



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54151

Entry Year 2021

Acreage: 2,095

County Presque Isle

Management Area: Cheboygan Lake Plain

Revision Date: 2019-03-29

Stand Examiner: Ryan Zimmerman

Legal Description:

Sections 25-26 & 35-36, T35N-R3E, Presque Isle County

Identified Planning Goals:

Soil and topography:

No drilling within the compartment. There is no current mineral leasing activity in the vicinity. Oil & gas potential is considered low at this time. There is no known metallic mineral potential in this part of the state. The nearest active sand/gravel operations are located more than three miles to the southwest, and there appears to be limited sand & gravel potential within the compartment. There may be some minor limestone potential in places where the bedrock is at or near the surface. The compartment is north of the Niagaran reef trend. There has been limited oil & gas exploration in

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

The west edge of the compartment is all privately owned and as well as the NE edge. Most of the immediate land bordering the compartment is undeveloped.

Unique Natural Features:

Archeological, Historical, and Cultural Features:

There was an Archeological hit in this compartment.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

The Indian Creek runs through the SW part of the compartment and the Little Ocqueoc River runs through the NE part of the compartment.

Wildlife Habitat Considerations:

This compartment is an excellent opportunity to manage for wildlife. It is part of a multiple compartment, large scale block of public land providing contiguous wildlife pathways that are necessary for many of our large game animals such as black bear. Habitat of aspen, oak, and mixed pine provide food and cover for multiple species at a variety of age classes. We are working to maintain a good age rotation of aspen in this compartment as well as adjacent compartments. Species which benefit from our management include white-tailed deer, black bear, ruffed grouse, woodcock, and many other game and non-game species.

Mineral Resource and Development Concerns and/or Restrictions

Vehicle Access:

Very good vehicle access throughout the compartment

Survey Needs:

Recreational Facilities and Opportunities:

There is a snowmobile trail that runs through the NE part of the compartment. Lots of ORV and vehicle use in this area.

Fire Protection:

There is a fairly large component of pine here. There is a good road system throughout that makes access easy.

Additional Compartment Information:

The following reports from the Inventory are attached:

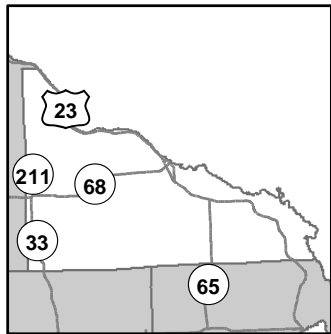
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

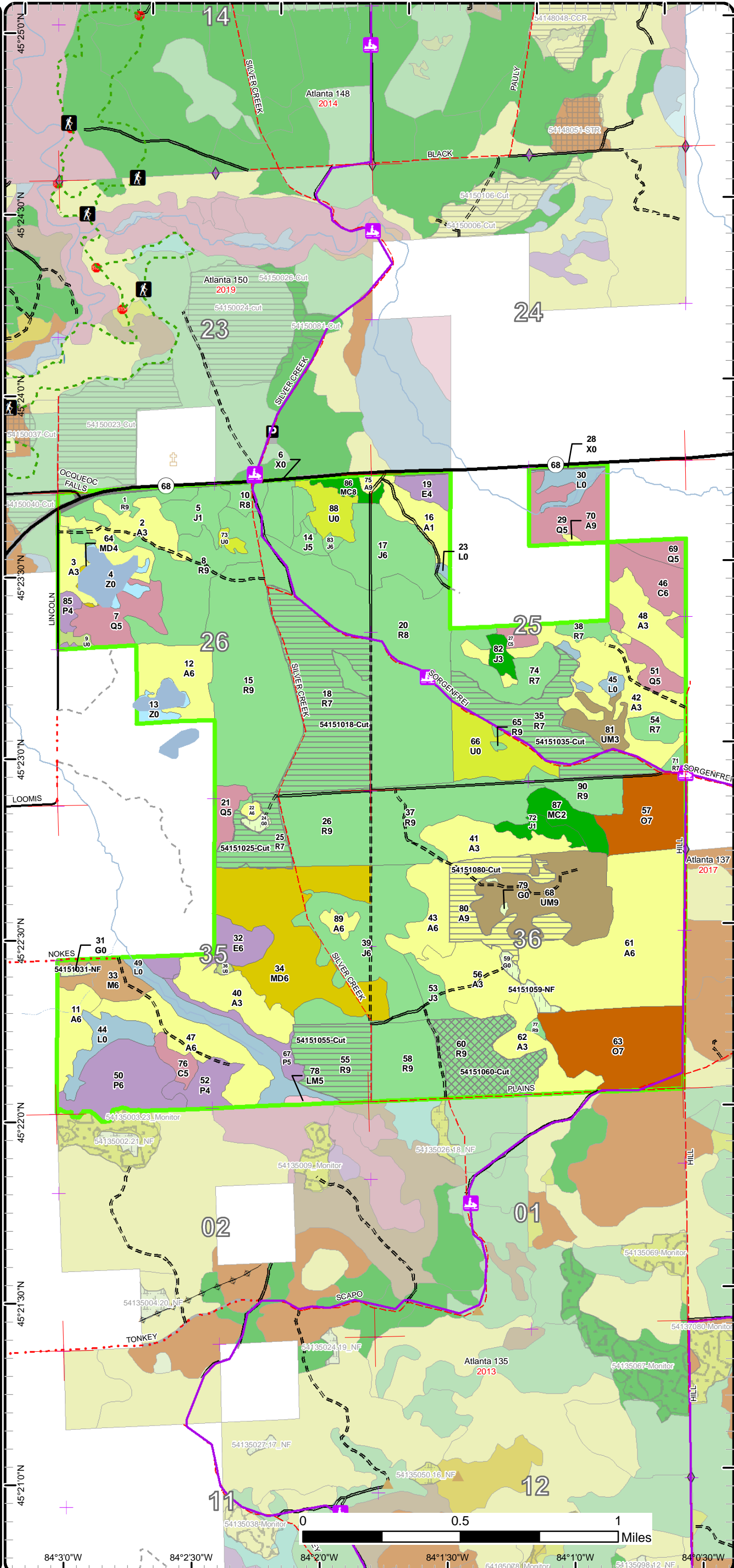
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 151
 T35N, R01E, Sec. 5, 8, 17
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Cheboygan Lake Plain
 YOE: 2021
 Acres: 2,095 GIS Calculated
 Examiner: Ryan Zimmerman
 Map Revised: 10/10/2019
 Map Phase: Post-Review

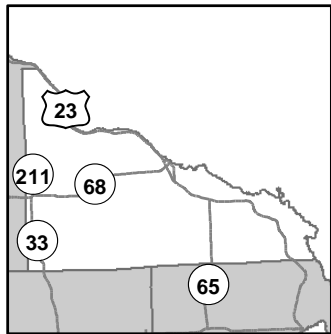


- Miris Corners
- Remonumented Section Corners
- Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
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- Lakes and Rivers All
- Cemetery
- Parking Lot
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Opening Maintenance
- 411 - Northern Hardwood
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- 310 - Herbaceous Openland
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- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- Lakes

