



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 153

Entry Year 2015

Acreage: 1,301

County Presque Isle

Management Area: Hammond Bay Lake Plain

Revision Date:

Stand Examiner: Richard Barber

Legal Description:

Identified Planning Goals:

State forest management.

Soil and topography:

Habitat types are overwhelmingly wetland and PARVCo. Soils are somewhat poorly drained to poorly drained, with textures ranging from sand through loam. The eastern third of the compartment also contains some well drained sand and large expanses of muck. Western two-thirds consist of broad, shallow ridges separated by wetlands. Eastern third consists of higher frequency dune/swale beach ridges.

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

North: former Abitibi lands, now subdivided into hunting properties. West and south: mostly other state land. East: many small tracts along Lake Huron shoreline.

Unique Natural Features:

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

An SCA has been proposed for a wooded dune and swale complex.

Watershed and Fisheries Considerations:

No special considerations exist for this compartment.

Wildlife Habitat Considerations:

Featured species in this compartment include deer, ruffed grouse, and snowshoe hare. The western half of the compartment is remote and should remain as such. It is heavily used in winter by deer. Rare raptor species are likely present in some stands and there is a significant amount of ash die-off which provides snags for many wildlife species. The eastern portion of the compartment is designated as rare dune and swale complex, which provides upland and wetland habitats unique to the unit.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel and dune sand. The glacial drift thickness varies between 10 and 200 feet. Beneath the glacial drift is the Devonian Detroit River Group, quarried for dolomite/stone. Gravel pits are located in the area and there may be some gravel potential in the Compartment. This area has had no drilling for oil and gas. Oil and gas producing Silurian Guelph (Niagaran) Reefs are located ten miles to the south. The entire Compartment 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:

There may be a need to survey for a proposed timber sale.

Recreational Facilities and Opportunities:

There are no known developed recreational facilities.

Fire Protection:

Adequate.

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

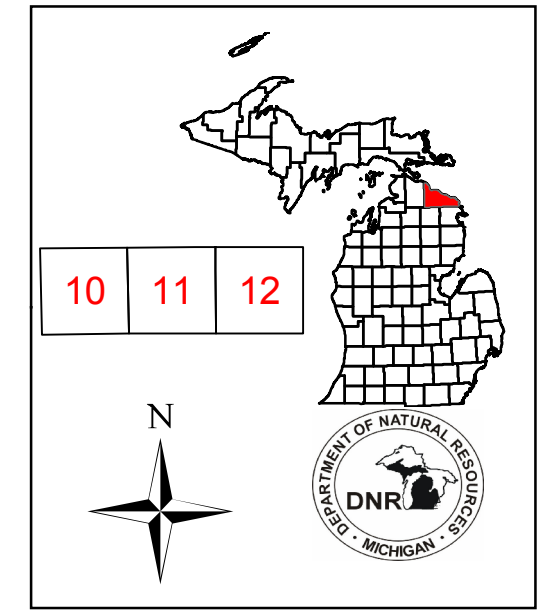
The following information is displayed, where pertinent, on the attached compartment maps:

- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

Cover Type & Treatment Map

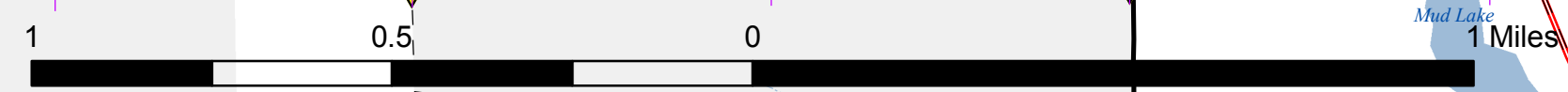
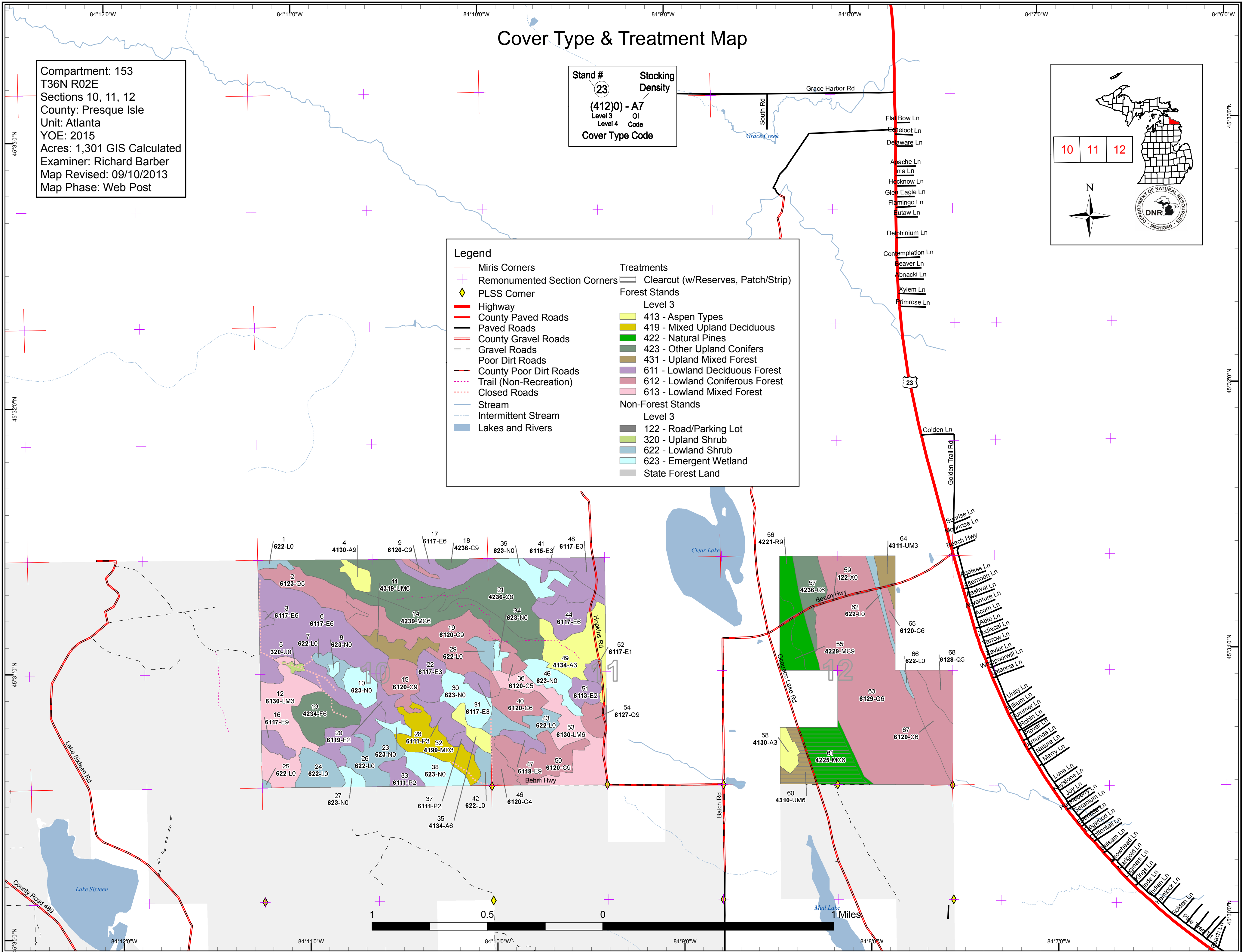
Compartment: 153
 T36N R02E
 Sections 10, 11, 12
 County: Presque Isle
 Unit: Atlanta
 YOE: 2015
 Acres: 1,301 GIS Calculated
 Examiner: Richard Barber
 Map Revised: 09/10/2013
 Map Phase: Web Post

