



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 104

Entry Year 2016

Acreage: 1,296

County Alpena

Management Area: Alpena Lake Plain

Revision Date: 10/28/2014

Stand Examiner: Chad Fate

Legal Description:

T31N-R07E, Sections 25-27

Identified Planning Goals:

The main goal in this compartment is to conduct multiple resource management for the good of the citizens of the State of Michigan.

Soil and topography:

Soils range from Deford loamy sand to Lupton Muck. The compartment consists of several large low areas in the central area and some ridges in the East part of the compartment while the west end is mostly flat terrain. There is a large mounded area in the central part of the compartment that is an old capped landfill.

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

The compartment has private property mixed in with the state land along the North boundary. Land use in the compartment includes a Girl Scout Camp lease on State land and the P.K. Fletcher Gun Club use permitted on State land. There is some camping during hunting season.

Unique Natural Features:

No Unique Natural Features known.

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:

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

The primary focus of wildlife habitat management will be to address the habitat requirements identified for the listed featured species found in this compartment. These species include American woodcock, ruffed grouse, snowshoe hare, wild turkey, and white-tailed deer. Based on the selected featured species, some of the most significant wildlife management issues in the management area are the maintenance of young forest and large open grassland complexes; the retention of large, over-mature trees and snags; and the maintenance and expansion of hard mast and mesic conifer components.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel and minor dune sand. The glacial drift thickness varies between 0 and 10 feet. Beneath the glacial drift are the Devonian Antrim Shale and Traverse Group. The Antrim and Traverse are quarried for clay/shale and limestone/cement products eight miles to the east. A gravel pit is located around the Compartment and potential appears to be good on upland areas. This area has had no drilling for oil and gas. The Antrim Shale is pinching out in this area and production is unlikely. There are no State oil and gas leases in the area.

Vehicle Access:

The compartment has a gated railroad grade running full length east to west which provides access to the majority of the county. The west end of the Compartment has several two tracks while the central portion of the compartment is limited to foot traffic. The east end of the Compartment can be accessed by the Norway Ridge Truck Trail.

Survey Needs:

No survey needs at this time.

Recreational Facilities and Opportunities:

The compartment has two routes of the snowmobile trail located within it. Other recreational opportunities except hunting are limited due to poor access and wet soils.

Fire Protection:

Fire response to the compartment should be quick due to the close location to the Alpena Field Office. The low and wet soils may cause problems for access in some areas.

