



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54139

Entry Year 2017

Acreage: 390

County Presque Isle

Management Area: Alpena Lake Plain

Revision Date: 2015-06-18

Stand Examiner: Chad Fate

Legal Description:

T34N, R6E, Sec. 23, 24, & 36.

Identified Planning Goals:

Timber and wildlife habitat management are the main goals.

Soil and topography:

Very shallow, rocky soils; topography is mostly flat with a few low ridges.

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

This compartment is surrounded by private ownership and the main land use activities consist of hunting.

Unique Natural Features:

Limestone shelf rock emerges at the surface through out the compartment.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

Do not disturb shallow wet soils.

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 ruffed grouse, black bear, 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, 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 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 and cement products near Alpena. The Dundee Limestone is quarried five miles northwest at the Carmeuse quarry outside Rogers City. There is good potential for bedrock nonmetallic mineral production in this area. A State gravel pit is located in Section 23 (reports indicate gravel is depleted), and potential is located in sections 23 and 24. This area is located in the Niagaran reef trend and north of the Antrim Shale play. None of the state land is leased for oil and gas development, and potential appears to be limited.

Vehicle Access:

Limited by water table and rocky soils and some parcels are land locked by private property.

Survey Needs:

None

Recreational Facilities and Opportunities:

Hunting and mushrooming.

Fire Protection:

This compartment is located in the protection area of the Onaway DNR and the Posen Fire Department located in Posen. The Posen Fire Department would most likely be first on scene of any fire in the area due to their close proximity. The

Onaway DNR has a mutual aid agreement with Posen Fire Department, but does not support any GSA equipment. Access is fair due to rocky soils and a low water table.

Additional Compartment Information:

The following reports from the Inventory are attached:

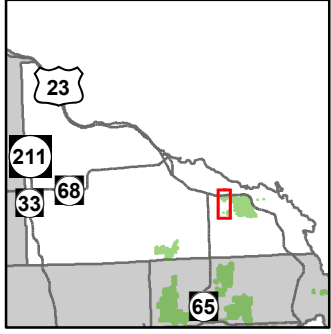
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

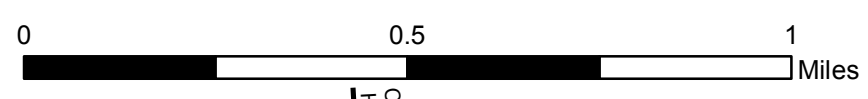
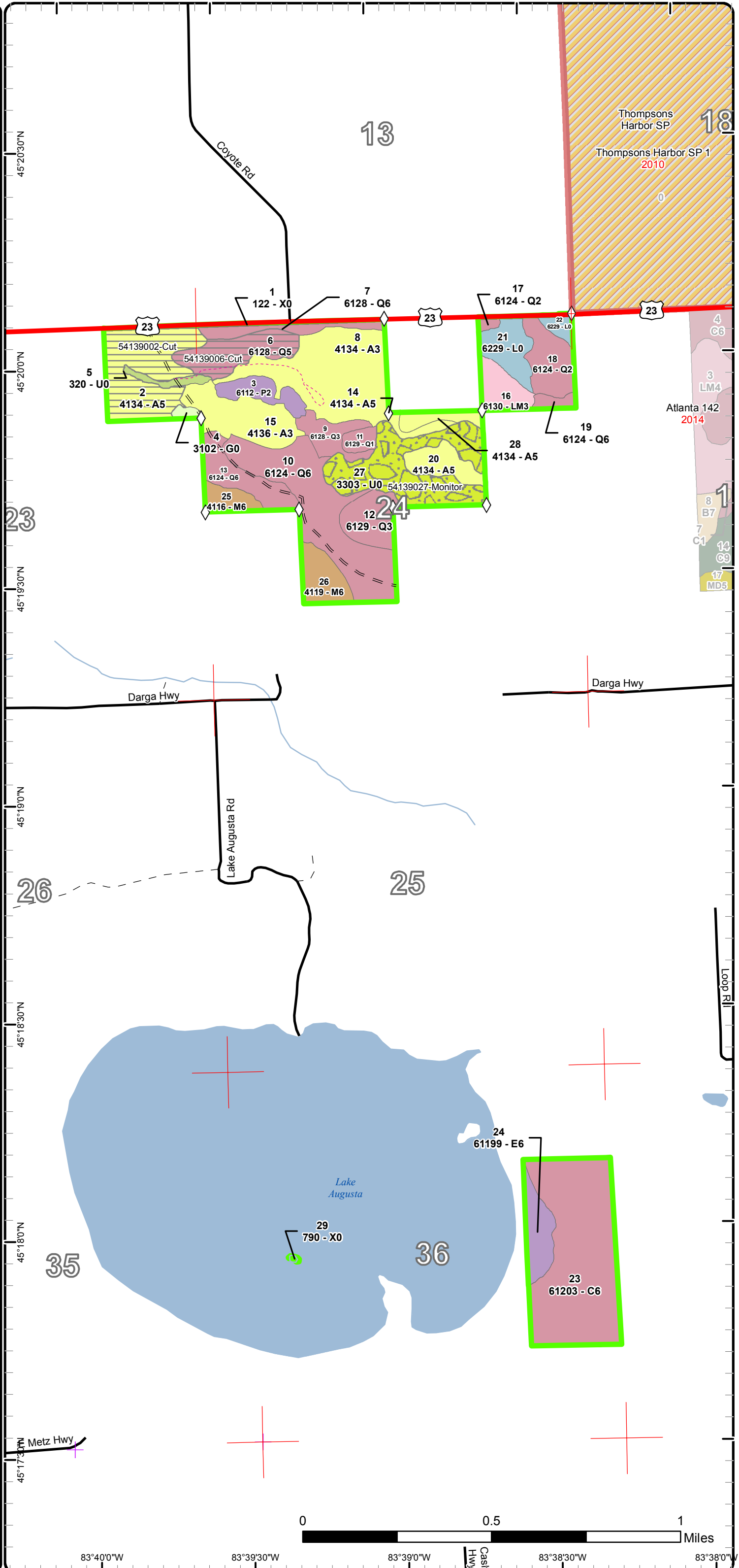
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 139
 T34N, R06E, Sec: 23, 24, 36
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Alpena Lake Plain
 YOY: 2017
 Acres: 390 GIS Calculated
 Examiner: Chad Fate
 Map Revised: 9/17/2015
 Map Phase: Post Review