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



Legend

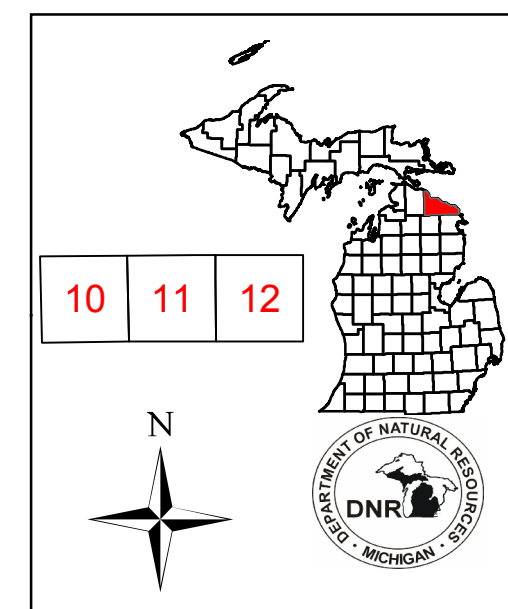
— Miris Corners	— Treatments
+ Remonumented Section Corners	— Clearcut (w/Reserves, Patch/Strip)
◆ PLSS Corner	Forest Stands
— Highway	Level 3
— County Paved Roads	413 - Aspen Types
— County Gravel Roads	419 - Mixed Upland Deciduous
— Gravel Roads	422 - Natural Pines
— Poor Dirt Roads	423 - Other Upland Conifers
— County Poor Dirt Roads	431 - Upland Mixed Forest
— Trail (Non-Recreation)	611 - Lowland Deciduous Forest
— Closed Roads	612 - Lowland Coniferous Forest
— Stream	613 - Lowland Mixed Forest
— Intermittent Stream	Non-Forest Stands
— Lakes and Rivers	Level 3
	122 - Road/Parking Lot
	320 - Upland Shrub
	622 - Lowland Shrub
	623 - Emergent Wetland
	State Forest Land