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**

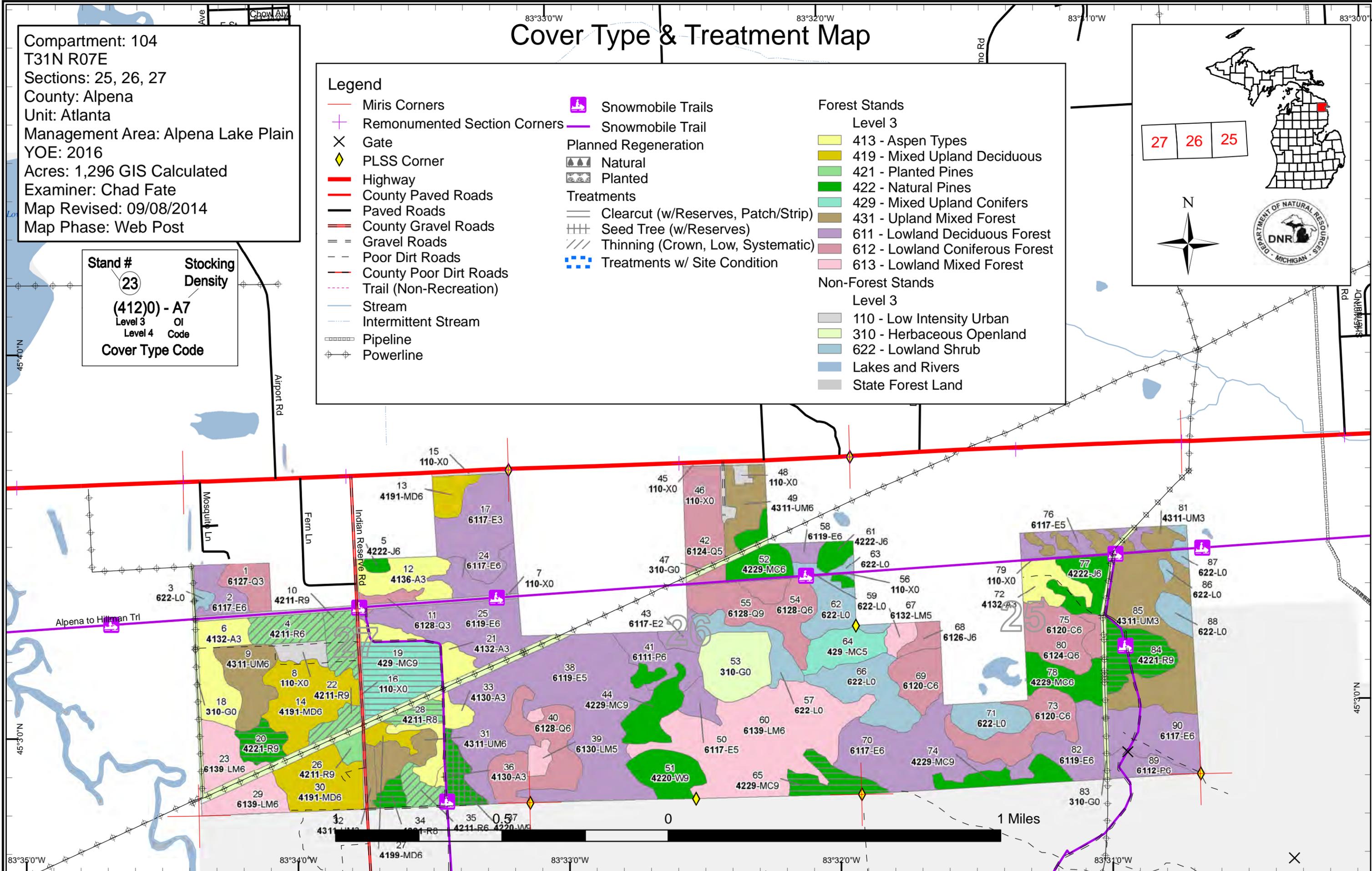
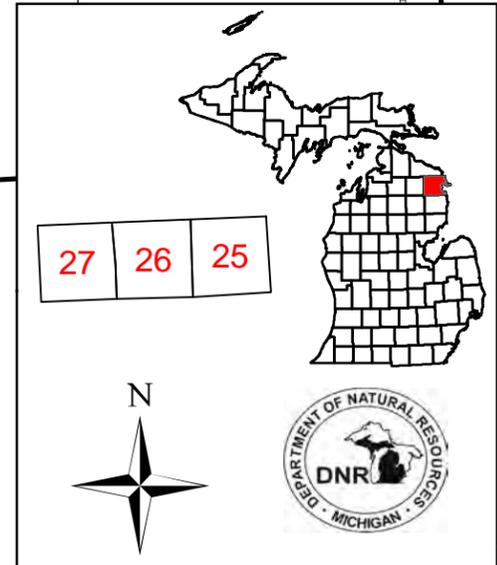
Cover Type & Treatment Map

Compartment: 104
 T31N R07E
 Sections: 25, 26, 27
 County: Alpena
 Unit: Atlanta
 Management Area: Alpena Lake Plain
 YOE: 2016
 Acres: 1,296 GIS Calculated
 Examiner: Chad Fate
 Map Revised: 09/08/2014
 Map Phase: Web Post

Legend

- | | | |
|--------------------------------|--------------------------------------|---------------------------------|
| — Miris Corners | — Snowmobile Trails | Forest Stands |
| + Remonumented Section Corners | — Snowmobile Trail | Level 3 |
| X Gate | Planned Regeneration | 413 - Aspen Types |
| ◆ PLSS Corner | — Natural | 419 - Mixed Upland Deciduous |
| — Highway | — Planted | 421 - Planted Pines |
| — County Paved Roads | Treatments | 422 - Natural Pines |
| — Paved Roads | — Clearcut (w/Reserves, Patch/Strip) | 429 - Mixed Upland Conifers |
| — County Gravel Roads | — Seed Tree (w/Reserves) | 431 - Upland Mixed Forest |
| — Gravel Roads | — Thinning (Crown, Low, Systematic) | 611 - Lowland Deciduous Forest |
| — Poor Dirt Roads | — Treatments w/ Site Condition | 612 - Lowland Coniferous Forest |
| — County Poor Dirt Roads | | 613 - Lowland Mixed Forest |
| — Trail (Non-Recreation) | | Non-Forest Stands |
| — Stream | | Level 3 |
| — Intermittent Stream | | 110 - Low Intensity Urban |
| — Pipeline | | 310 - Herbaceous Openland |
| — Powerline | | 622 - Lowland Shrub |
| | | Lakes and Rivers |
| | | State Forest Land |

