Unique, Natural Features:** Many, see MNFI records.

**Archeological, Historical, and Cultural Features:** None known or reported.

**Special Management Designations or Considerations:** Portions of state forestland located within sections 9, 10, 15, 22, and 27 have maintained designations as Special Conservation Areas (SCAs) for old growth. SCA old growth stands are being preserved within these sections to encourage and sustain an undisturbed rich conifer swamp forest environment. All previously designated SCA old growth stands that were non-forest or recently clearcut have been undesignated. Some forested stands had SCA old growth designations removed due to extremely poor site quality, soils, or drainage, which have limited or will limit these stands

from ever reaching or creating quality old growth forest characteristics. Some forested stands had SCA old growth designations removed due to possibilities for current or future harvesting. Management activities within all SCA stands are restricted and must follow Work Instruction 1.4 guidelines. Also, all management activities must follow Best Management Practice (BMP) guidelines when conducted within the areas that are significantly wet and adjacent to Lake Huron.

**Watershed and Fisheries Considerations:** No special considerations exist.

**Wildlife Habitat Considerations:** This compartment is very unique with limestone/dolomite and very poorly drained peat/muck soils. Currently this compartment provides excellent wildlife habitat for a variety of species associated with coastal zone habitats. Several plant species of special concern have been found here and there is potential for piping plover. The compartment has a long history of disturbance that has greatly altered the landscape from pre-settlement, though natural re-vegetation has been successful.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of lacustrine (lake) sand and gravel. The glacial drift thickness varies between 0 and 10 feet. Beneath the glacial drift is the Devonian Traverse Group. The Traverse is quarried for limestone/cement products two miles to the west. A gravel pit is located in Section 10, but potential appears to be limited. This area has had no drilling for oil and gas. The Antrim Shale is not found in this area. There are no oil and gas leases, but there may be potential for the Collingwood Formation.

**Vehicle Access:** Access to the compartment is fair to poor due to wetness and ownership restraints. Quite a few of access two-tracks are prone to severe rutting outside of winter and late summer.

**Survey Needs:** Several areas need surveying but are of low priority.

**Recreational Facilities and Opportunities:** No recreational facilities exist within the compartment, however; a variety of deer hunting, bird hunting, camping, and hiking are very popular and do occur.

**Fire Protection:** Alpena DNR office and the Alpena Township Fire Department.

**Additional Compartment Information:**

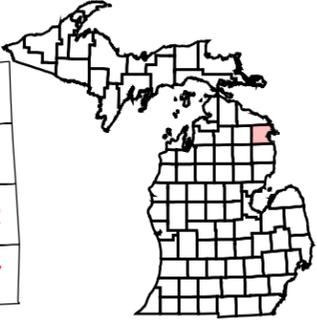
- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
  - ◆ **Cover Type by Age Class**
  - ◆ **Cover Type by Management Objective**
  - ◆ **Compartment Volume Summary**
  - ◆ **Proposed Treatments – No Limiting Factors**
  - ◆ **Proposed Treatments – With Limiting Factors**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