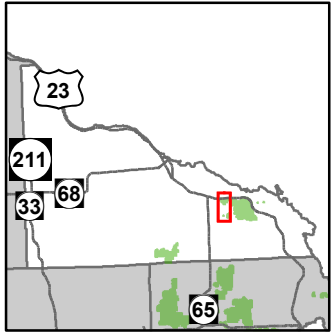
- ✚ Remonumented Section Corner
- ◇ Field Grade GPS Corners
- Miris Corners
- Highway
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Rivers
- Lakes
- Treatments**
- Clearcut (w/Reserves)
- Regeneration Survey
- Forest Covertype**
- 411 - Northern Hardwood
- 413 - Aspen
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- Non-Forest Covertype**
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 790 - Other Bare/Sparsely Vegetated



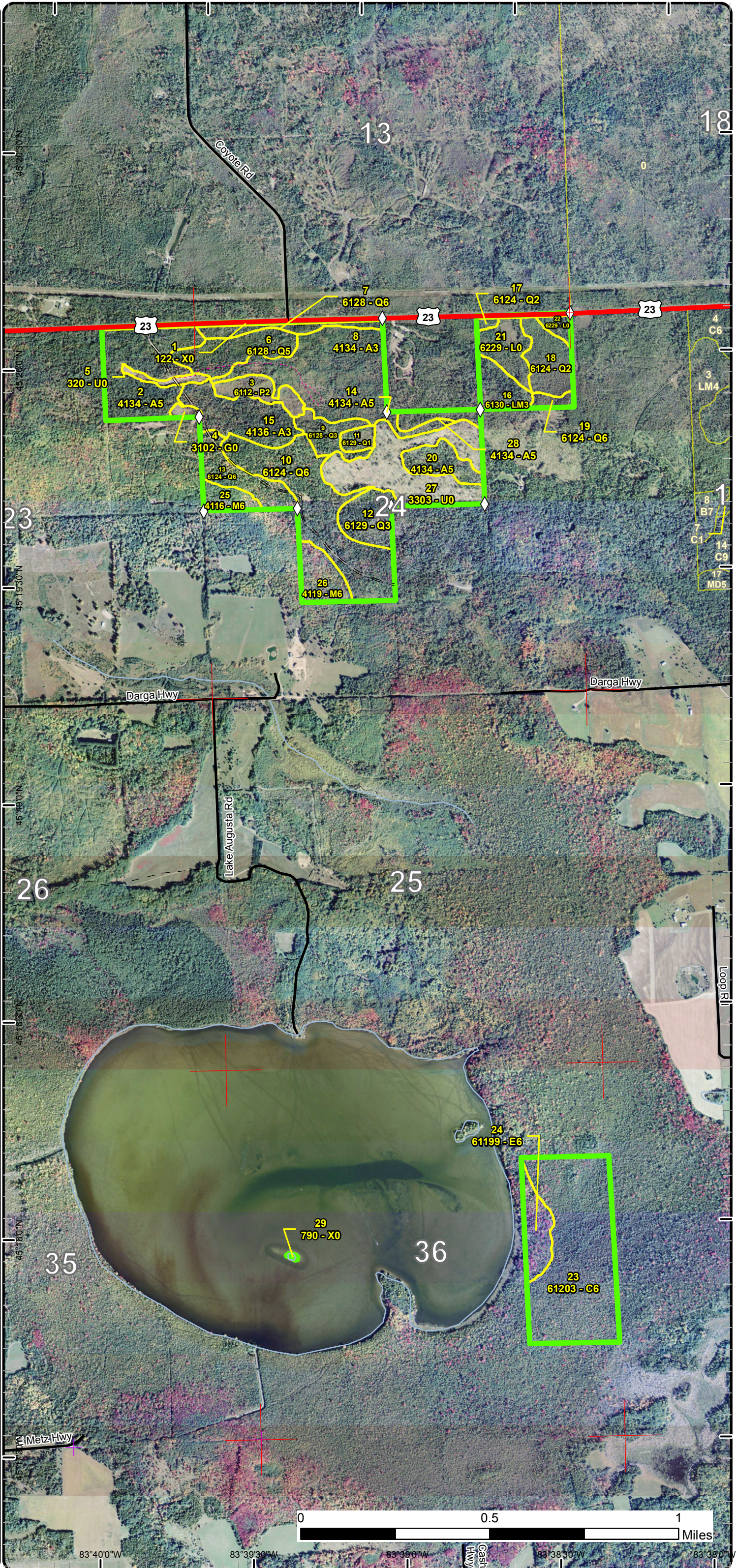
83°40'0"W 83°39'30"W 83°39'0"W 83°38'30"W 83°38'0"W

Stand Boundary Map

Compartment: 139
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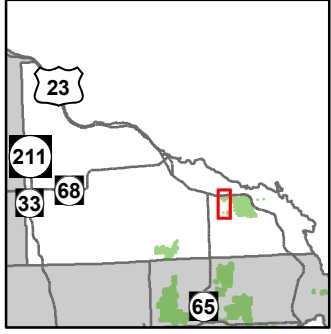


- ✚ Remonumented Section Corner
 - ◇ Field Grade GPS Corners
 - Miris Corners
 - Highway
 - Paved Roads
 - Gravel Roads
 - Poor Dirt Roads
 - Trail (Non-Recreation)
 - Rivers
 - Stand Boundaries
- Forest Coverture**
- 411 - Northern Hardwood
 - 413 - Aspen
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
- Non-Forest Coverture**
- 122 - Roads/Parking Lot
 - 310 - Herbaceous Openland
 - 320 - Upland Shrub
 - 330 - Low Density Trees
 - 622 - Lowland Shrub
 - 790 - Other Bare/Sparsely Vegetated