Special Conservation Areas & Site Conditions Map

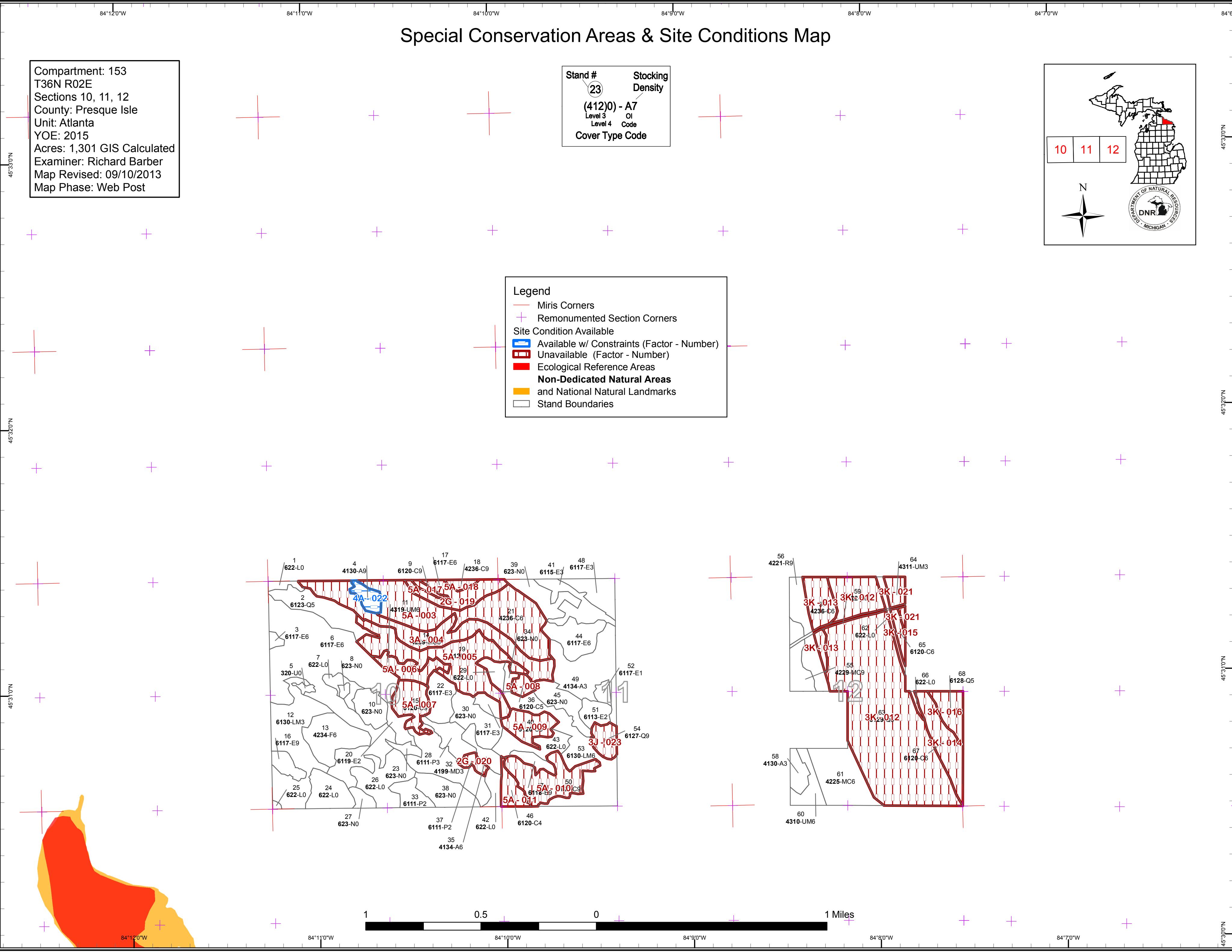
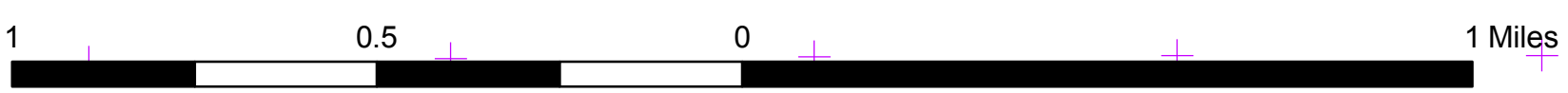
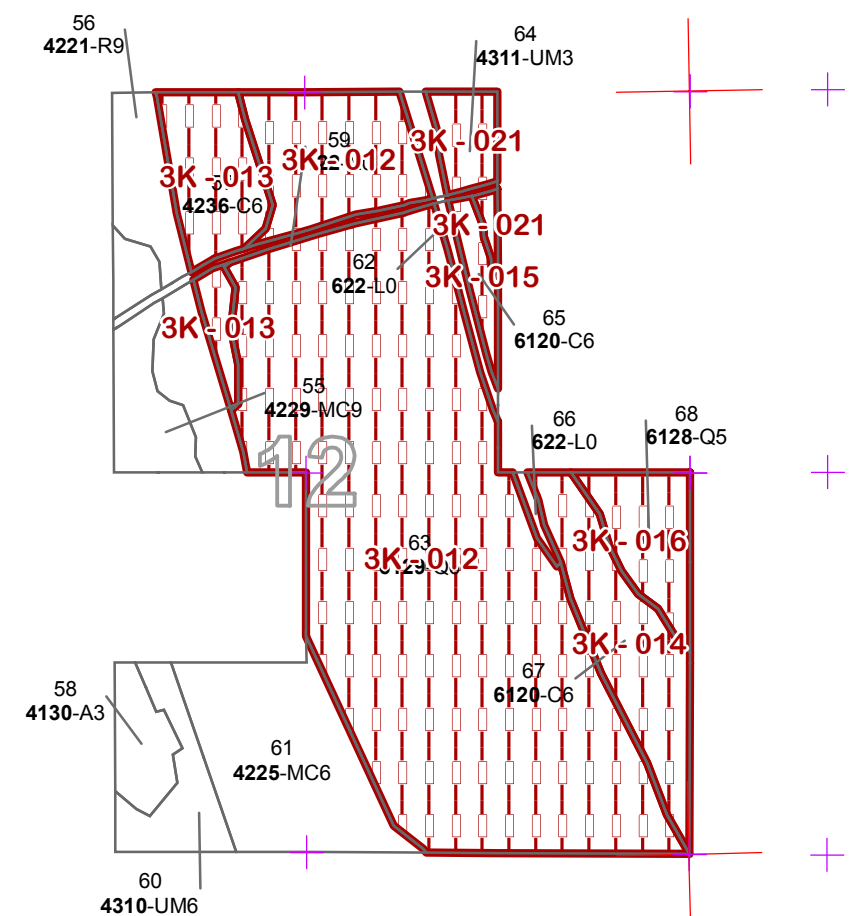
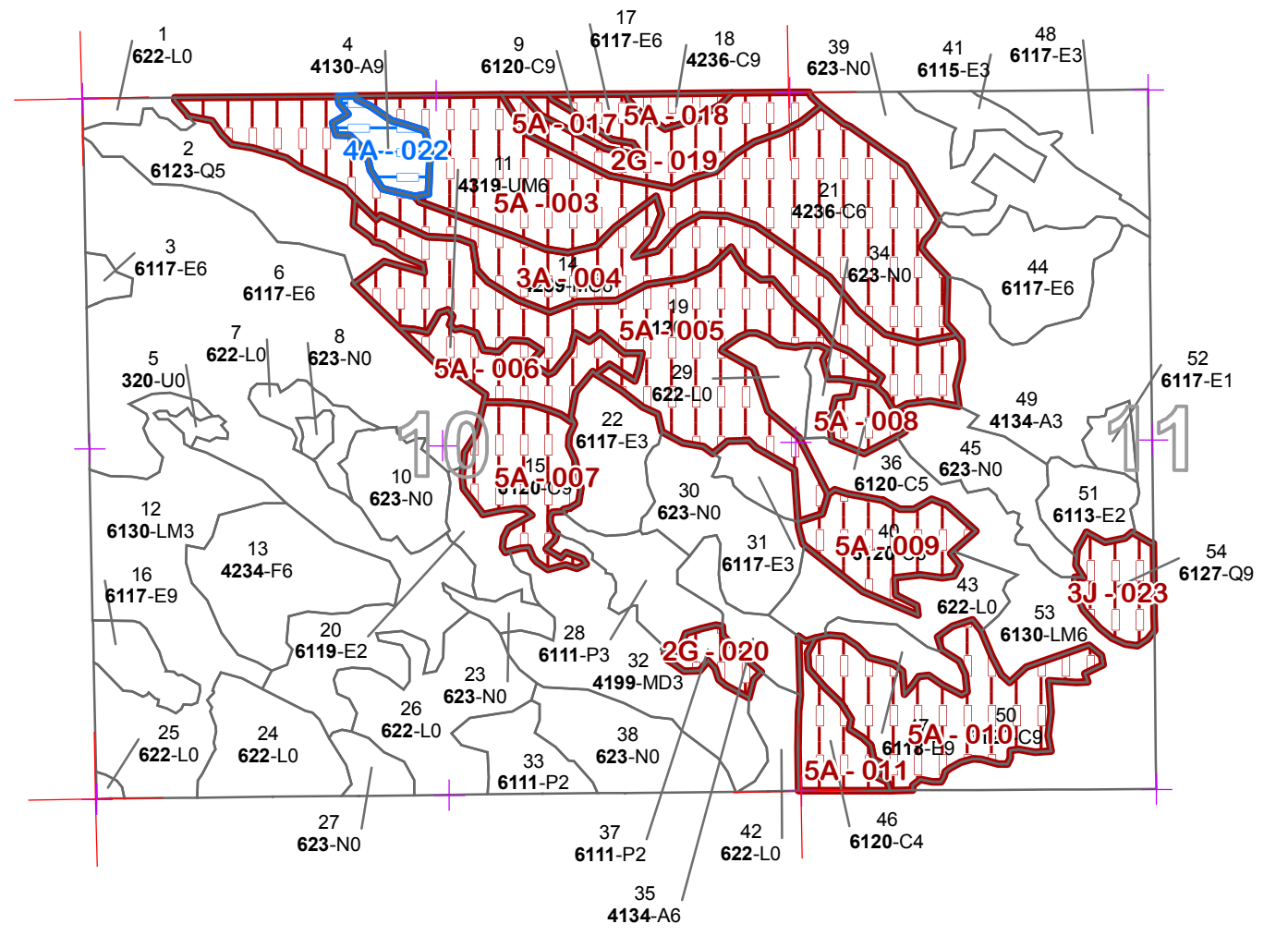
Compartment: 153
 T36N R02E
 Sections 10, 11, 12
 County: Presque Isle
 Unit: Atlanta
 YOE: 2015
 Acres: 1,301 GIS Calculated
 Examiner: Richard Barber
 Map Revised: 09/10/2013
 Map Phase: Web Post