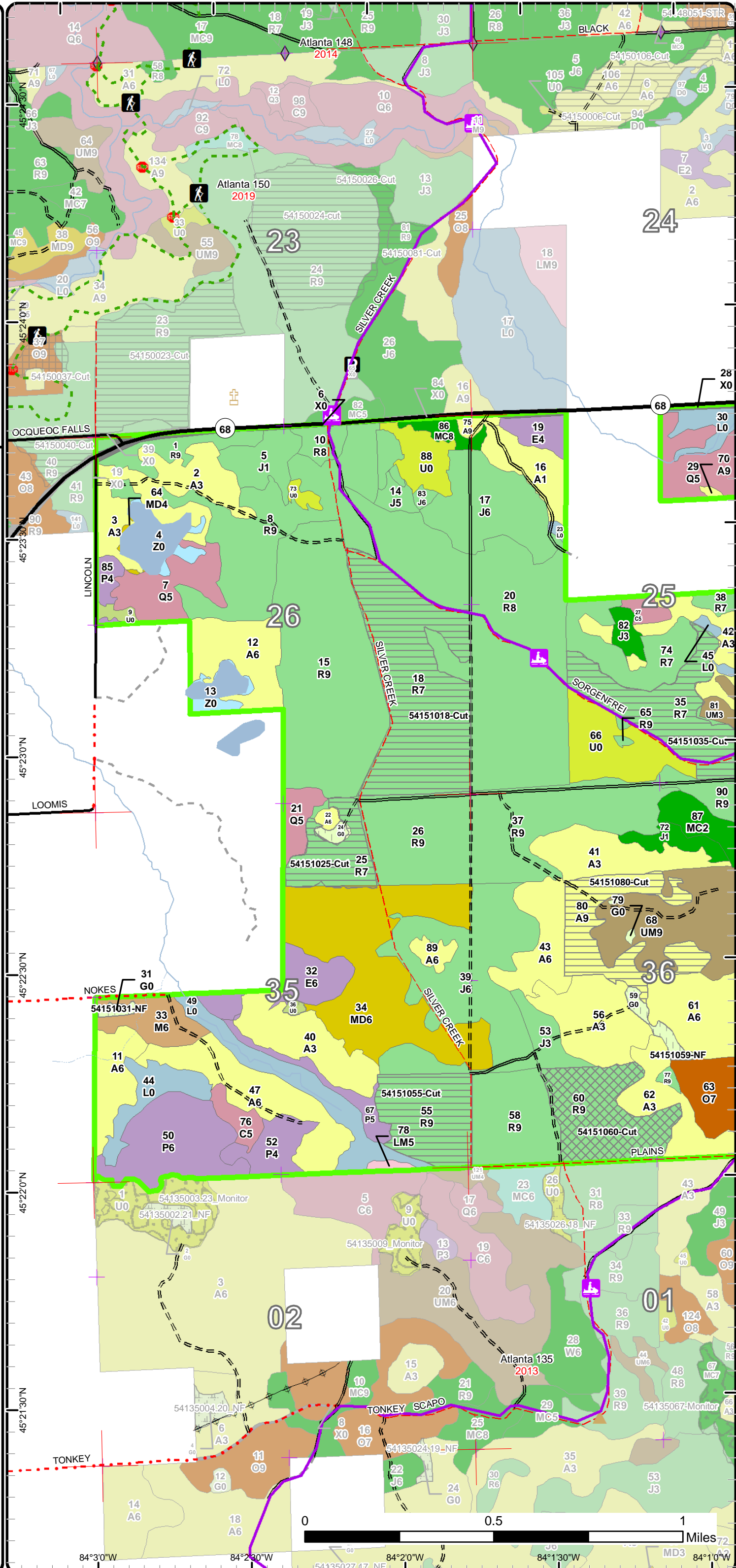


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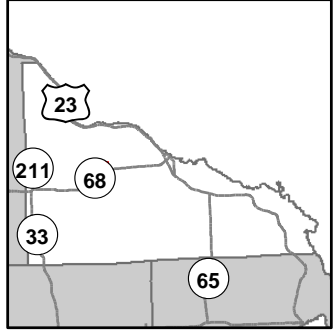


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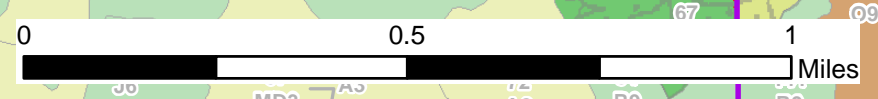
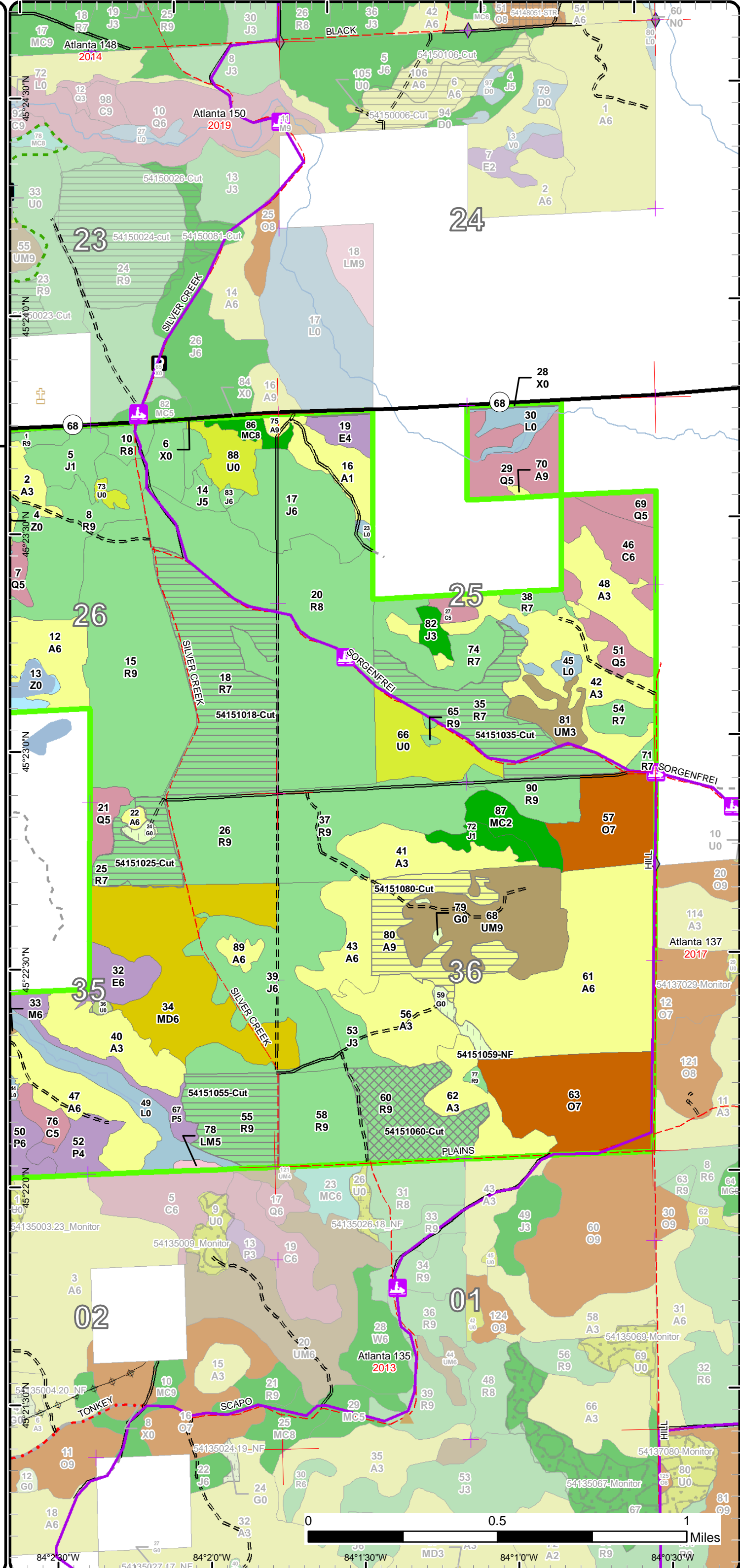