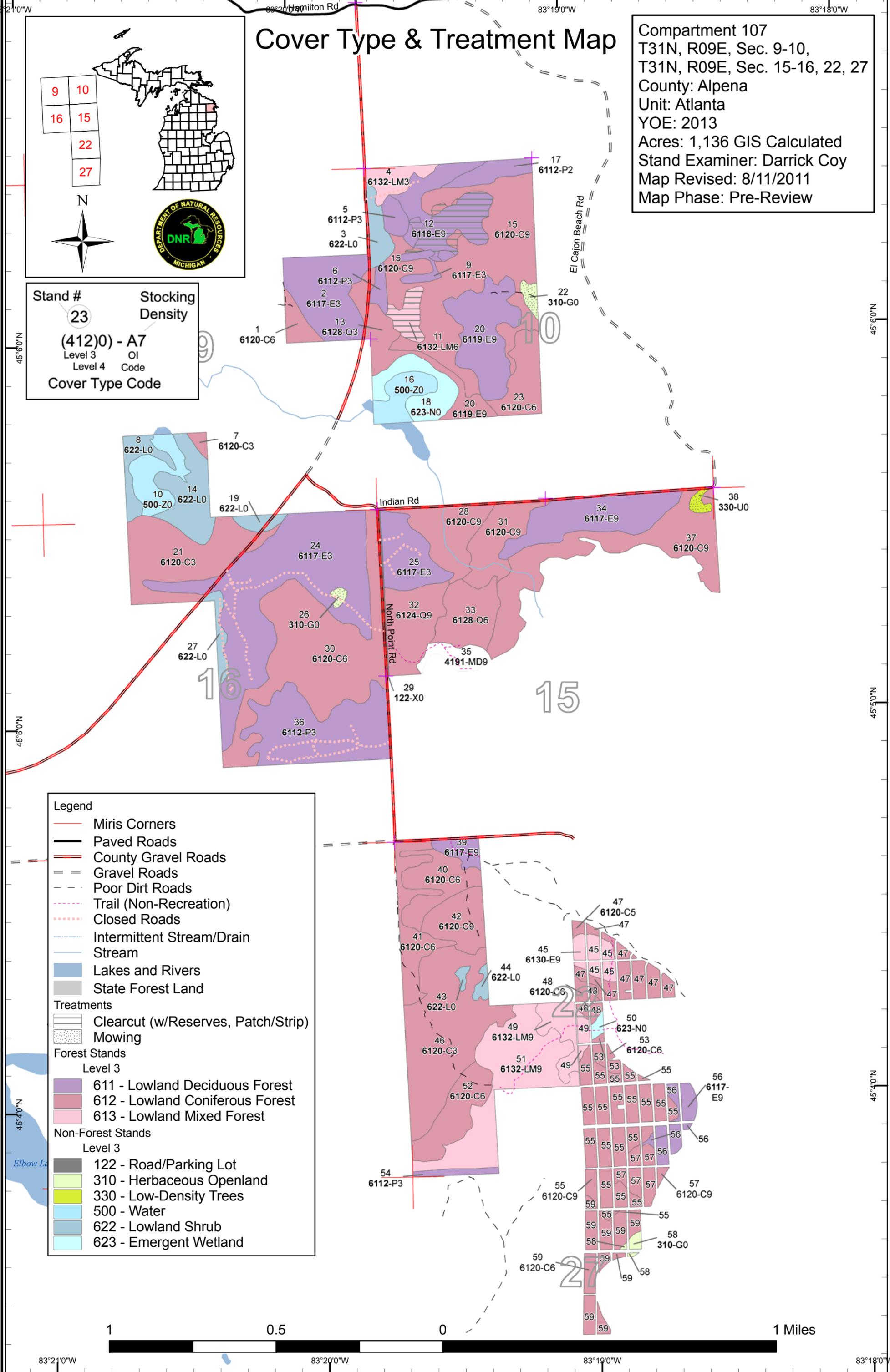
# Cover Type & Treatment Map

Compartment 107  
 T31N, R09E, Sec. 9-10,  
 T31N, R09E, Sec. 15-16, 22, 27  
 County: Alpena  
 Unit: Atlanta  
 YOY: 2013  
 Acres: 1,136 GIS Calculated  
 Stand Examiner: Darrick Coy  
 Map Revised: 8/11/2011  
 Map Phase: Pre-Review

9	10
16	15
	22
	27



Stand #  
 23  
 (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
- Trail (Non-Recreation)
- Closed Roads
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- State Forest Land