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



Stand Boundary Map

Compartment: 104
 T31N R07E
 Sections: 25, 26, 27
 County: Alpena
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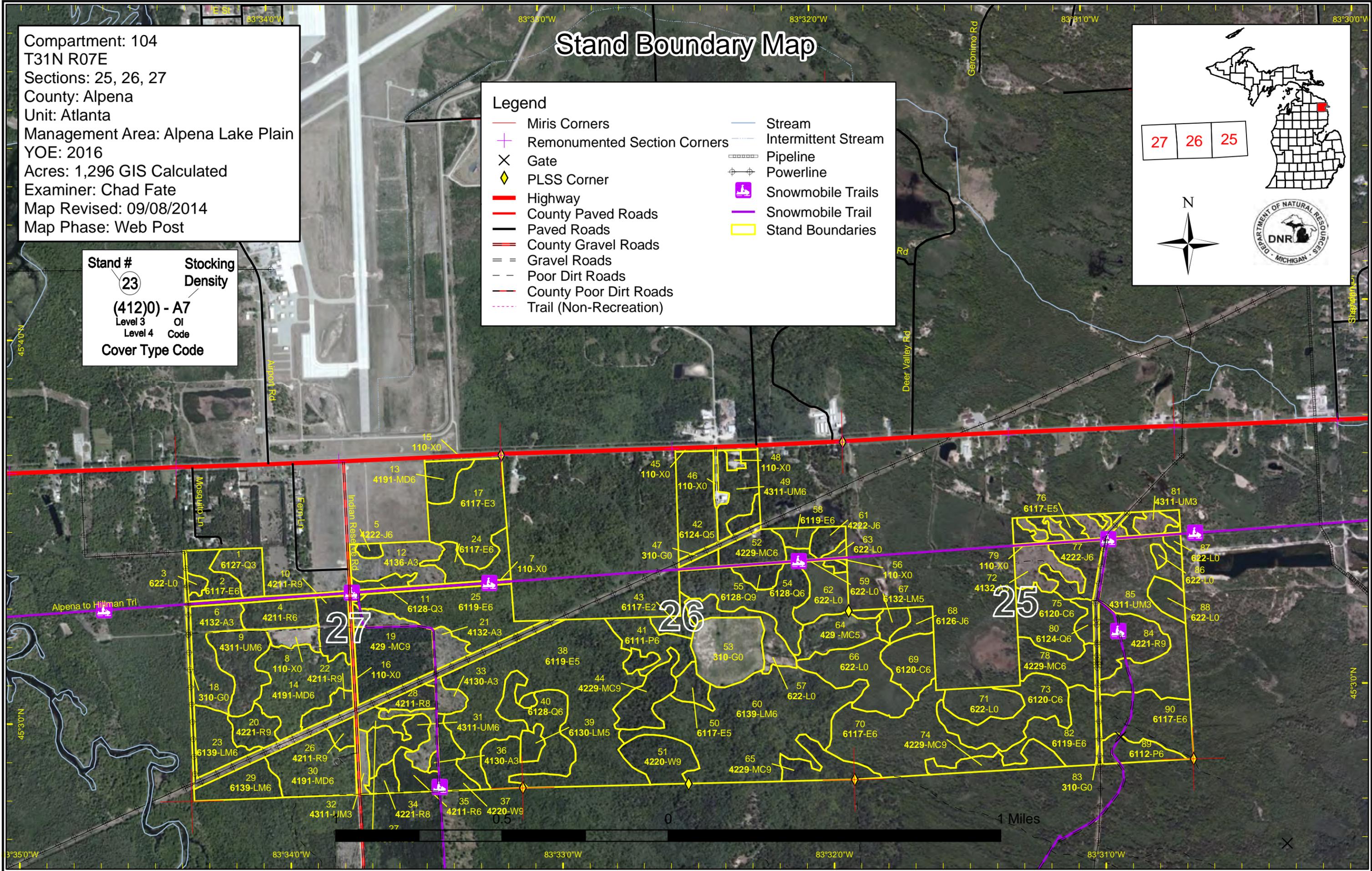
Legend

	Miris Corners		Stream
	Remonumented Section Corners		Intermittent Stream
	Gate		Pipeline
	PLSS Corner		Powerline
	Highway		Snowmobile Trails
	County Paved Roads		Snowmobile Trail
	Paved Roads		Stand Boundaries
	County Gravel Roads		
	Gravel Roads		
	Poor Dirt Roads		
	County Poor Dirt Roads		
	Trail (Non-Recreation)		