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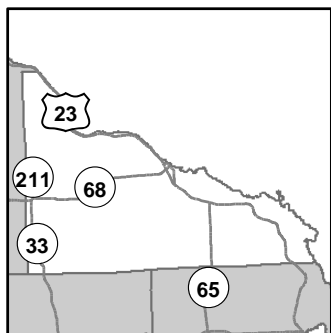
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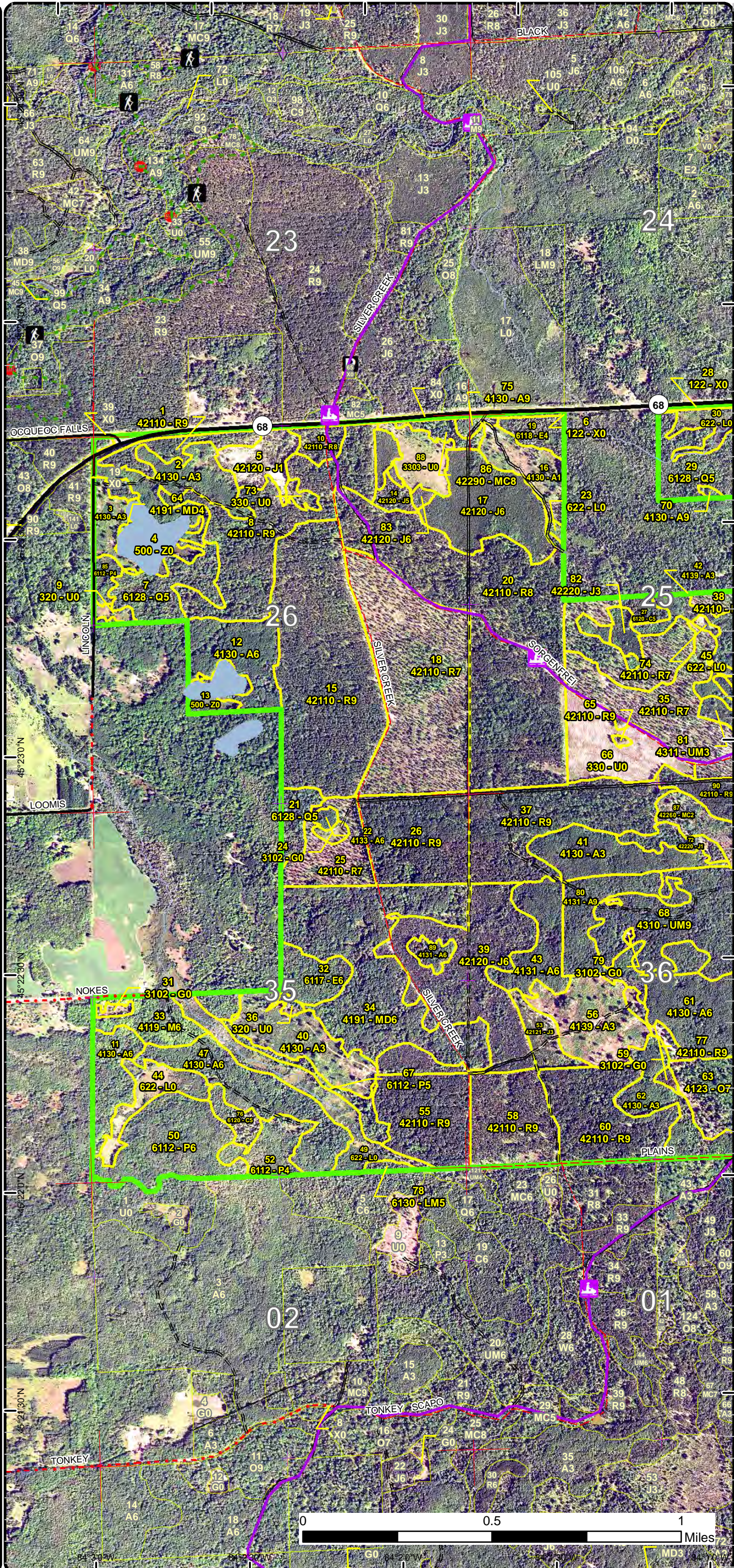
84°2'30"W 84°2'0"W 84°1'30"W 84°1'0"W 84°0'30"W

Stand Boundary Map

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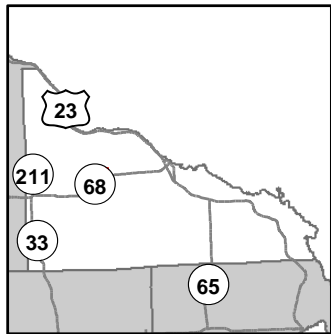


