



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54090

Entry Year 2018

Acreage: 1,413

County Alpena

Management Area: Alpena Lake Plain

Revision Date: 2016-06-03

Stand Examiner: Richard Barber

Legal Description:

T30N, R08E, Sections 6, 7 and 18.

Identified Planning Goals:

Continued forest management, heavy recreation use.

Soil and topography:

The area is former lake bottom with many beach ridges. Soils are typically either sandy or mucky. Most of the compartment is wetland.

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

Property to the north and east varies from hunting, to industrial, to the south it is residential. State land surrounds the compartment with private land holdings to the east and west. The City of Alpena is 2-3 miles to the northeast.

Unique Natural Features:

Features have been reported.

Archeological, Historical, and Cultural Features:

None, although the potential is considered high.

Special Management Designations or Considerations:

This compartment is part of the Indian Reserve / Devils Lake Block Plan.

Watershed and Fisheries Considerations:

Sunset (Mud) Lake and Devils Lake are both fed by multiple small streams running through this 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 components of cedar and wetland complexes provide food and cover for multiple species during multiple seasons. We are working to maintain winter habitat and food availability in this compartment as well as adjacent compartments. Species which benefit from our management include white-tailed deer, black bear, bobcat, and many other game and non-game species.

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 Traverse is quarried for stone and both are quarried for cement products. A gravel pit is located in Sections 7 and potential is considered good in upland areas. This area has not had development for the Antrim Shale because the Antrim subcrops in this area and production is unlikely. There are no State oil and gas leases in the Compartment.

Vehicle Access:

Vehicle access north of Werth Rd. is restricted, due to the Norway Ridge Pathway. Access south of Werth Road is provided by Devils Lake Trail and the Devils Lake Loop snowmobile trail.

Survey Needs:

There appear to be few survey needs at this time.

Recreational Facilities and Opportunities:

Norway Ridge Pathway and the Devils Lake Loop both run through this compartment. There is also an old dump site that

is often used for target practice.

Fire Protection:

This compartment is located in the protection area of the Alpena DNR and Alpena Township Fire Department. The Alpena DNR has mutual aid agreements with Alpena Township Fire Department. Although access to any fire in this area is a little difficult, there have not been large fires in the past due to the timber type. Historically the fires in this pine area have been from debris burning and campfires.

Additional Compartment Information:

The following reports from the Inventory are attached:

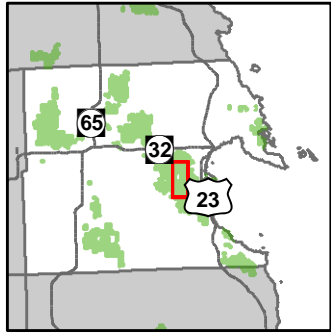
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