**Treatments**

- Clearcut (w/Reserves, Patch/Strip)
- Mowing

**Forest Stands**

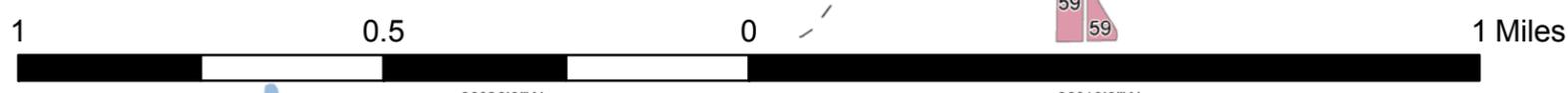
Level 3

- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

**Non-Forest Stands**

Level 3

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



83°21'0"W 83°20'0"W 83°19'0"W 83°18'0"W

45°40'N 45°50'N 45°60'N

# Stand Boundary Map

Compartment 107  
 T31N, R09E, Sec. 9-10,  
 T31N, R09E, Sec. 15-16, 22, 27  
 County: Alpena  
 Unit: Atlanta  
 YOY: 2013  
 Acres: 1,136 GIS Calculated  
 Stand Examiner: Darrick Coy  
 Map Revised: 8/11/2011  
 Map Phase: Pre-Review

9 10  
 16 15  
 22  
 27

N

**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
- - Trail (Non-Recreation)
- - - Closed Roads
- - - Intermittent Stream/Drain
- Stream
- Stand Boundaries

**Forest Stands**

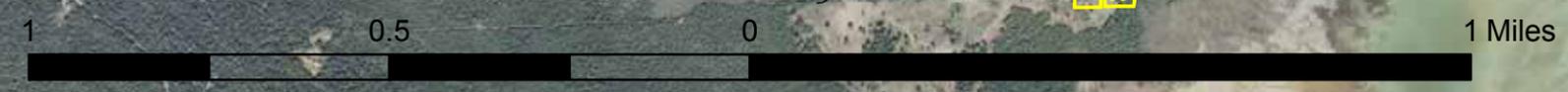
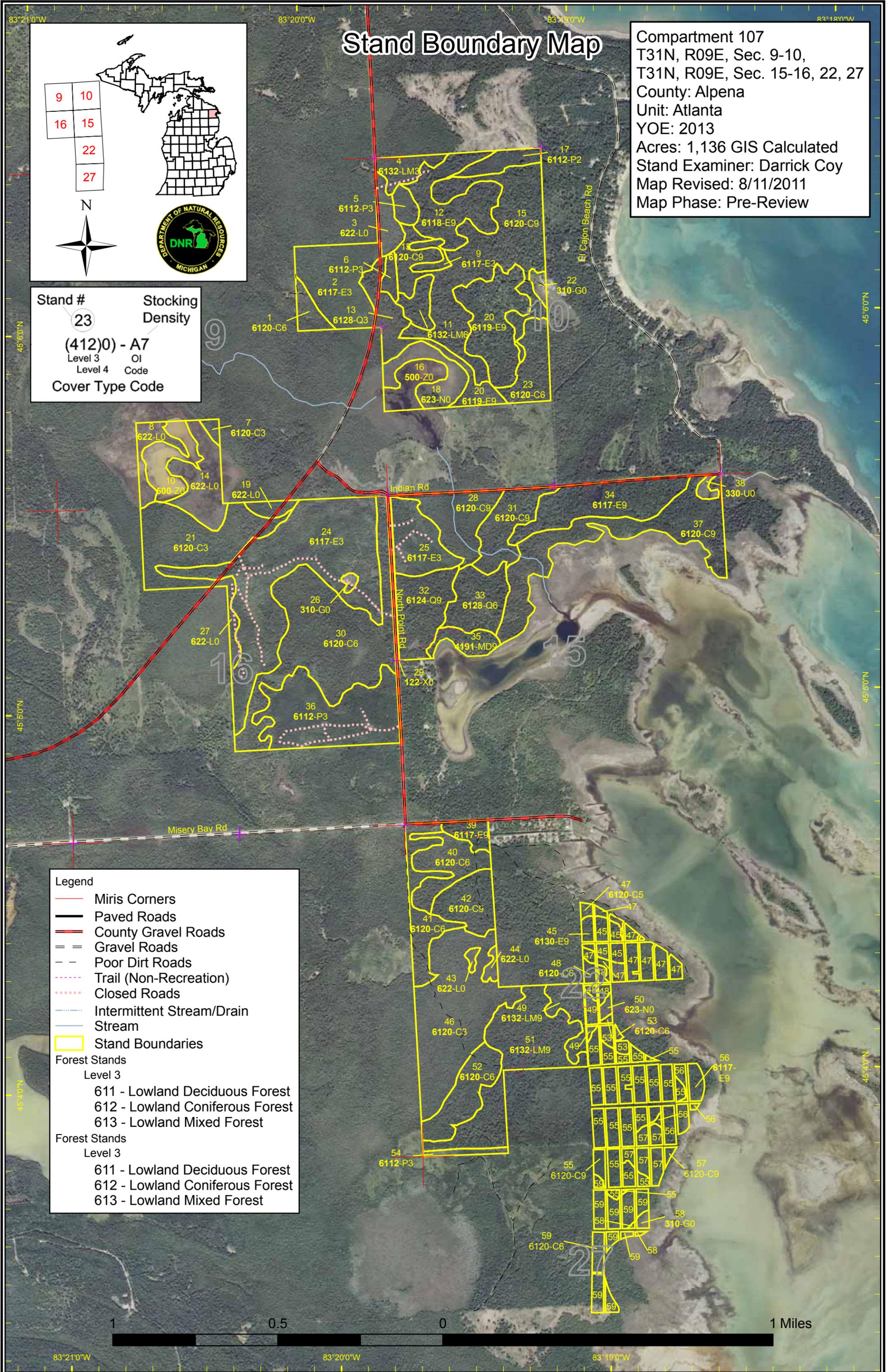
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- 611 - Lowland Deciduous Forest
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Forest Stands