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



Legend
 — Miris Corners
 + Remonumented Section Corners
Site Condition Available
 Available w/ Constraints (Factor - Number)
 Unavailable (Factor - Number)
 Ecological Reference Areas
Non-Dedicated Natural Areas and National Natural Landmarks

 Stand Boundaries



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	8	45	0	0	0	0	0	7	0	0	0	0	0	60
Cedar	0	0	0	0	0	71	0	0	33	0	74	0	79	0	257
Lowland Aspen/Balsam Poplar	0	0	25	0	0	0	0	0	0	0	0	0	0	0	25
Lowland Conifers	0	0	0	0	0	0	0	0	207	0	9	0	0	23	239
Lowland Deciduous	0	0	210	0	13	19	0	0	0	0	0	0	0	0	242
Lowland Mixed Forest	0	0	0	49	46	0	0	0	0	0	0	0	0	0	96
Lowland Shrub	85	0	0	0	0	0	0	0	0	0	0	0	0	0	85
Marsh	89	0	0	0	0	0	0	0	0	0	0	0	0	0	89
Mixed Upland Deciduous	0	0	30	0	0	0	0	0	0	0	0	0	0	0	30
Natural Mixed Pines	0	0	0	0	0	0	0	13	33	0	0	0	0	0	47
Red Pine	0	0	0	0	0	0	0	21	0	0	0	0	0	0	21
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	51	0	51
Upland Mixed Forest	0	8	0	0	13	0	0	0	11	0	0	0	0	0	31
Upland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25
Urban	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	179	15	310	49	72	91	0	34	290	0	83	0	130	48	1301



Report 2 – Proposed Treatment Summaries

Atlanta Mgt. Unit
Year of Entry 2015

Compartment 153
Total Compartment Acres: 1,301

Acres by Treatment Type

Commercial Harvest - 41	Tree Planting - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	

Cover Type by Harvest Method

	<i>Clearcut</i>	<i>Selection</i>	<i>Seed Tree</i>	<i>Shelterwood</i>	<i>Thinning</i>	<i>Other - Specify</i>	<i>Total Acres</i>
Natural Pines	31	0	0	0	0	0	31
Upland Mixed Forest	11	0	0	0	0	0	11
Total	41	0	0	0	0	0	41



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
60	54153060- CCR	10.6	4310 - Pine, Oak Mix	High Density Pole	87	51-80	Harvest	Clearcut with Reserves	4310 - Pine, Oak Mix	Cmpt. Review Proposal

Prescription Do not cut white pine if present. Leave a clump of 2-4 red pine per one or two acres.

Specs: Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole.
Require chipping of tops and snow-off skidding.

Other
Comments:

Next
Steps: Regen survey. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. If natural regeneration fails, plant red pine. Site prep may require thermal, chemical or mechanical methods.

Proposed
Start Date: 10/01/2014

61	54153061- CCR	30.7	42250 - Pine, Oak	High Density Pole	87	51-80	Harvest	Clearcut with Reserves	42250 - Pine, Oak	Cmpt. Review Proposal
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Prescription Do not cut white pine if present. Leave a clump of 2-4 red pine per one or two acres.

Specs: Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole. Leave 1 chain buffer along stand 63. Require chipping of tops and snow-off skidding.

Other
Comments:

Next
Steps: Regen survey. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. If natural regeneration fails, plant red pine. Site prep may require thermal, chemical or mechanical methods.

Proposed
Start Date: 10/01/2014

**Total Treatment
Acreage Proposed: 41.3**

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Type!

#Type!

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Type!