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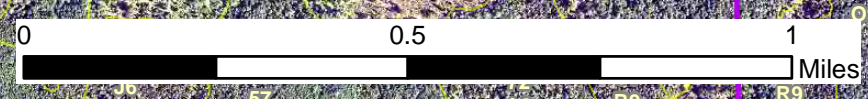
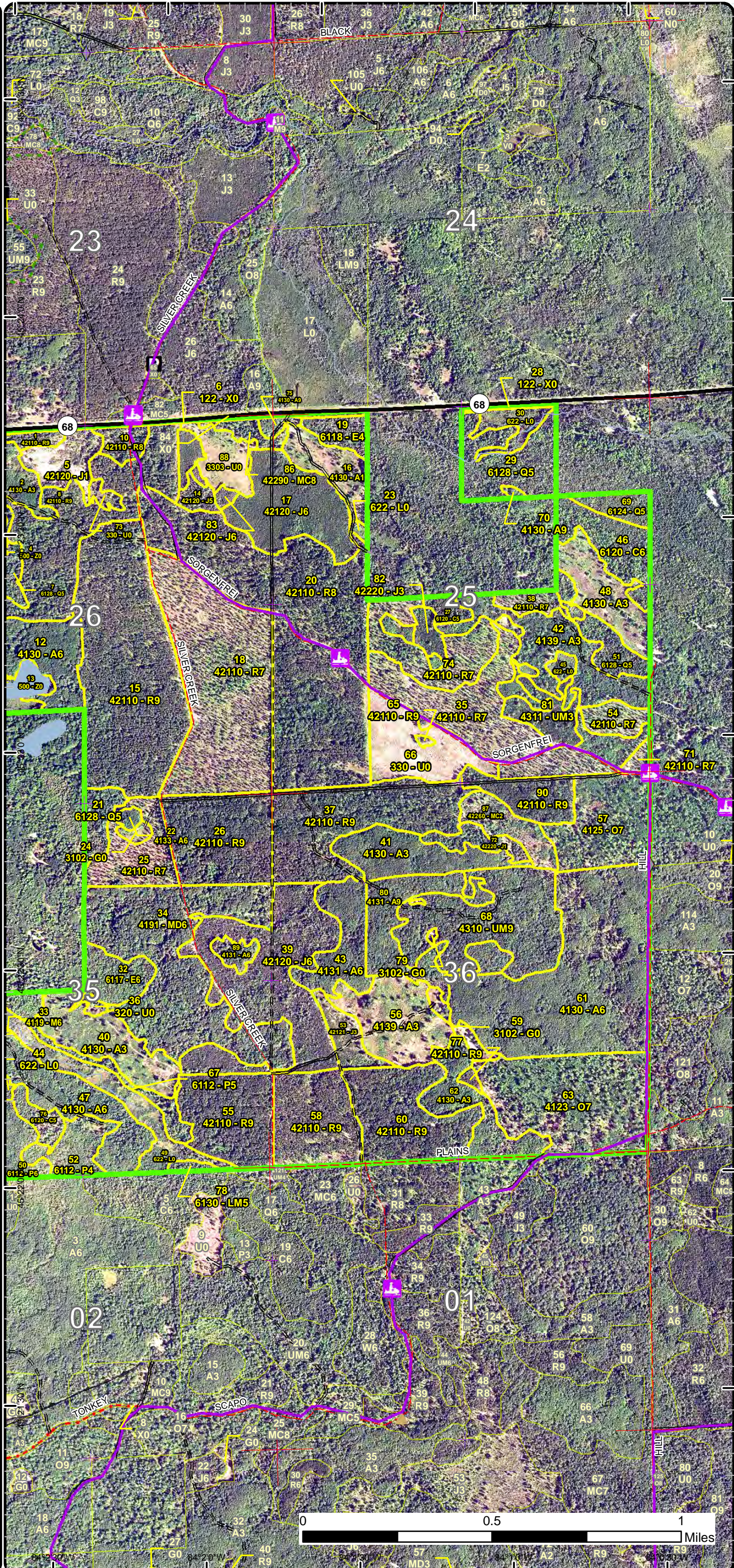


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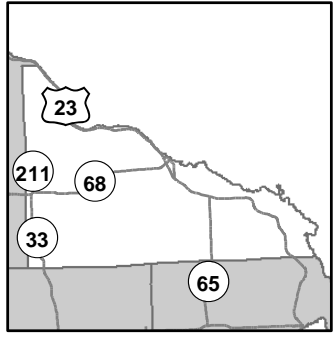


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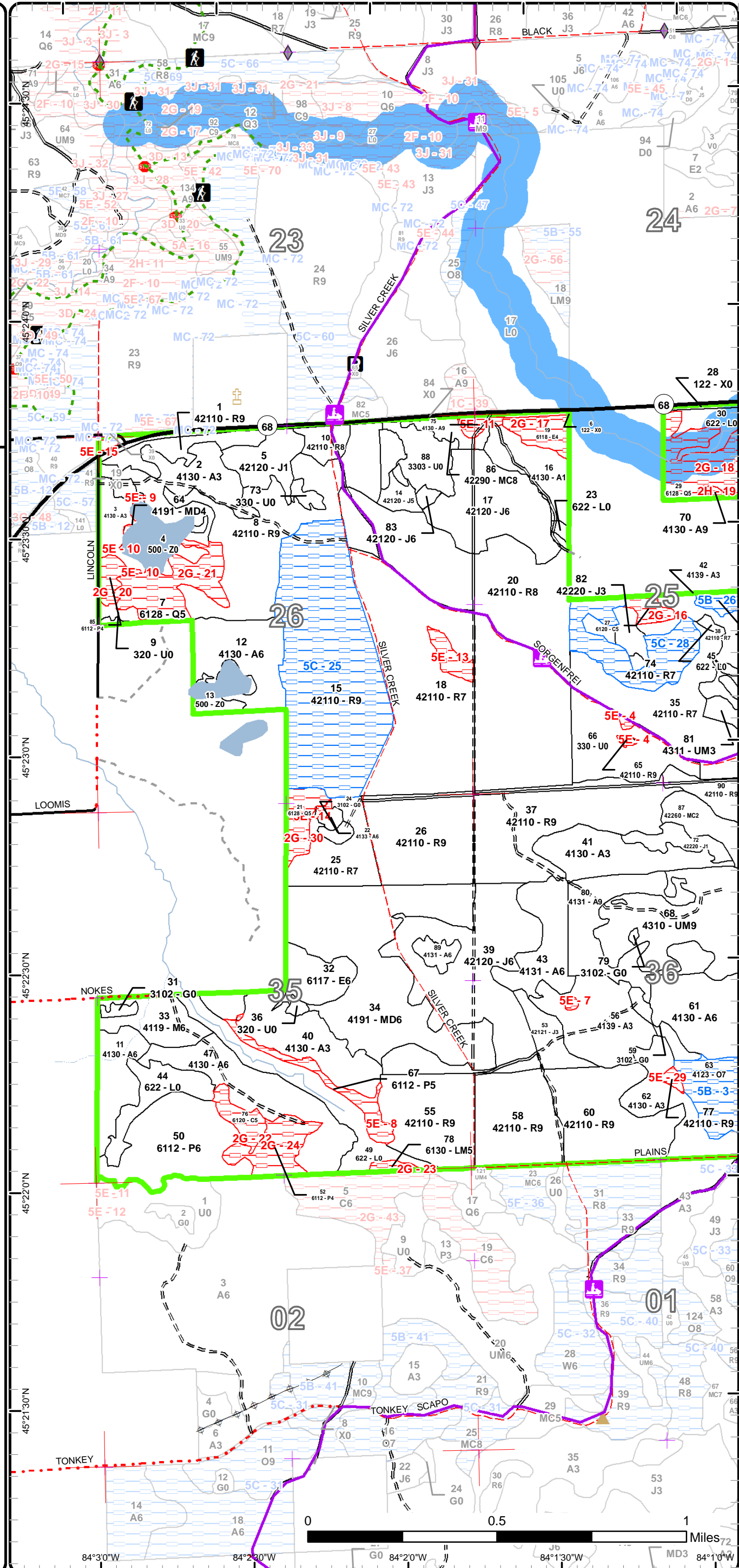


Special Conservation Areas & Site Conditions Map

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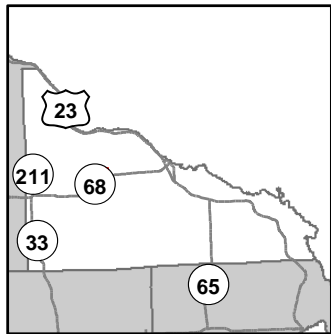


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- Available w/ Constraints
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- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer

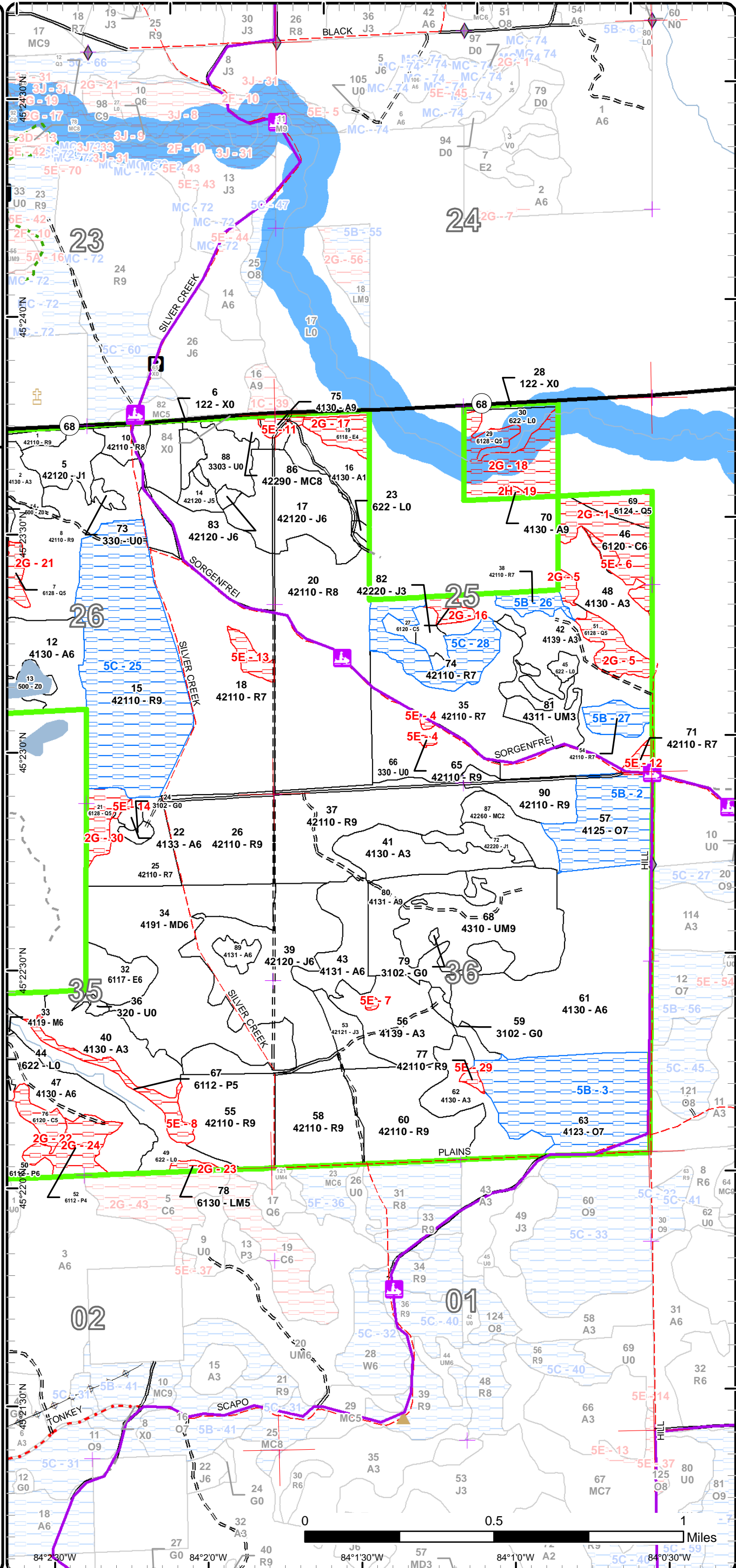


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Report 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit

Compartment 151 Year of Entry 2021

Ryan Zimmerman : Examiner



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	112	0	130	174	51	1	36	0	0	0	0	0	0	0	0	0	0	503
Cedar	0	0	0	0	0	0	0	0	0	22	11	0	0	0	0	0	0	0	33
Herbaceous Openland	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Jack Pine	0	0	10	72	74	0	7	0	0	0	0	0	0	0	0	0	0	0	162
Low-Density Trees	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Lowland Aspen/Balsam Poplar	0	0	0	0	40	0	0	15	14	0	0	0	0	0	0	0	0	0	69
Lowland Conifers	0	0	0	0	0	0	45	0	0	0	0	35	0	0	0	0	0	0	80
Lowland Deciduous	0	0	0	0	0	18	0	9	0	0	0	0	0	0	0	0	0	0	26
Lowland Mixed Forest	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Shrub	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
Mixed Upland Deciduous	0	0	0	0	0	91	0	1	0	0	0	0	0	0	0	0	0	0	92
Natural Mixed Pines	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	20
Northern Hardwood	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	16
Oak	0	0	0	0	0	0	0	0	0	102	0	0	0	0	0	0	0	0	102
Red Pine	0	0	0	0	0	0	0	0	773	0	0	0	0	0	0	0	0	0	773
Upland Mixed Forest	0	0	0	13	0	0	0	0	56	0	0	0	0	0	0	0	0	0	69
Upland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Urban	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Water	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Total	147	112	24	215	288	160	55	61	843	16	124	46	0	0	0	0	0	6	2094



Report 2 – Treatment Summary

Atlanta Mgt. Unit
Year of Entry: 2021

Acres of Harvest

Compartment 151
Total Compartment Acres: 2,095

Commercial Harvest - 270
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	33	0	0	0	0	0	0	0	0	33
Red Pine	195	42	0	0	0	0	0	0	0	236
Total	228	42	0	0	0	0	0	0	0	270

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	270	0	0	0	0	0	0	10		280
Next Step	0	473	150	0	0	236	506	0	0	1365
Total	270	473	150	0	0	236	506	0	10	1645



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
18	54151018-Cut	86.4	42110 - Planted Red Pine	Sawtimber Poor	78	1-50	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Two-Aged	Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clear cut with 3-10% retention; cut all trees 2" DBH and larger; chip tops and cut stumps low for site prep and planting; focus retention on oak regeneration on steep N & E aspects, especially near the eastern stand boundary, additional areas to consider include the aspen clone with hardwood associates at stand center. Requires variance.

Specs:

Variance Approved on 01/25/2017

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, (Inactive)Aerial; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable -mix of red & jack pine of medium to high stocking

Regen:

Other Percent to Treat = 100%

Comment:

Proposed Start Date: 1 /25/2017

24	54151024-NF	1.9	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Opening will be maintained on a rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices.

Specs:Next StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2020

25	54151025-Cut	21.4	42110 - Planted Red Pine	Sawtimber Poor	75	1-50	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Two-Aged	Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clear cut with reserves; cut all trees 2" DBH and larger; focus 3-10% retention in NW around aspen stand (st 22) or in SW where oak seedlings are densest (WLD prefers the oak seedling area); chip tops, leave low stump heights for site prep and planting. Requires variance.

Specs:

Variance Approved 01/25/2017

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, (Inactive)Skidder/Mechanical; Planting, Initial Plant; Monitoring, Artificial

Treatments: Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable -any mix of pine, oak and aspen of medium to high stocking

Regen:

Other Percent to Treat = 100%

Comment:

Proposed Start Date: 1 /25/2017

31	54151031-NF	1.8	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Opening will be maintained on a rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices.

Specs:Next StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2020



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
35	54151035-Cut	51.8	42110 - Planted Red Pine	Sawtimber Poor	79	1-50	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut with 3-10% retention (already delineated in the SE corner of the stand). Plant to red pine.