Level 3

- 611 - Lowland Deciduous Forest
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83°21'0"W 83°20'0"W 83°19'0"W

45°50'N

45°50'N

45°50'N

45°50'N

45°50'N

45°50'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
Cedar	0	0	0	0	0	0	0	42	19	79	6	59	0	326	16	548
Herbaceous Openland	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Low-Density Trees	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Aspen/Balsam Poplar	0	0	3	49	16	0	0	0	0	0	0	0	0	0	0	68
Lowland Conifers	0	0	0	21	0	0	0	0	0	0	0	44	0	0	0	65
Lowland Deciduous	0	0	0	0	120	0	0	0	71	60	10	0	0	0	0	261
Lowland Mixed Forest	0	0	0	0	0	7	0	0	0	0	21	0	0	0	56	84
Lowland Shrub	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Marsh	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	8
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
<b>Total</b>	<b>102</b>	<b>0</b>	<b>3</b>	<b>71</b>	<b>136</b>	<b>7</b>	<b>0</b>	<b>42</b>	<b>91</b>	<b>147</b>	<b>36</b>	<b>103</b>	<b>0</b>	<b>326</b>	<b>72</b>	<b>1136</b>



## Table 2 – Proposed Treatment Summaries

**Atlanta Mgt. Unit**  
**Year of Entry 2013**

**Compartment 107**  
**Total Compartment Acres: 1136**

### Acres by Treatment Type

Commercial Harvest - 26	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 6	Tree Seeding - 0	Pesticide - 0	

### Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Lowland Deciduous	19	0	0	0	0	0	19
Lowland Mixed Forest	7	0	0	0	0	0	7
<b>Total</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
11	54107011-Cut	7.1	6132 - Mixed Lowland Forest with Cedar	High Density Pole	49	Harvest	Clearcut	4135 - Aspen, Cedar	Cmpt. Review Proposal
<u>Prescription</u> -clearcut <u>Specs:</u> -avoid wet areas - no retention due to size - restrict cutting to late summer & winter months - red-line in spring <u>Other</u> -gain access to stand using cut aspen stand to north <u>Comments:</u> <u>Next</u> -regen survey <u>Steps:</u> -acceptable regeneration of aspen and mixed conifer is expected									
	54107012-Cut	18.8	6118 - Lowland Deciduous with Cedar	High Density Log	82	Harvest	Clearcut with Reserves	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal
<u>Prescription</u> -clearcut <u>Specs:</u> -use multiple retention pockets within core area being harvested (3-10% prescribed acreage) - leave all W. Pine - avoid wet areas - restrict cutting to late summer & winter months - red-line in spring <u>Other</u> -use previously created two-track to gain access to west portion of stand (may need to go through P3 stand) <u>Comments:</u> -access is possible but wet outside of late summer & winter - last chance at regenerating aspen, beginning to show signs of rot and decline in around 25-30% of aspen - adjacent small pocket clearcuts to south have regenerated but are growing slower than average <u>Next</u> -regen survey <u>Steps:</u> -acceptable regeneration of aspen and mixed conifer is expected									
22	NF_54107022 _mow-NonFor	2.4	Non-Forested		0	Non-Forest Management	Mowing	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> -maintain opening to prevent tree and shrub encroachment <u>Specs:</u> -plant for browse and cover crops as needed <u>Other</u> <u>Comments:</u> <u>Next</u> <u>Steps:</u>									
26	NF_54107026- NonFor	1.2	Non-Forested		0	Non-Forest Management	Mowing	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> -maintain opening to prevent tree and shrub encroachment <u>Specs:</u> -plant for browse and cover crops as needed <u>Other</u> <u>Comments:</u> <u>Next</u> <u>Steps:</u>									
38	NF_54107038 _mow-NonFor	1.9	Non-Forested		0	Non-Forest Management	Mowing	3302 - Low Density Conifer Trees	Cmpt. Review Proposal
<u>Prescription</u> -maintain opening to prevent tree and shrub encroachment <u>Specs:</u> -plant for browse and cover crops as needed <u>Other</u> <u>Comments:</u> <u>Next</u> <u>Steps:</u>									

**Total Treatment  
Acreage Proposed: 31.4**

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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

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**Total Treatment  
Acreage Proposed: 0**

Out of YOE -- Treatments  
Prescribed with No Limiting Factor

Year of Entry: 2013



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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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Prescription  
Specs:

Other  
Comments:

Next  
Steps:

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**Total Treatment  
Acreage Proposed: 0**

Stand	Atlanta Mgt. Unit		5 – Forested Stands			Compartment: 107	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
1	6120 - Lowland Cedar	High Density Pole	5.9	93			Access to this stand is through private to the north west. Stand is a little better than stand 4.
2	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	31.7	72			Areas of standing water.
4	6132 - Mixed Lowland Forest with Cedar	High Density Sapling	8.4	92			-stagnant black ash and cedar mix -slow growing
5	6112 - Lowland Aspen	High Density Sapling	4.6	30			
6	6112 - Lowland Aspen	High Density Sapling	3.3	30			New stand added.
7	6120 - Lowland Cedar	High Density Sapling	1.8	107			
9	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	3.6	30			-cedar regen present from cutting
11	6132 - Mixed Lowland Forest with Cedar	High Density Pole	7.1	49			
12	6118 - Lowland Deciduous with Cedar	High Density Log	29.0	82			-mix of aspen and cedar -last inventory called all QA as Balsam Poplar -previous OI comment- Standing water throughout stand. Hold. Old growth potential.
13	6128 - Lowland Coniferous, Mixed Deciduous	High Density Sapling	21.4	25			-broken up canopy -scattered qa dying and giving rise to sapling canopy
15	6120 - Lowland Cedar	High Density Log	82.5	121	141-170		-lots of deer tracks
17	6112 - Lowland Aspen	Medium Density	7.8	30			
20	6119 - Mixed Lowland Deciduous Forest	High Density Log	31.2	86	81-110		-very mixed stand, predominantly red oak
21	6120 - Lowland Cedar	High Density Sapling	42.2	63			-smaller diameter cedar compared to other cedar stands -very dense -hard to walk through -pockets of larger log cedar close to aspen peninsula of higher ground
23	6120 - Lowland Cedar	High Density Pole	15.8	Uneven Age	81-110		-canopy is more broken up compared to other cedar stands
24	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	96.2	36			