Limiting Factor

Total Treatment
Acreage Proposed: 0.0

Report 5 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment 153
Year of Entry 2015

Availability for Management

Total Acres	Acres		Dominant Site Conditions	Dominant Site Conditions						
	Available	Not Available		No	5A	4A	3K	3J	3A	2G
60	60		Aspen	53		7				
257		257	Cedar		210		47			
25	21	4	Lowland Aspen/Balsam Poplar	21						4
239	23	216	Lowland Conifers	23			207	9		
242	222	19	Lowland Deciduous	222						19
95	95		Lowland Mixed Forest	95						
30	30		Mixed Upland Deciduous	30						
47	47		Natural Mixed Pines	47						
21	21		Red Pine	21						
51		51	Upland Conifers						51	
31	11	20	Upland Mixed Forest	11	13		8			
25	25		Upland Spruce/Fir	25						
1,122	554	568	Total Forested Acres	547	222	7	261	9	51	23
	49%	51%	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	5A: Not able to obtain desirable regeneration	71				
Comments:							
004	Not Available	3A: Potential old growth / biodiversity	51	5B: Retention for regeneration purposes			
Comments:							
005	Not Available	5A: Not able to obtain desirable regeneration	57				
Comments:							

Report 5 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment 153
Year of Entry 2015

006	Not Available	5A: Not able to obtain desirable regeneration	13	
Comments:				
007	Not Available	5A: Not able to obtain desirable regeneration	17	
Comments:				
008	Not Available	5A: Not able to obtain desirable regeneration	5	
Comments:				
009	Not Available	5A: Not able to obtain desirable regeneration	15	
Comments:				
010	Not Available	5A: Not able to obtain desirable regeneration	31	
Comments:				
011	Not Available	5A: Not able to obtain desirable regeneration	9	
Comments:				

Report 5 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment 153
Year of Entry 2015

012	Not Available	3K: Rare or unique landforms	194	2G: Too wet (sensitive soils, does not include access issues)		
Comments:						
013	Not Available	3K: Rare or unique landforms	19	5A: Not able to obtain desirable regeneration		
Comments:						
014	Not Available	3K: Rare or unique landforms	24	2G: Too wet (sensitive soils, does not include access issues)	5A: Not able to obtain desirable regeneration	
Comments:						
015	Not Available	3K: Rare or unique landforms	4	5A: Not able to obtain desirable regeneration	2G: Too wet (sensitive soils, does not include access issues)	
Comments:						
016	Not Available	3K: Rare or unique landforms	13	2G: Too wet (sensitive soils, does not include access issues)	2B: Unknown if access through adjacent landowner(s) is possible	2E: Road needed
Comments:						
017	Not Available	5A: Not able to obtain desirable regeneration	2			
Comments:						

Report 5 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment 153
Year of Entry 2015

018	Not Available	5A: Not able to obtain desirable regeneration	3	
Comments:				
019	Not Available	2G: Too wet (sensitive soils, does not include access issues)	20	
Comments:				
020	Not Available	2G: Too wet (sensitive soils, does not include access issues)	4	
Comments: Regeneration is about so-so.				
021	Not Available	3K: Rare or unique landforms	8	
Comments:				
022	Available	4A: No merchantable products (see product standards)	7	
Comments: See stage 1 comments.				
023	Not Available	3J: Water quality / BMPs (stream, river, or lake)	9	5B: Retention for regeneration purposes
Comments:				



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
Comments				



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
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.

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Atlanta Mgt. Unit

Report 8 – Forested Stands

Compartment: 153
Year of Entry: 2015

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	6123 - Lowland Fir	Medium Density Pole	23.1	Uneven Age	
3	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	2.2	27	1-50
4	4130 - Aspen	High Density Log	6.9	87	81-110
6	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	119.7	27	1-50
9	6120 - Lowland Cedar	High Density Log	2.2	130	
11	4319 - Mixed Upland Forest	High Density Pole	12.7	40	
12	6130 - Fir, Aspen, Maple	High Density Sapling	49.2	30	1-50
13	42340 - Upland Spruce/Fir	High Density Pole	25.2	Uneven Age	
14	42390 - Mixed Non- Pine Upland Conifers	High Density Pole	51.4	134	20+ inch hemlock present.
15	6120 - Lowland Cedar	High Density Log	16.6	133	
16	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	6.8	46	51-80
17	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	19.5	57	
18	42360 - Upland Cedar	High Density Log	2.9	130	
19	6120 - Lowland Cedar	High Density Log	57.1	126	
20	6119 - Mixed Lowland Deciduous Forest	Medium Density	7.2	23	
21	42360 - Upland Cedar	High Density Pole	71.4	57	
22	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	14.0	23	