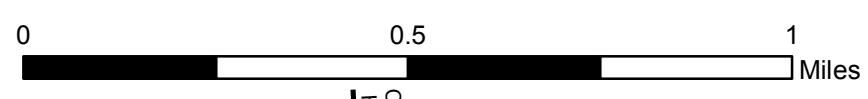
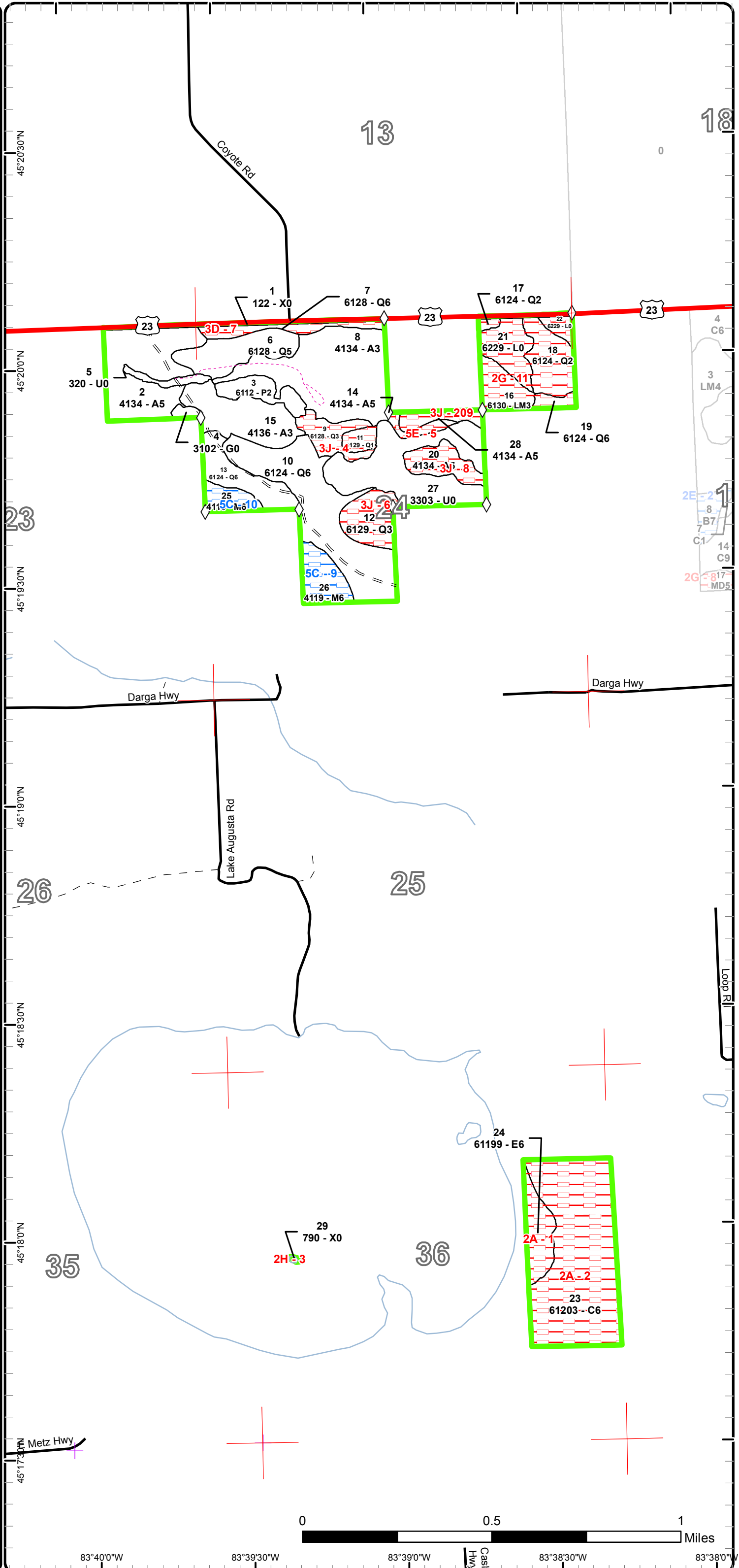


Special Conservation Areas & Site Conditions Map

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- ⊕ Remonumented Section Corner
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- Miris Corners
- Highway
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Rivers
- Stand Boundaries
- Site Condition
- Available w/ Constraints
- Unavailable
- Available Factors W/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable Factors
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3D: Recreational / Scenic values
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Special Conservation Areas



83°40'0"W 83°39'30"W 83°39'0"W 83°38'30"W 83°38'0"W

Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	0	43	0	20	0	45	3	0	0	0	0	0	0	0	0	0	111
Bare/Sparsely Vegetated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cedar	0	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	64
Herbaceous Openland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Low-Density Trees	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Lowland Aspen/Balsam Poplar	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Conifers	0	0	0	0	0	0	21	57	29	0	9	0	0	0	0	0	0	0	116
Lowland Deciduous	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	10
Lowland Mixed Forest	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	9
Lowland Shrub	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Northern Hardwood	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	16
Upland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	57	0	0	51	0	29	21	118	32	0	19	64	0	0	0	0	0	0	391