27 26 25

N

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



Compartment: 104
 T31N R07E
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Special Conservation Areas & Site Conditions Map

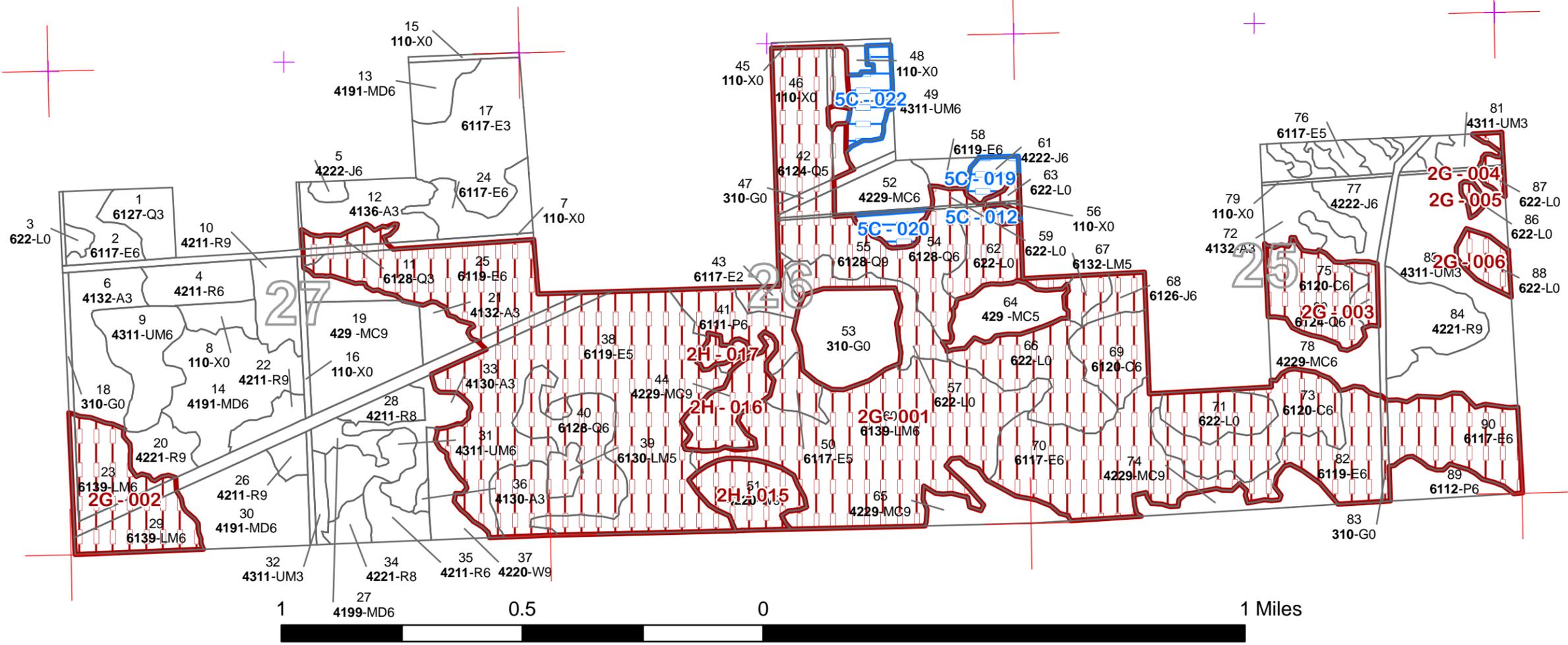
Legend

- Stand Boundaries
- Miris Corners
- Remonumented Section Corners
- Site Condition Available
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)