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Atlanta Mgt. Unit

Report 8 – Forested Stands

Compartment: 153
Year of Entry: 2015

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
28 6111 - Lowland Balsam Poplar	High Density Sapling	11.7	23		
31 6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	5.0	23		
32 4199 - Other Mixed Upland Deciduous	High Density Sapling	29.5	23	1-50	
33 6111 - Lowland Balsam Poplar	Medium Density	9.2	23		
35 4134 - Aspen, Spruce/Fir	High Density Pole	7.9	23	1-50	
36 6120 - Lowland Cedar	Medium Density Pole	4.7	87		
37 6111 - Lowland Balsam Poplar	Medium Density	4.0	23		
40 6120 - Lowland Cedar	High Density Pole	15.3	101	1-50	
41 6115 - Lowland Ash	High Density Sapling	16.7	25		
44 6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	19.0	25	1-50	
46 6120 - Lowland Cedar	Low Density Pole	9.1	104		a former black ash stand
47 6118 - Lowland Deciduous with Cedar	High Density Log	5.8	45	1-50	
48 6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	13.8	25	1-50	
49 4134 - Aspen, Spruce/Fir	High Density Sapling	37.5	26	1-50	
50 6120 - Lowland Cedar	High Density Log	30.5	104		
51 6113 - Lowland Maple	Medium Density	8.5	25		
52 6117 - Lowland Deciduous, Mixed Coniferous	Low Density Sapling	3.6	25		
53 6130 - Fir, Aspen, Maple	High Density Pole	46.3	40		

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Atlanta Mgt. Unit

Report 8 – Forested Stands

Compartment: 153
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
54	6127 - Lowland Pine	High Density Log	9.2	100		
55	42290 - Natural Mixed Pine	High Density Log	13.4	74	51-80	
56	42210 - Natural Red Pine	High Density Log	20.5	74	111-140	
57	42360 - Upland Cedar	High Density Pole	19.1	104		
58	4130 - Aspen	High Density Sapling	7.6	14		
60	4310 - Pine, Oak Mix	High Density Pole	10.6	87	51-80	
61	42250 - Pine, Oak	High Density Pole	33.2	87	51-80	
63	6129 - Mixed Coniferous Lowland Forest	High Density Pole	194.1	82		
64	4311 - Pine, Aspen Mix	High Density Sapling	7.6	16		
65	6120 - Lowland Cedar	High Density Pole	4.4	82		
67	6120 - Lowland Cedar	High Density Pole	23.6	82		
68	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	12.7	80		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	622 - Lowland Shrub	3.1	Unspecified	Unspecified	
5	320 - Upland Shrub	1.6	Unspecified	Unspecified	
7	622 - Lowland Shrub	6.2	Unspecified	Unspecified	
8	623 - Emergent Wetland	1.5	Unspecified	Unspecified	
10	623 - Emergent Wetland	12.0	Unspecified	Unspecified	
23	623 - Emergent Wetland	3.4	Unspecified	Unspecified	
24	622 - Lowland Shrub	16.6	Unspecified	Unspecified	
25	622 - Lowland Shrub	0.7	Unspecified	Unspecified	
26	622 - Lowland Shrub	24.3	Unspecified	Unspecified	
27	623 - Emergent Wetland	4.4	Unspecified	Unspecified	
29	622 - Lowland Shrub	6.0	Unspecified	Unspecified	
30	623 - Emergent Wetland	19.3	Unspecified	Unspecified	
34	623 - Emergent Wetland	3.0	Unspecified	Unspecified	
38	623 - Emergent Wetland	16.9	Unspecified	Unspecified	
39	623 - Emergent Wetland	14.5	Unspecified	Unspecified	
42	622 - Lowland Shrub	5.8	Unspecified	Unspecified	
43	622 - Lowland Shrub	15.3	Unspecified	Unspecified	
45	623 - Emergent Wetland	14.5	Unspecified	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
59	122 - Road/Parking Lot	3.3	Unspecified	Unspecified	
62	622 - Lowland Shrub	5.2	Unspecified	Unspecified	
66	622 - Lowland Shrub	1.3	Unspecified	Unspecified	