Specs:

Variance Approved on 01/25/2017

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, (Inactive)Skidder/Mechanical; Monitoring, Artificial
Treatments: Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Fully stocked stand of red pine.

Regen:

Other This is the failed portion of a red pine shelterwood. A variance is required for the harvest and next treatment steps.

Comment:

Proposed Start Date: 1 /25/2017

36	54151036-NF	1.3	320 - Upland Shrub	Nonstocked			Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Opening will be maintained on a rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices.

Specs:Next StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2020

55	54151055-Cut	35.3	42110 - Planted Red Pine	Sawtimber Well	77	141-170	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention. 2 inch diameter and up. 6 inch stump height. Include snowmobile trail protection spec for hauling to the north.

Specs:

Next Step SitePrep, Roller Chopping; Pesticide, Aerial - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr);

Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Fully stocked planted red pine

Regen:

Other Including roller chopping, spraying herbicide, trenching and planting in Rx

Comment:

Proposed Start Date: 10/1 /2020

59	54151059-NF	5.1	3102 - Grass	Nonstocked			Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Opening will be maintained on a rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices.

Specs:Next StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2020



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
60	54151060-Cut	41.5	42110 - Planted Red Pine	Sawtimber Well	77	171- 200	Harvest	Single Tree Selection	4211 - Planted Red Pine	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Have snowmobile trail protection spec for hauling.

Specs: Mark to thin down to 120 BA.
Include bark slip spec.

Next Step SitePrep, Roller Chopping; Pesticide, Aerial - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr);

Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Not a regeneration harvest.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

80	54151080-Cut	33.4	4131 - Aspen, Oak	Sawtimber Well	67	141- 170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention. 2 inch diameter and up harvest. Include spec 5.2.4.4 grouse logs.

Specs: Use snowmobile protection spec if hauling to the north.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of aspen, red maple or oak moderate to full stocking.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

**Total Treatment
Acreage Proposed: 279.9**

Report 4 – Site Conditions

Atlanta Mgt. Unit

Ryan Zimmerman : Examiner

Compartment: 151

Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions				
		With Condition	Not Available		5B	5C	2G	2H	5E
503	499	0	5	Aspen		0	0	1	4
33	0	0	33	Cedar			31		2
10	10	0	0	Herbaceous Openland					
162	162	0	0	Jack Pine					
45	45	0	0	Low-Density Trees					0
69	41	0	28	Lowland Aspen/Balsam Poplar			19		9
80	0	0	80	Lowland Conifers			80		0
27	18	0	9	Lowland Deciduous			8		0
2	0	0	2	Lowland Mixed Forest			2		
56	56	0	0	Lowland Shrub					
92	91	0	1	Mixed Upland Deciduous					1
20	20	0	0	Natural Mixed Pines					0
16	16	0	0	Northern Hardwood					
102	0	102	0	Oak	102				
772	614	145	12	Red Pine	14	131			12
69	69	0	0	Upland Mixed Forest					
4	4	0	0	Upland Shrub					
10	10	0	0	Urban					0
22	21	0	0	Water					0
2,095	1,677	247	170	Total Forested Acres	116	131	141	1	29
	80%	12%	8%	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	2G: Too wet (sensitive soils, does not include access issues)	28	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Ryan Zimmerman : Examiner

Compartment: 151
Year of Entry: 2021

2	Available	5B: Maintain for regeneration purposes	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5B: Maintain for regeneration purposes	66	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	10	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Ryan Zimmerman : Examiner

Compartment: 151
Year of Entry: 2021

9	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5E: Long-Term Retention	3	1C: Other dept or div proc/practices	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-term retention for what was stand 35 at the time to the West.							
13	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 40							

Report 4 – Site Conditions

Atlanta Mgt. Unit

Ryan Zimmerman : Examiner

Compartment: 151

Year of Entry: 2021

16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Surrounded by lowland. Cannot get access to small upland pocket.							
20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit

Ryan Zimmerman : Examiner

Compartment: 151

Year of Entry: 2021

21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	105	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Available	5B: Maintain for regeneration purposes	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
Variance said to leave overstory red pine and accept regeneration.							