Report 2 – Treatment Summary

Atlanta Mgt. Unit
Year of Entry: 2017

Acres of Harvest

Compartment 139
Total Compartment Acres: 390

Commercial Harvest - 46
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	31	0	0	0	0	0	0	0	0	31
Lowland Conifers	15	0	0	0	0	0	0	0	0	15
Total	46	0	0	0	0	0	0	0	0	46

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	46	0	0	0	0	0	35	0	0	81
Next Step	0	0	0	0	0	0	46	0	0	46
Total	46	0	0	0	0	0	81	0	0	127



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
2	54139002-Cut	30.8	4134 - Aspen, Spruce/Fir	Poletimber Medium	61	51-80	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Clearcut, cut all trees 2" DBH or larger. Use grouse log specs. Focus 3-10% retention islands on north end of the stand along M-23.
Specs:

Next Step
Treatments:

Acceptable At least a medium stocked stand of aspen with mixed lowland conifers. Poor site quality and very rocky soils.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

6	54139006-Cut	15.4	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	78	51-80	Harvest	Clearcut with Retention	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription clearcut, leave 3-10% retention in 1 island. cut all trees 2" DBH and larger.
Specs:

Next Step
Treatments:

Acceptable medium to well stocked stand of lowland conifers and mixed deciduous including balsam fir, black spruce, cedar, aspen, and birch.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

27	54139027- Monitor	34.6	3303 - Mixed Low Density Trees	Nonstocked	0	Unspec ified	Monitoring	Natural Regen (Re-Inventory)	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Check regen in 2019
Specs:

Next Step
Treatments:

Acceptable Aspen with mixed deciduous and a mix of spruce/fir
Regen:

Other Sale was cut in 2014 # 54-071-11-01, regen was short and scattered during 2015 inventory. recheck in 4 years. Old next step comments:
Comment:

Proposed Start Date: 10/1 /2018

**Total Treatment
Acreage Proposed: 80.7**

Report 5 – Site Conditions

Atlanta Mgt. Unit
Chad Fate : Examiner

Compartment: 139
Year of Entry: 2017

Availability for Management

Total	Acres	Acres Avail	Acres
Acres	Available	<i>With Condition</i>	Not Available

Dominant Site Conditions

5C 2A 2G 2H 3D 3J 5E

110	94	0	17	Aspen	5C	2A	2G	2H	3D	3J	5E
0	0	0	0	Bare/Sparsely Vegetated				0			
64	0	0	64	Cedar		64					
1	1	0	0	Herbaceous Openland							
35	35	0	0	Low-Density Trees						0	
8	8	0	0	Lowland Aspen/Balsam Poplar							
117	71	0	46	Lowland Conifers			16		6	23	
10	0	0	10	Lowland Deciduous		10					
9	0	0	9	Lowland Mixed Forest			9				
13	0	0	13	Lowland Shrub			13				
16	0	16	0	Northern Hardwood	16						
3	3	0	0	Upland Shrub							
5	2	0	2	Urban					2		
390	213	16	161	Total Forested Acres	16	74	38	0	8	37	3
	55%	4%	41%	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
1	Unavailable	2A: Adjacent landowner denied access	10	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2A: Adjacent landowner denied access	64	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Atlanta Mgt. Unit
Chad Fate : Examiner

Compartment: 139
Year of Entry: 2017

3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	0	2A: Adjacent landowner denied access	2B: Unknown if access through adjacent landowner(s) is possible	3J: Water quality / BMPs (stream, river, or lake)	4A: No Markets Available for these Forest Products
Comments:							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	12	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	12	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3D: Recreational / Scenic values	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: vernal ponds							