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## Atlanta Mgt. Unit

## 5 – Forested Stands

Compartment: 107  
Year of Entry: 2013

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
25	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	20.2	36		
28	6120 - Lowland Cedar	High Density Log	22.0	107	141-170	-Stand swapped from Non-Forested to Forested.
30	6120 - Lowland Cedar	High Density Pole	78.7	85	141-170	
31	6120 - Lowland Cedar	High Density Log	19.4	107	141-170	
32	6124 - Lowland Spruce- Fir	High Density Log	24.0	105	51-80	
33	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	19.8	105	81-110	
34	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	33.4	70	81-110	
35	4191 - Mixed Upland Deciduous with Conifer	High Density Log	7.7	85	51-80	-fairly mixed stand -oak dominant with smaller sugar maple
36	6112 - Lowland Aspen	High Density Sapling	49.4	26		
37	6120 - Lowland Cedar	High Density Log	50.9	134		
39	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	6.0	75		-Quad trail from east. More of a Q-type along road -called species balsam poplar last inventory and is qa
40	6120 - Lowland Cedar	High Density Pole	18.6	120	141-170	
41	6120 - Lowland Cedar	High Density Pole	19.0	135		-better drainage than stand 46 -more species diversity
42	6120 - Lowland Cedar	High Density Log	16.7	120	171-200	-old OI comment- standing water in much of the stand. Hold. Old growth potential.
45	6130 - Fir, Aspen, Maple	High Density Log	7.7	Uneven Age		-very broken up canopy with highly variable size classes
46	6120 - Lowland Cedar	High Density Sapling	62.9	134		-old OI comment- SLOW GROWING, WET, NON PRODUCTIVE FOREST LAND. Trail in stand mostly under water.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
47	6120 - Lowland Cedar	Medium Density Pole	16.0	104	1-50	-poor limestone soil -cedar showing decline and half crowns of live/dead foliage -balsam in subcanopy also showing stress due to soil -much lower density than other cedar stands
48	6120 - Lowland Cedar	High Density Pole	4.2	128	51-80	-cedar showing decline and half crowns of live/dead foliage -balsam in subcanopy also showing stress due to poor soil -much lower density than other cedar stands
49	6132 - Mixed Lowland Forest with Cedar	High Density Log	12.5	91	111-140	-aspen with intermixed pockets of cedar -BA highly variable due to dying aspen and cedar pockets -stand difficult to walk through- a lot of down qa logs with balsam fir coming up -poor limestone soil -cedar showing decline and half crowns of live/dead foliage -balsam in subcanopy also showing stress due to soil -much lower density than other cedar stands
51	6132 - Mixed Lowland Forest with Cedar	High Density Log	48.5	Uneven Age		-old OI comment- HIGHLY VARIABLE, SMALL TIMBER IN POCKETS THROUGHOUT. Timber to south on private recently cut (1999). -good representation of a multistoried stand in places -fair amount of logs on ground creating canopy breaks and regen of mostly balsam fir
52	6120 - Lowland Cedar	High Density Pole	19.5	72	81-110	-small pocket of larger cedar than surrounding cedar to west
53	6120 - Lowland Cedar	High Density Pole	3.3	140	81-110	-more of a pole stand that is less dense from qa dying and poorer site -balsam coming in from openings created
54	6112 - Lowland Aspen	High Density Sapling	2.9	16		-could be a potential timber trespass -no survey corner records were located in office or in the field at the SWSW of section 22 in SW corner
55	6120 - Lowland Cedar	High Density Log	41.4	141	200+	-very dense, mostly log cedar with blowdown pockets
56	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	9.6	91		
57	6120 - Lowland Cedar	High Density Log	8.9	142	171-200	-similar to cedar stand to west -less qa and slightly less dense than west, decided to keep separate
59	6120 - Lowland Cedar	High Density Pole	17.9	139	111-140	-less dense and smaller size class than cedar to west