27 26 25

N

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



45°40'N
45°30'N

83°35'0"W
83°34'0"W
83°33'0"W
83°32'0"W
83°31'0"W

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	51	0	21	1	0	0	0	0	0	0	0	0	0	0	73
Cedar	0	0	0	0	0	0	0	0	46	14	0	0	0	0	60
Herbaceous Openland	59	0	0	0	0	0	0	0	0	0	0	0	0	0	59
Jack Pine	0	0	0	14	0	0	6	0	5	0	0	0	0	0	25
Lowland Aspen/Balsam Poplar	0	0	9	0	0	0	14	0	0	0	0	0	0	0	23
Lowland Conifers	0	10	4	0	0	0	28	0	34	0	32	0	0	0	109
Lowland Deciduous	0	0	5	33	0	10	10	132	130	0	0	0	0	0	320
Lowland Mixed Forest	0	0	0	0	33	0	0	88	4	0	0	0	0	0	125
Lowland Shrub	81	0	0	0	0	0	0	0	0	0	0	0	0	0	81
Mixed Upland Deciduous	0	0	0	0	8	58	0	5	0	0	0	0	0	0	71
Natural Mixed Pines	0	0	0	0	0	0	0	25	29	14	0	0	0	0	68
Red Pine	0	0	0	7	0	32	0	10	28	0	0	0	0	0	77
Upland Conifers	0	0	0	15	0	0	0	0	28	0	0	0	0	0	42
Upland Mixed Forest	14	0	49	30	0	0	0	14	0	0	0	0	0	0	107
Urban	31	0	0	0	0	0	0	0	0	0	0	0	0	0	31
White Pine	0	0	0	0	0	0	0	0	25	0	0	0	0	0	25
Total	236	10	88	100	41	99	44	288	256	88	47	0	0	0	1296



Report 2 – Proposed Treatment Summaries

Atlanta Mgt. Unit
Year of Entry 2016

Compartment 104
Total Compartment Acres: 1,296

Acres by Treatment Type

Commercial Harvest - 122 Tree Planting - 78 Other - 0
 Habitat Cut - 0 Opening Maintenance - 0

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Mixed Upland Conifers	28	0	0	0	0	0	28
Natural Pines	45	0	9	0	0	0	54
Planted Pines	6	0	0	0	35	0	41
Total	78	0	9	0	35	0	122



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
4	54104004-Cut	12.1	42111 - Planted Red Pine, Mixed Deciduous	High Density Pole	54	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal

Prescription 3rd row thin, may have to modify and mark to cut through northern portion of the stand. Use trail specs for slash and debris along snowmobile trail. Do not use trail for access.

Other Planting success was variable and rows can be hard to identify on northern portion of the stand due to mixed competition.

Next
Steps:

Proposed
Start Date: 10/01/2015

10	54104010-Cut	10.9	42110 - Planted Red Pine	High Density Log	55	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription Crown Thinning, Thin to 120 BA. Use trail specs for slash and debris along snowmobile trail. Do not use trail for access.

Other
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2015

19	54104019-Cut	27.7	429 - Mixed Upland Conifers	High Density Log	98	111-140	Harvest	Clearcut with Reserves	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription Clearcut, leave retention pocket on SW corner of the stand along Indian Reserve Rd. Use trail specs for snowmobile trail, use 2 inch spec, chip tops, and low stumps.

Other
Comments:

Next Site Prep, Trench/Plant to Red Pine, follow up treatments as necessary. Acceptable regen is planted red pine. Follow up planting with 1st and 3rd year regen surveys.

Proposed
Start Date: 10/01/2015

20	54104020-Cut	8.9	42210 - Natural Red Pine	High Density Log	88	141-170	Harvest	Clearcut with Reserves	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription Clearcut, follow retention guidelines. Use 2 inch spec, chip tops, and low stumps.

Other
Comments:

Next Site prep, trench/plant red pine, follow up treatments as necessary. Acceptable regen is planted red pine. Follow up planting with 1st and 3rd year regen surveys.

Proposed
Start Date: 10/01/2015

22	54104022-Cut	5.4	42110 - Planted Red Pine	High Density Log	54	111-140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription 3rd row thin, may have to mark to cut as density and rows are variable throughout.