Report 5 – Site Conditions

Atlanta Mgt. Unit
Chad Fate : Examiner

Compartment: 139
Year of Entry: 2017

9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	38	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
209	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: vernal ponds							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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
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Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4134 - Aspen, Spruce/Fir	Poletimber Medium	30.8	61	51-80	very rocky, thick lowland conifer understory.
6112 - Lowland Aspen	Sapling Medium	7.7	28	Immature	lowland but only wet seasonally. very rocky
6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	15.4	78	51-80	rocky poor soils mostly lowland conifer in the understory, slow growing.
6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	6.3	92	Unspecified	Very Rocky lowland and upland areas. Stand is a visual corridor along US-23.
4134 - Aspen, Spruce/Fir	Sapling Well	42.7	28	Immature	Some open rocky areas. The northern portion of the stand is thicker with conifer cover. Few lower areas and dry knolls.
6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	8.3	54	81-110	poor quality, rocky, slow growing.
6124 - Lowland Spruce- Fir	Poletimber Well	42.4	63	Unspecified	Very mixed stand. some areas of dead ash. very rocky in places. Look at possibility of cutting in 2027 YOE
6129 - Mixed Coniferous Lowland Forest	Sapling Poor	3.3	69	Unspecified	Very wet, standing water. scattered low density trees and shrubs.
6129 - Mixed Coniferous Lowland Forest	Sapling Well	11.7	61	Unspecified	wet and rocky. scattered dead ash.
6124 - Lowland Spruce- Fir	Poletimber Well	12.9	56	Unspecified	consider cutting in 10 years.
4134 - Aspen, Spruce/Fir	Poletimber Medium	2.9	77	51-80	Originally part of the parent stand 27 which was cut in 2014. Long Term Retention. Low spots w/ standing water, rocky soil.
4136 - Aspen, Mixed Conifer	Sapling Well	20.0	47	Unspecified	very rocky soil. some open areas. North and East edges have more lowland conifer
6130 - Fir, Aspen, Maple	Sapling Well	8.6	47	Unspecified	wet and rocky, tag alder on the north end.
6124 - Lowland Spruce- Fir	Sapling Medium	0.9	72	1-50	Along M-23. wet access. Slow growing trees.
6124 - Lowland Spruce- Fir	Sapling Medium	13.0	72	Unspecified	low with some tag alder. trees are slow growing.
6124 - Lowland Spruce- Fir	Poletimber Well	2.5	90	Unspecified	very wet, no access.
4134 - Aspen, Spruce/Fir	Poletimber Medium	9.1	68	Unspecified	wet with vernal ponds, rocky and some upland areas.

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Atlanta Mgt. Unit

Report 8 – Forested Stands

Compartment: 139
Year of Entry: 2017

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	61203 - Cedar (OI)	Poletimber Well	64.3	101	111-140	OPIC - FMD: SCA. OLD GROWTH POTENTIAL-BOBCAT, BEAR, EAGLE POSSIBLE-CEDAR REGEN COMMON. NO LEGAL ACCESS. Look at disposing this parcel.
24	61199 - Lowland Hardwood (OI)	Poletimber Well	10.1	91	51-80	OPIC - FMD: SCA. POTENTIAL OLD GROWTH-BOBCAT & LOON POSSIBLE. NO LEGAL ACCESS. Look at disposal of this parcel
25	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	5.6	66	81-110	Stand was prescribed last entry but a variance was granted due to small size trees. Tree sizes are still small and BA is low in most places except where aspen is present. Stand is on alvar and not ready to be thinned. Look at possibly thinning next entry.
26	4119 - Mixed Northern Hardwoods	Poletimber Well	10.0	64	51-80	Stand was prescribed last entry but a variance was granted due to small size trees. Tree sizes are still small and BA is low in most places except where aspen is present. Stand is on alvar and not ready to be thinned. BBD scale is present on all Beech trees.
28	4134 - Aspen, Spruce/Fir	Poletimber Medium	4.9	68	Unspecified	upland with lots of low areas and vernal ponds. Rocky.



Stand	Cover Type	Acres	Managed Site	General Comments:
1	122 - Road/Parking Lot	4.5	No	OPIC - FMD: ON US 23 LEAVE FOREVER. ROCKY.
4	3102 - Grass	1.5	No	OPIC - FMD: OLD BORROW PIT, VERY ROCKY, SOME CONIFER SEEDLINGS
5	320 - Upland Shrub	2.7	No	OPIC - FMD: OLD PIT MAINTAIN AS U OR G
21	6229 - Mixed lowland shrub	10.6	No	
22	6229 - Mixed lowland shrub	2.7	No	
27	3303 - Mixed Low Density Trees	34.6		Stand was cut in 2014.
29	790 - Other Bare/Sparsely Vegetate	0.2	No	Island in Lake Augusta. consider disposal. No legal access.