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	622 - Lowland Shrub	8.3	No	Low (NonForested)	
8	6221 - Fen	8.4	No	Low (NonForested)	
10	50 - Water	14.4	No	Low (NonForested)	
14	6221 - Fen	20.7	No	Low (NonForested)	
16	50 - Water	11.3	No	Unspecified	
18	623 - Emergent Wetland	15.0	N/A	Unspecified	
19	622 - Lowland Shrub	3.9	No	Unspecified	
22	310 - Herbaceous Openland	2.4	No	Unspecified	
26	310 - Herbaceous Openland	1.2	No	Low (NonForested)	
27	622 - Lowland Shrub	4.6	No	Unspecified	
29	122 - Road/Parking Lot	4.4	No	Unspecified	
38	3302 - Low Density Conifer Trees	1.9	No	Low (NonForested)	
43	622 - Lowland Shrub	1.1	No	Unspecified	
44	622 - Lowland Shrub	2.0	No	Unspecified	
50	623 - Emergent Wetland	1.3	No	Unspecified	
58	310 - Herbaceous Openland	1.4	No	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
17	SCA Removal	Aspen Clearcuts- Old Growth Removal	42.4	<p>Landscape/Multipoly AOI (Actual AOI is larger than parent stand listed)</p> <p>Records &amp; Observations: -no occurrences but higher potential occurrences for rare, threatened, and endangered species on file for stands included -stands were recently clearcut and will take significant time to become old growth</p> <p>Suggested Management: -remove SCA designation as potential old growth forest -manage forested areas for future timber harvest -protect any rare, threatened, and endangered species located during inventory or timber sale preparation</p>
34	Unique Site - SCA	Deciduous- Old Growth Maintained	72.3	<p>Landscape/Multipoly AOI (Actual AOI is larger than parent stand listed)</p> <p>Records &amp; Observations: -also contains limiting factor 2F- too wet -no occurrences but high potential occurrences for rare, threatened, and endangered species on file for stands -no recorded past harvesting on file for areas -high/abnormal species richness in forest covertype -surrounding environmental conditions have allowed a variety of different tree species from more extreme gradients between lowlands and uplands to grow together</p> <p>Conservation Objectives: -maintain SCA as potential old growth deciduous mixed coniferous forest with high species richness -promote natural succession with a progressively occurring uneven aged stand structure</p> <p>Suggested Management: -let stands develop naturally and undisturbed as potential old growth -no harvesting operations are allowed within the stands and any management activities must follow Work Instructions 1.4 (Biodiversity Management on State Forest Lands)</p>
39	Unique Site - SCA	Lowland Aspen- Old Growth Maintained	6.0	<p>Records &amp; Observations: -no occurrences but high potential occurrences for rare, threatened, and endangered species on file for stand -no past harvest records on file for stand -primarily old aspen</p> <p>Conservation Objective: -maintain SCA as potential old growth forest and allow succession to convert stand to a more mixed coniferous forest</p> <p>Suggested Management: -let stand develop naturally and undisturbed -no harvesting operations are allowed within the stand and any management activities must follow Work Instructions 1.4 (Biodiversity Management on State Forest Lands)</p>