Report 4 – Site Conditions

Atlanta Mgt. Unit

Ryan Zimmerman : Examiner

Compartment: 151

Year of Entry: 2021

27	Available	5B: Maintain for regeneration purposes	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Failed natural pine regen, change stand Management Objective per 1/25/17 rejected planting variance email. Accept natural regeneration as it is and leave stand untreated this entry.							
28	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention pocket from sale in stand 62.							
30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – 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 6 – 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	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
1	42110 - Planted Red Pine	Sawtimber Well	14.9	77	111-140	N/A	visual corridor thinned in 2004																																															
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2	4130 - Aspen	Sapling Well	29.8	27	Immature	N/A	Pockets of lowland along SW edge. Also the NE corner has an opening from landing area that did not regenerate very well.																																															
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3	4130 - Aspen	Sapling Well	10.3	4	Immature	N/A	Stand was cut in 2015. Has some overstory oak left uncut from sale. Overall good regeneration.																																															
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4	500 - Water	Nonstocked	12.7		Unspecified	No																																																
5	42120 - Planted Jack Pine	Sapling Poor	14.6	25	Immature	N/A	Old borrow pit. Very poor stocking levels.																																															
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6	122 - Road/Parking Lot	Nonstocked	8.3		Unspecified	No	M-68																																															
7	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	22.5	103	51-80	N/A	Pockets of tag scattered throughout the stand. Areas of it are very wet and inoperable.																																															
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9	320 - Upland Shrub	Nonstocked	2.5		Unspecified	No	Upland pocket with nothing growing in it besides some shrubs. Drops off fast into the lowland areas on north and east side.																																				
10	42110 - Planted Red Pine	Sawtimber Medium	6.7	77	51-80	N/A	Mixed age group stand. Looks to almost have 3 age groups possibly? Most of stand was treated in 2004. Cut remaining area and allow to regenerate naturally to mix of species. This will create a good visual buffer for upcoming treatments in next YOE.																																				
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11	4130 - Aspen	Poletimber Well	18.0	35	1-50	N/A	Stocking is slightly lower in north end where it is the most upland. Just converting into poles. Pine is in the north half of the stand.																																				
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12	4130 - Aspen	Poletimber Well	28.2	43	81-110	N/A	Oak and white pine were not cut from previous harvest. Lowland pocket just north and slightly west of stand 13. Has a large wire across a two track leading up to the private land to the west. The wire is on stand land by about 400 feet just off the northern point of stand 13. No trespassing signs are also on state land by about 30 feet or more in spots.																																				
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13	500 - Water	Nonstocked	9.2		Unspecified	No	Open water and seasonal flooding on the SW part.																																				
14	42120 - Planted Jack Pine	Poletimber Medium	4.5	57	51-80	N/A	Blow down in this stand. Poor quality pine and oak. Overstory died out and understory is taking over has canopy now.																																				
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15	42110 - Planted Red Pine	Sawtimber Well	104.9	79	81-110	N/A	-Stand burned in 2008 -Res. BA from thinning= 94 -was thinned to 90 res BA in 2014																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
16	4130 - Aspen	Sapling Poor	16.9	5	Immature	N/A	Center part of stand is not very well stocked. Rest of stand is doing okay. Moderately stocked. -Timber sale number: 54-013-11-01 -Red and white pine retained for visual; historical site near section corner protected																																						
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17	42120 - Planted Jack Pine	Poletimber Well	43.7	25	1-50	N/A	Just converting into a pole stand. Has pockets of aspen growing in center of stand running north and south just east of the 2 track running through the stand.																																						
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18	42110 - Planted Red Pine	Sawtimber Poor	92.8	78	1-50	N/A	!!Treatment sponsor forgot to add planting next step treatment. Please add this treatment when possible!! Variance for this stand was approved on 01/25/17. -thinned in 93 -burned in 2001 -Res. BA from harvest= 32 -was tree-length skid during snow-off, tops were chipped																																						
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19	6118 - Lowland Deciduous with Cedar	Poletimber Poor	8.5	68	1-50	N/A	Very wet stand with low stocking. Poor quality as well.																																						
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20	42110 - Planted Red Pine	Sawtimber Medium	140.9	77	111-140	N/A	Open pockets scattered throughout the stand with aspen growing in them. Jack pine is growing in some of the old landing areas. Stand thinned in 2004. Pocket of aspen regeneration in southwest corner of stand.																																						
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21	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	9.0	51	51-80	N/A	Very low quality stand due to poor soil. Small diameter trees for the age.																																									
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22	4133 - Aspen, Mixed Pine	Poletimber Well	1.9	37	51-80	N/A	Hold for 10 more years.																																									
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23	622 - Lowland Shrub	Nonstocked	1.1		Unspecified	No	Pocket of tag alder																																									
24	3102 - Grass	Nonstocked	2.1		Unspecified	No	Old landing location and somewhat of a frost pocket.																																									
25	42110 - Planted Red Pine	Sawtimber Poor	22.5	75	1-50	N/A	Variance for this stand was approved on 01/25/17.																																									
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26	42110 - Planted Red Pine	Sawtimber Well	42.0	77	111-140	N/A	Last thinning looked to be pretty heavy. Stand does not need any more thinning's before a restart.																																									
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27	6120 - Lowland Cedar	Poletimber Medium	4.2	104	51-80	N/A	Small stand of lowground conifer.																																									
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28	122 - Road/Parking Lot	Nonstocked	1.7		Unspecified	No	M-68																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
29	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	28.1	51	51-80	N/A	Standing water in center of stand mostly. SW and NE corners have stagnate growth on trees.																																							
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30	622 - Lowland Shrub	Nonstocked	8.9		Unspecified	No																																								
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31	3102 - Grass	Nonstocked	1.8		Unspecified	No	Old landing location possibly.																																							
32	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	18.3	46	51-80	N/A	Northern part of the stand on the east island has some upland traits. This is where the beech saplings were found. Otherwise the stand is very wet.																																							
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33	4119 - Mixed Northern Hardwoods	Poletimber Well	16.3	87	81-110	N/A	Aspen is mostly located in the NE part of the stand.																																							
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34	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	91.2	49	81-110	N/A	Pines are in pockets and few large pine that were left from harvest 49 years ago.																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
35	42110 - Planted Red Pine	Sawtimber Poor	52.8	79	1-50	N/A	Variance for this stand was approved on 01/25/17.																																			
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36	320 - Upland Shrub	Nonstocked	1.3		Unspecified	No	Open pocket more of a frost pocket area.																																			
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37	42110 - Planted Red Pine	Sawtimber Well	56.7	77	141-170	N/A	Stocking is variable as well as tree size. Red pine looked to be slightly smaller in the western part of stand. 5-6 sticks tall																																			
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38	42110 - Planted Red Pine	Sawtimber Poor	6.0	79	1-50	N/A	Variance for this stand was approved on 01/25/17. Remaining overstory red pine to remain while accepting current regeneration of aspen covering 60-80% of the stand with the balance in jack pine.																																			
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39	42120 - Planted Jack Pine	Poletimber Well	73.7	36	51-80	N/A	Pockets that were not planted are dominated by aspen. Some overstory red pine and oak left from harvest.																																			
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40	4130 - Aspen	Sapling Well	29.2	6	Immature	N/A	Good regeneration. Some oak were left in the overstory from harvest.																																			
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41	4130 - Aspen	Sapling Well	26.1	26	1-50	N/A	scattered R and J Pine. Good mix of species.																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
42	4139 - Aspen, Mixed Deciduous	Sapling Well	51.2	26	Immature	N/A	Mostly upland with spots of lowland along edge of stand.																																					
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Balsam Fir	7	Sapling	2																																									
43	4131 - Aspen, Oak	Poletimber Well	22.8	46	51-80	N/A	Oak is larger diameter than aspen. Hold for 10 more years before harvesting.																																					
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44	622 - Lowland Shrub	Nonstocked	14.8		Unspecified	No	Lowland pocket with tag alder in the eastern finger.																																					
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45	622 - Lowland Shrub	Nonstocked	4.8		Unspecified	No	Lowland pockets of water.																																					