Other
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2015



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
28	54104028-Cut	5.6	42110 - Planted Red Pine	Medium Density Log	72	111-140	Harvest	Clearcut with Reserves	4211 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Clearcut, leave retention on west corner of the stand. Use trail specs, use 2 inch spec, chip tops, low stumps.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Site prep, trench/plant red pine, follow up treatments as necessary. Acceptable regen is planted red pine. Follow up planting with 1st and 3rd year regen surveys.										
<u>Proposed Start Date:</u> 10/01/2015										
34	54104034-Cut	4.2	42210 - Natural Red Pine	Medium Density Log	74	81-110	Harvest	Clearcut with Reserves	4211 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Clearcut, follow retention guidelines. Use 2 inch spec. Chip tops and low stumps.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Site prep, trench/plant Red pine, follow up treatments as necessary. Acceptable regen is planted red pine. Follow up planting with 1st and 3rd year regen surveys.										
<u>Proposed Start Date:</u> 10/01/2015										
35	54104035-Cut	7.1	42110 - Planted Red Pine	High Density Pole	38	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> 3rd row thin. Use trail specs.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> 10/01/2015										
37	54104037-Cut	9.0	42200 - Natural White Pine	High Density Log	85	171-200	Harvest	Seed Tree with Reserves	42201 - Natural White Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Seed tree cut, leave 10-20 BA of large crown white pines. leave retention along the snowmobile trail. Use trail specs, use 2 inch spec. whole tree skid with snow off conditions.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Acceptable regen is a medium to well stocked stand of white pine with lower stocking component of red maple, aspen, red oak. Follow up with regen survey										
<u>Proposed Start Date:</u> 10/01/2015										
65	54104065-Cut	12.6	42290 - Natural Mixed Pine	High Density Log	81	111-140	Harvest	Clearcut with Reserves	4211 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Clearcut, pending regen survey on stand 54 in compartment 105 to the south. If natural regen fails for stand 54, then clearcut along with that stand. Follow retention guidelines. Use 2 inch spec, chip tops, low stumps. Use trail specs.										
<u>Specs:</u>										
<u>Other Comments:</u> Access through stand 54 in compartment 105 of off the snowmobile trail.										
<u>Next Steps:</u> Site prep, trench/plant red pine, follow up treatments as necessary. Acceptable regen is planted red pine. Follow up planting with 1st and 3rd year regen surveys.										
<u>Proposed Start Date:</u> 10/01/2015										

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	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
84	54104084-Cut	19.0	42210 - Natural Red Pine	High Density Log	80	111-140	Harvest	Clearcut with Reserves	4211 - Planted Red Pine	Cmpt. Review Proposal

Prescription Clearcut, leave retention on NW corner between snowmobile trail and powerline. Use trail specs, use 2 inch spec, chip tops, low stumps.

Specs:

Other

Comments:

Next Steps: Site prep, trench/plant red pine, follow up treatments as necessary. acceptable regen is planted red pine. Follow up planting with 1st and 3rd year regen surveys.

Proposed

Start Date: 10/01/2015

**Total Treatment
Acreage Proposed: 122.3**

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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
Chad Fate : Examiner

Compartment 104
Year of Entry 2016

Availability for Management

Availability for Management			Dominant Site Conditions				
Total Acres	Acres Available	Acres Not Available	No	5C	2H	2G	
73	73		Aspen	73			
60		60	Cedar				60
25	20	5	Jack Pine	14	6		5
23	9	14	Lowland Aspen/Balsam Poplar	9			14
108	15	93	Lowland Conifers	10	5		93
320	68	252	Lowland Deciduous	68			252
125		125	Lowland Mixed Forest				125
71	71		Mixed Upland Deciduous	71			
68	51	17	Natural Mixed Pines	51		17	
77	77		Red Pine	77			
42	42		Upland Conifers	42			
107	103	4	Upland Mixed Forest	93	9		4
25	9	16	White Pine	9		16	
1,124	538	587	Total Forested Acres	518	20	33	554
	48%	52%	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
001	Not Available	2G: Too wet (sensitive soils, does not include access issues)	582				
Comments:							
002	Not Available	2G: Too wet (sensitive soils, does not include access issues)	33				
Comments:							

Report 5 – Site Conditions

Atlanta Mgt. Unit
 Chad Fate : Examiner

Compartment 104
 Year of Entry 2016

003	Not Available	2G: Too wet (sensitive soils, does not include access issues)	24	
Comments:				
004	Not Available	2G: Too wet (sensitive soils, does not include access issues)	3	
Comments:				
005	Not Available	2G: Too wet (sensitive soils, does not include access issues)	1	
Comments:				
006	Not Available	2G: Too wet (sensitive soils, does not include access issues)	6	
Comments:				
012	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	1	
Comments:				
015	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	16	
Comments:				

Report 5 – Site Conditions

Atlanta Mgt. Unit
 Chad Fate : Examiner

Compartment 104
 Year of Entry 2016

016	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	14
Comments:			
017	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3
Comments:			
019	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5
Comments:			
020	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5
Comments:			
022	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9
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
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Comments



Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6127 - Lowland Pine	High Density Sapling	10.2	17		scattered log size oak and red pine on eastern edge. eastern edge is drier and more upland. Illegal horse trails.
2	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	9.7	55		stand structure is extremely variable with log size pine along north edge. mostly lowland with pockets of high ground. illegal 4x4 trails through out leading to properties to the north.
4	42111 - Planted Red Pine, Mixed Deciduous	High Density Pole	12.1	54	141-170	red pine plantation. success looks like it was limited in areas on north side of the stand due to competition resulting in a mixed stand.
5	42220 - Natural Jack Pine	High Density Pole	2.0	32		cut in the early 80's for the airpaort to the north
6	4132 - Aspen, Jack Pine	High Density Sapling	21.2	27		pockets of jack pine. areas of lowland throughout, especially along the north.
9	4311 - Pine, Aspen Mix	High Density Pole	19.1	35		pockets of thick jack pine
10	42110 - Planted Red Pine	High Density Log	10.9	55	171-200	
11	6128 - Lowland Coniferous, Mixed Deciduous	High Density Sapling	4.0	27		This stand is extremely variable with some merchantable sized trees along the snowmobile trail. It also includes a patch of dense cedar and tamarack on both sides of the trail.
12	4136 - Aspen, Mixed Conifer	High Density Sapling	17.3	6		
13	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	8.0	45	81-110	
14	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	32.4	54	111-140	large log size oaks with pole size oaks and mixed deciduous throughout. pockets of planted red pine pole size. (pine was underplanted in the '60s)
17	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	32.8	36		stand was cut in the late 70's
19	429 - Mixed Upland Conifers	High Density Log	27.7	98	111-140	
20	42210 - Natural Red Pine	High Density Log	8.9	88	141-170	
21	4132 - Aspen, Jack Pine	High Density Sapling	10.8	6		
22	42110 - Planted Red Pine	High Density Log	5.4	54	111-140	density is variable



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	6139 - Mixed Lowland Forest	High Density Pole	14.3	49		very wet. pockets of dead black ash
24	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	11.9	76	81-110	
25	6119 - Mixed Lowland Deciduous Forest	High Density Pole	36.6	81	51-80	
26	42110 - Planted Red Pine	High Density Log	3.5	59	141-170	
27	4199 - Other Mixed Upland Deciduous	High Density Pole	4.7	76	81-110	
28	42110 - Planted Red Pine	Medium Density Log	5.6	72	111-140	Thinned in 2008 #54-010-06-01
29	6139 - Mixed Lowland Forest	High Density Pole	13.2	49		Dead Ash, standing water.
30	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	25.4	59	81-110	Girl Scout camp.
31	4311 - Pine, Aspen Mix	High Density Pole	11.1	35		
32	4311 - Pine, Aspen Mix	High Density Sapling	3.1	6		cut in 2008
33	4130 - Aspen	High Density Sapling	11.2	6		cut in 2008
34	42210 - Natural Red Pine	Medium Density Log	4.2	74	81-110	
35	42110 - Planted Red Pine	High Density Pole	7.1	38	141-170	
36	4130 - Aspen	High Density Sapling	1.0	32		
37	42200 - Natural White Pine	High Density Log	9.0	85	171-200	
38	6119 - Mixed Lowland Deciduous Forest	Medium Density Pole	110.4	74		very wet, poor quality
39	6130 - Fir, Aspen, Maple	Medium Density Pole	5.1	45		very wet, mostly aspen and fir with birch and tag alder.
40	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	32.3	109		Cedar is variable throughout. some areas are nice pole and log sized and others are stunted and stagnant. There is a mix of lowland hardwoods throughout.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
41	6111 - Lowland Balsam Poplar	High Density Pole	14.4	71		
42	6124 - Lowland Spruce-Fir	Medium Density Pole	24.3	69		
43	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density	5.2	20		
44	42290 - Natural Mixed Pine	High Density Log	16.9	82	81-110	higher dry islands surrounded by lowland hardwoods. some areas of the stand get seasonally wet.
49	4311 - Pine, Aspen Mix	High Density Pole	13.9	70		more pine on the east edge. gets wet along SW part of the stand
50	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	6.3	75		poor quality trees, standing water.
51	42200 - Natural White Pine	High Density Log	16.0	87	111-140	Higher ground surrounded by lowland hardwoods, pockets of low areas throughout the stand.
52	42290 - Natural Mixed Pine	High Density Pole	13.8	76	81-110	larger pine on east side. smaller pine in the middle. there are some lowland pockets throughout.
54	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	29.0	84		low stagnant trees.
55	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	5.0	80		red pine/black spruce lowland.
58	6119 - Mixed Lowland Deciduous Forest	High Density Pole	3.7	74		
60	6139 - Mixed Lowland Forest	High Density Pole	87.6	79		
61	42220 - Natural Jack Pine	High Density Pole	6.0	69		Higher pine ridges through the marsh
64	429 - Mixed Upland Conifers	Medium Density Pole	14.6	39	51-80	Top soil was removed from this stand to cap the landfill.
65	42290 - Natural Mixed Pine	High Density Log	12.6	81	111-140	Higher ridges of pine surrounded by lowland hardwoods
67	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	4.4	82		very wet, some open areas with lowland brush
68	6126 - Lowland Jack Pine	High Density Pole	4.9	88		low ground with one island of higher ground in the middle.