## 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
11	SCA Removal	Lowland Aspen- Old Growth Removed	36.1	<p>Landscape/Multipoly AOI (Actual AOI is larger than parent stand listed)</p> <p>Records &amp; Observations:            -no occurrences but high potential occurrences for rare, threatened, and endangered species on file for stands            -stand will not be able to regenerate after this YOE due to internal rot            -no deer browse on regenerated cedar within past aspen clearcut, however, growth is slow due to shallow soil            -access to stand from using NW two-track</p> <p>Suggested Management:            -remove SCA old growth designation with Aspen and Cedar regeneration present within past small aspen clearcuts            -regenerate stand now within this YOE            -protect any rare, threatened, and endangered species, if found</p> <p>Alternative Management Option:            -let stand develop naturally and mortalize to Balsam Fir            -no harvesting operations are allowed within the stand and any management activities must follow Work Instructions 1.4 (Biodiversity Management on State Forest Lands)</p>
33	Unique Site - SCA	Lowland Cedar- Old Growth Maintained	485.8	<p>Landscape/Multipoly AOI (Actual AOI is larger than parent stand listed)</p> <p>Records &amp; Observations:            -high occurrences and potential occurrences for rare, threatened, and endangered species on file for stands included            -various areas contain limiting factor 2F- too wet            -some recorded partial harvesting on file for areas within W1/2NW of section 22, all other areas have no harvesting done            -most Cedar are close to at rotational age            -evidence of uneven age stand gap dynamics is occurring within some stands to the SE</p> <p>Conservation Objective:            -maintain SCA as potential old growth and let stands develop into or as an old growth rich conifer swamp            -promote natural succession with a progressively occurring uneven aged stand structure</p> <p>Suggested Management:            -let stands develop naturally and undisturbed            -no harvesting operations are allowed within the stands and any management activities must follow Work Instructions 1.4 (Biodiversity Management on State Forest Lands)</p>



## 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
15	SCA Removal	Lowland Cedar- Old Growth Removed	82.5	<p>Records &amp; Observations:</p> <ul style="list-style-type: none"> <li>-no occurrences but high potential occurrences for rare, threatened, and endangered species on file for stand</li> <li>-stand is younger than other cedar stands with no past treatments</li> <li>-no deer browse on regenerated cedar within past aspen clearcut, however, growth is slow due to shallow soil</li> <li>-access to stand from NW two-track</li> </ul> <p>Suggested Management:</p> <ul style="list-style-type: none"> <li>-remove SCA old growth designation with Cedar regeneration present within past small aspen clearcuts</li> <li>-reserve this stand for possibly regenerating Cedar over the longterm future, most-likely using 1- 2 chain wide strip cuts</li> <li>-not treating this YOE</li> </ul>
3	SCA Removal	Non-Forest- Old Growth Removal	44.8	<p>Landscape/Multipoly AOI (Actual AOI is larger than parent stand listed)</p> <p>Records &amp; Observations:</p> <ul style="list-style-type: none"> <li>-non-forested</li> <li>-no other observed or documented unique features exist</li> </ul> <p>Suggested Management:</p> <ul style="list-style-type: none"> <li>-remove SCA old growth designation</li> <li>-maintain openings</li> </ul>
4	SCA Removal	Very Poor Quality Lowland Cedar- Old Growth Removal	40.1	<p>Landscape/Multipoly AOI (Actual AOI is larger than parent stand listed)</p> <p>Records &amp; Observations:</p> <ul style="list-style-type: none"> <li>-no occurrences but high potential occurrences for rare, threatened, and endangered species on file for stands</li> <li>-stands contain high amounts of tag alder with extreme wetness from a higher watertable which are severely limiting these forested cedar areas ever from potentially developing into a quality representation of unevenaged rich conifer swamp</li> <li>-also contains limiting factor 2F- too wet</li> <li>-no recorded past harvesting on file for areas</li> </ul> <p>Suggested Management:</p> <ul style="list-style-type: none"> <li>-remove SCA as potential old growth and let develop</li> </ul>



## 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
HCVA	Coastal Environmental Areas	The public designation process is defined by Part 323, Shorelands Protection and Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the Michigan Department of Environmental Quality (DEQ). This is an inactive program with no new areas currently under consideration by the DEQ.
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	Great Lakes Islands	Great Lakes Islands provide significant habitat for numerous species, including many rare plants and animals, several of which are endemic or largely restricted to the Great Lakes region. Due to their isolation, islands provide good examples of many Great Lakes-associated natural communities and ecosystems, and thus have potential to provide insights for understanding the consequences of human disturbance on the increasingly fragmented ecosystems of the mainland.