46	6120 - Lowland Cedar	Poletimber Well	21.9	97	51-80	N/A	Small upland pocket on south edge has more diversity than rest of stand. Overall very wet.																																					
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47	4130 - Aspen	Poletimber Well	37.6	35	1-50	N/A	Small pocket of mature aspen on east edge along creek corridor. Lowland pocket in southern part of the stand. This is where the balsam is found.																																					
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48	4130 - Aspen	Sapling Well	23.3	5	Immature	N/A	Center of stand has a low area that runs NW to SE. This is where the white pine and most of the oak was left from sale. Regenerating very well. Cut in 2014.																																					
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49	622 - Lowland Shrub	Nonstocked	25.9		Unspecified	No	Lowland drainage area.																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
50	6112 - Lowland Aspen	Poletimber Well	40.2	35	1-50	N/A	Just converting into pole size.																																									
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51	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	12.8	105	51-80	N/A	Some areas have spotty stocking levels. Very wet with flowing water on south edge.																																									
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52	6112 - Lowland Aspen	Poletimber Poor	14.3	70	81-110	N/A	Very wet area except an open upland pocket to the north. Stagnate growth. Hard to count rings on aspen, but close to 70. Ash is all dead.																																									
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53	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	10.1	10	Immature	N/A																																										
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54	42110 - Planted Red Pine	Sawtimber Poor	8.4	79	1-50	N/A	Proposed treatment dropped for current entry 01/25/17.																																									
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55	42110 - Planted Red Pine	Sawtimber Well	35.3	77	141-170	N/A	Part of the stand used to have understory burns done.																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
56	4139 - Aspen, Mixed Deciduous	Sapling Well	31.7	6	Immature	N/A	Rolling terrain with some overstory oak left from the sale that was cut in 9/2013.		
Canopy Species		% Cover	Size Class	DBH	Age				
Bigtooth Aspen		50	Sapling	1	6				
Red Maple		30	Sapling	1					
Black/Red (Hybrid) Oak		17	Sapling	1					
57	4125 - Black, N. Pin Oak	Sawtimber Poor	36.5	91	1-50	N/A	Pine regen are in pockets not really scattered around.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak		100	Log	14	91	Red Maple	Medium	Variable	Sapling
						Black/Red (Hybrid) Oak	Low	Variable	Sapling
						Bigtooth Aspen	High	Variable	Sapling
						Red Pine	Low	Variable	Sapling
58	42110 - Planted Red Pine	Sawtimber Well	34.4	77	141-170	N/A	Had understory burns in past. Has very little understory growth in it. Hold ten years to break up age class. Silver Creek Burn Unit #4.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Pine		95	Log	10	77	Black/Red (Hybrid) Oak	Trace	Variable	Sapling
						Red Maple	Trace	Variable	Sapling
59	3102 - Grass	Nonstocked	5.1		Unspecified	No	Opening and old landing location.		
60	42110 - Planted Red Pine	Sawtimber Well	41.5	77	171-200	N/A	Thinned in 2004 and the oak is mainly to east.		
Canopy Species		% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Oak		10	Log	10		Red Pine	Trace	Variable	Sapling
Red Pine		90	Log	10	77	Jack Pine	Trace	Variable	Sapling
						Black/Red (Hybrid) Oak	Low	Variable	Sapling
						Red Maple	Trace	Variable	Sapling
61	4130 - Aspen	Poletimber Well	111.3	38	1-50	N/A	Very well stocked and just converting into pole size trees.		
Canopy Species		% Cover	Size Class	DBH	Age				
Bigtooth Aspen		90	Pole	6	38				
62	4130 - Aspen	Sapling Well	23.3	24	Immature	N/A	Good overall regen.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Maple		15	Sapling	3					
Red Oak		9	Sapling	3					
Bigtooth Aspen		75	Sapling	3	24				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
63	4123 - Red Oak	Sawtimber Poor	65.5	91	1-50	N/A	Cut in 2005 and left Oak in overstory.																																										
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64	4191 - Mixed Upland Deciduous with Conifer	Poletimber Poor	1.2	61	1-50	N/A	Retention area along water from sale in stand 3. Also very steep.																																										
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65	42110 - Planted Red Pine	Sawtimber Well	1.3	77	141-170	N/A	Retention from sale in stand 66. Trenched on 8/14/2104 Planted on 4/17/15 at 1,005 RP/ac with PRT 5664 1-0 stock Year 1 Survey at 930 RP/ac and 1,233 O/M Competition/ac Year 2 survey done special at 1,111 RP/ac and 1,067 O/C Competition/ac																																										
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66	330 - Low-Density Trees	Nonstocked	29.0	0	Unspecified	4211 - Planted Red Pine	Trenched on 8/14/2104 Planted on 4/17/15 at 1,005 RP/ac with PRT 5664 1-0 stock Year 1 Survey at 930 RP/ac and 1,233 O/M Competition/ac Year 2 survey done special at 1,111 RP/ac and 1,067 O/C Competition/ac Year 3 survey done 6/21/18 Red pine 1014 TPA, bigtooth aspen 14 TPA, red maple 76 TPA, cherry 72 TPA, red oak 641 TPA. Light browse. Trenches filling in.																																										
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67	6112 - Lowland Aspen	Poletimber Medium	9.5	63	51-80	N/A	Retention pocket from adjacent harvest in stand 40. Transition zone into a lowland/stream.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
68	4310 - Pine, Oak Mix	Sawtimber Well	56.3	71	111-140	N/A	Hilly area 5-7 stick tall red pine. Area recently acquired around 2015.																																												
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69	6124 - Lowland Spruce-Fir	Poletimber Medium	8.0	53	1-50	N/A	Very wet stand and poor quality. Trees are very small for the age due to poor quality soil.																																												
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70	4130 - Aspen	Sawtimber Well	0.9	58	111-140	N/A	Very small upland pocket of aspen.																																												
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71	42110 - Planted Red Pine	Sawtimber Poor	2.9	79	1-50	N/A	Retention from stand 35. Variance for this stand was approved on 01/25/17. Silver Creek Burn #3. Drop all burns for this stand. regen mainly to north																																												
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72	42220 - Natural Jack Pine	Sapling Poor	8.2	26	Unspecified	N/A	Frost pocket area. Has old landing in this stand.																																												
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73	330 - Low-Density Trees	Nonstocked	2.6	0	Unspecified	No	Failed seed tree area it looked like.																																												
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74	42110 - Planted Red Pine	Sawtimber Poor	26.1	79	1-50	N/A	Variance for this stand was approved on 01/25/17. Was part of stand 35, but left as retention from stand to treat at a later time.																																												
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75	4130 - Aspen	Sawtimber Well	2.6	67	81-110	N/A	-Retention from Timber sale number: 54-013-11-01																																												
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76	6120 - Lowland Cedar	Poletimber Medium	6.7	102	51-80	N/A	Tag alder is high in the northern part of the stand. Pockets of blow down in the southern part where it is extremely wet. Has balsam fir coming up in those pockets.																																												
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77	42110 - Planted Red Pine	Sawtimber Well	1.4	77	141-170	N/A	Retention pocket from stand 62.																																												
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78	6130 - Fir, Aspen, Maple	Poletimber Medium	2.0	51	1-50	N/A	Very wet with trees only growing on mounds.																																												
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79	3102 - Grass	Nonstocked	0.7	0	Unspecified	No	Old food plot areas for deer from previous private owner. Has deer blinds sitting on edge of openings.																																												
80	4131 - Aspen, Oak	Sawtimber Well	33.4	67	141-170	N/A	Hilly area. Has some pockets of smaller aspen. Area was recently acquired around 2015.																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
81	4311 - Pine, Aspen Mix	Sapling Well	13.0	26	Immature	N/A	Mostly a jack pine stand but has more aspen in north and fingers of stand.																																																															
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82	42220 - Natural Jack Pine	Sapling Well	5.2	26	Immature	N/A	Frost pocket area dominated by jack pine.																																																															
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83	42120 - Planted Jack Pine	Poletimber Well	2.3	57	51-80	N/A	No understory at all in this stand. Just planted jack pine in overstory.																																																															
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85	6112 - Lowland Aspen	Poletimber Poor	5.3	67	1-50	N/A	Lowland area except the southern part of the stand. Overall very low quality due to how wet the area is.																																																															
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86	42290 - Natural Mixed Pine	Sawtimber Medium	5.7	68	51-80	N/A	Multiple age classes it looks like. Has pine in overstory with aspen oak and red maple in understory. -Retention from Timber sale number: 54-013-11-01																																																															
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87	42260 - Natural Pine, Mixed Deciduous	Sapling Medium	14.4	14	Immature	N/A	Frost pocket area.																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
88	3303 - Mixed Low Density Trees	Nonstocked	13.6	0	Unspecified	42220 - Natural Jack Pine	This area only had regeneration in the north end and almost none in the south end. Very poorly stocked. Possible area for wildlife opening? -Timber sale number: 54-013-11-01 -Red and white pine retained for visual; historical site near section corner protected

89	4131 - Aspen, Oak	Poletimber Well	4.6	36	1-50	N/A	Unplanted area with overstory red oak and aspen coming up.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	30	Log	13	
Bigtooth Aspen	65	Pole	5	36

90	42110 - Planted Red Pine	Sawtimber Well	17.0	77	141-170	N/A	Hold 10 yrs for visual
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	95	Log	12	77

Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	Variable	Sapling
Red Maple	Low	Variable	Sapling