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Atlanta Mgt. Unit

Report 8 – Forested Stands

Compartment: 104
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
69	6120 - Lowland Cedar	High Density Pole	14.3	104		Very wet, standing water throughout. Looks like a drainage with lowland brush running across the middle of the stand.
70	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	46.1	81		Standing water in places, Black ash is dead/dieing. There are some cedar pockets and pine ridges. Access is poor through low ground areas.
72	4132 - Aspen, Jack Pine	High Density Sapling	11.8	7		cut in 2007
73	6120 - Lowland Cedar	High Density Pole	25.4	99		
74	42290 - Natural Mixed Pine	High Density Log	11.0	76	81-110	Red pine and jack pine on higher ridges with lowland hardwood pockets throughout.
75	6120 - Lowland Cedar	High Density Pole	20.6	99		birch and red maple along the south and aspen along the north
76	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	9.8	65	51-80	very wet in places. thick tag alder
77	42220 - Natural Jack Pine	High Density Pole	12.5	34	111-140	many low areas throughout
78	42290 - Natural Mixed Pine	High Density Pole	14.0	92	81-110	high ridges with pine and low hardwoods with standing water.
80	6124 - Lowland Spruce- Fir	High Density Pole	3.7	67		
81	4311 - Pine, Aspen Mix	High Density Sapling	11.2	7		Cut in 2007
82	6119 - Mixed Lowland Deciduous Forest	High Density Pole	21.8	84	81-110	very wet. much of the black ash is dead or dieing
84	42210 - Natural Red Pine	High Density Log	19.0	80	111-140	
85	4311 - Pine, Aspen Mix	High Density Sapling	48.5	24		
89	6112 - Lowland Aspen	High Density Pole	9.0	24		mostly low ground with a few high ridges
90	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	25.8	89		very wet



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	6229 - Mixed lowland shrub	1.9	Unspecified	Unspecified	mostly lowland shrub with leatherleaf. scattered black spruce and jack pine.
7	11 - Low Intensity Urban	9.0	Unspecified	Unspecified	railroad grade/snowmobile trail
8	11 - Low Intensity Urban	5.7	Unspecified	Unspecified	
15	11 - Low Intensity Urban	1.6	Unspecified	Unspecified	m-32
16	11 - Low Intensity Urban	5.2	Unspecified	Unspecified	indian reserve road
18	3102 - Grass	23.4	Unspecified	Unspecified	power transmission lines. mixed vegetation
45	11 - Low Intensity Urban	1.9	Unspecified	Unspecified	M-32
46	11 - Low Intensity Urban	2.0	Unspecified	Unspecified	transfer station/recycle center
47	3102 - Grass	3.4	Unspecified	Unspecified	mixed vegetation. power distribution line right off way.
48	11 - Low Intensity Urban	1.7	Unspecified	Unspecified	Alpena field office
53	3104 - Degraded	24.8	Unspecified	Unspecified	old landfill. capped with soil and grass vegetation.
56	11 - Low Intensity Urban	1.8	Unspecified	Unspecified	snowmobile trail/old railroad grade.
57	6229 - Mixed lowland shrub	12.5	Unspecified	Unspecified	
59	6229 - Mixed lowland shrub	1.9	Unspecified	Unspecified	Stand swapped from Forested to Non-Forested. tag alder
62	6229 - Mixed lowland shrub	14.7	Unspecified	Unspecified	mostly tag alder with few scattered spruce, birch, and poplar
63	6229 - Mixed lowland shrub	1.5	Unspecified	Unspecified	
66	6229 - Mixed lowland shrub	24.8	Unspecified	Unspecified	very wet with tag alder, some cedar, paper birch and dieing black ash along the edges.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
71	6229 - Mixed lowland shrub	13.0	Unspecified	Unspecified	some trees scattered along the edges and on the sound side of the stand.
79	11 - Low Intensity Urban	2.0	Unspecified	Unspecified	railroad grade/snowmobile trail
83	3102 - Grass	7.7	Unspecified	Unspecified	power transmsion line. mixed vegetation.
86	6229 - Mixed lowland shrub	1.4	Unspecified	Unspecified	
87	6229 - Mixed lowland shrub	2.9	Unspecified	Unspecified	mostly tag alder
88	6229 - Mixed lowland shrub	6.4	Unspecified	Unspecified	pocket of pine and aspen in the middle