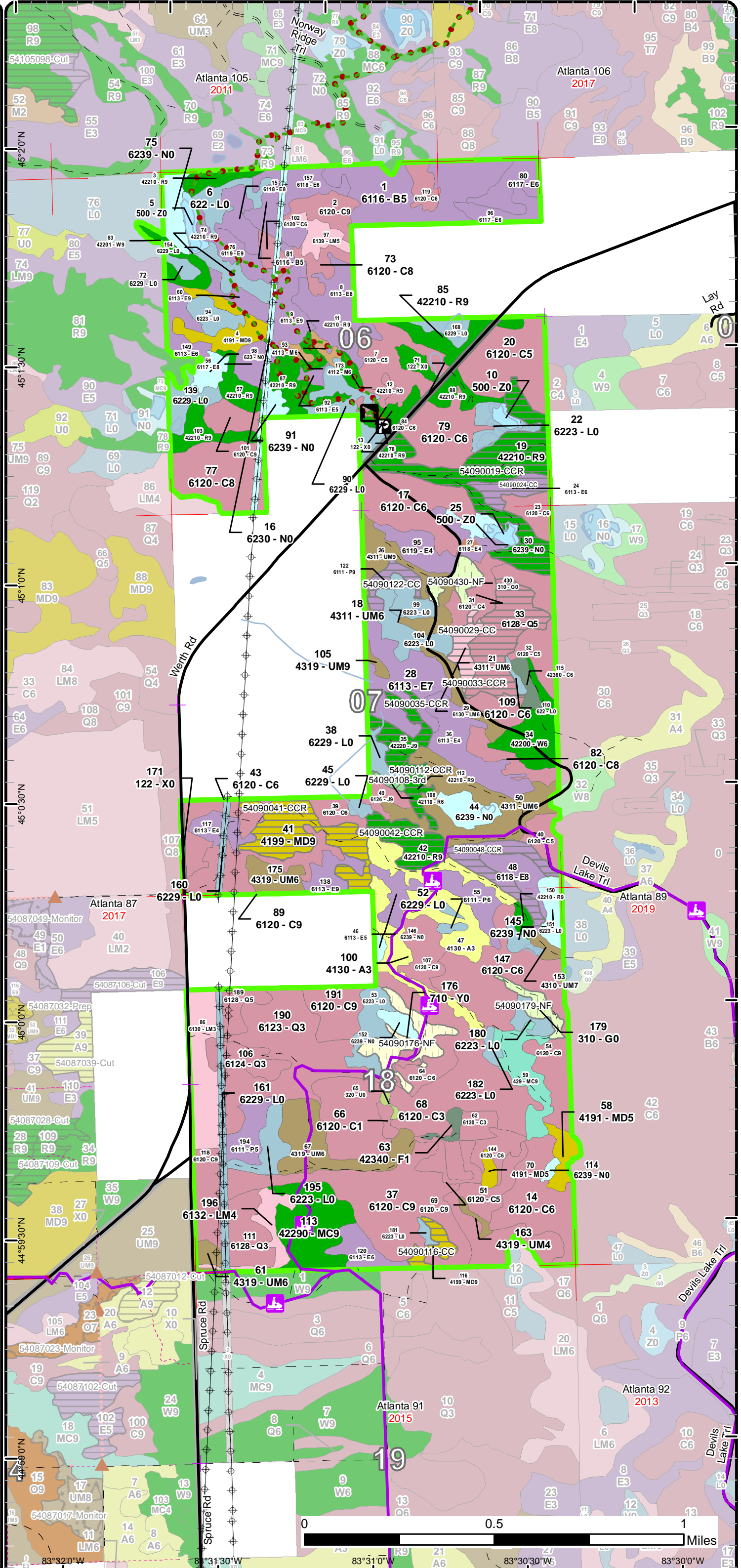
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 90
 T30N, R08E, Sec: 06, 07, 18
 County: Alpena
 Unit: Atlanta
 Mgmt Area: Alpena Lake Plain
 YOE: 2018
 Acres: 1,413 GIS Calculated
 Examiner: Richard Barber
 Map Revised: 10/6/2016
 Map Phase: Post Review

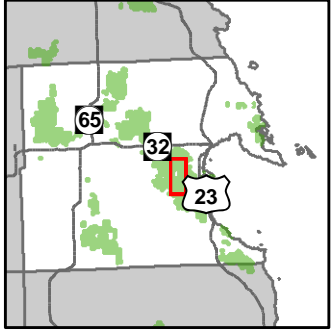


- Miris Corners
- + Remonumented Section Corners
- ▲ Berms
- ☐ Toilet
- P Parking Lot
- * Trailhead
- Snowmobile Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Equestrian Trails
- Designated Ski Trails
- Designated Snowmobile Trails
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Rivers
- Powerline
- ▭ Compartment Boundary
- ▭ Clearcut (w/Reserves)
- ▭ Opening Maintenance
- ▭ Thinning (Crown, Low, Systematic)
- ▭ 411 - Northern Hardwood
- ▭ 413 - Aspen Types
- ▭ 419 - Mixed Upland Deciduous
- ▭ 421 - Planted Pines
- ▭ 422 - Natural Pines
- ▭ 423 - Other Upland Conifers
- ▭ 429 - Mixed Upland Conifers
- ▭ 430 - Upland Mixed Forest
- ▭ 611 - Lowland Deciduous Forest
- ▭ 612 - Lowland Coniferous Forest
- ▭ 613 - Lowland Mixed Forest
- ▭ 122 - Roads/Parking Lot
- ▭ 310 - Herbaceous Openland
- ▭ 320 - Upland Shrub
- ▭ 500 - Water
- ▭ 622 - Lowland Shrub
- ▭ 623 - Emergent Wetland
- ▭ 710 - Sand/Soil
- ▭ Lakes

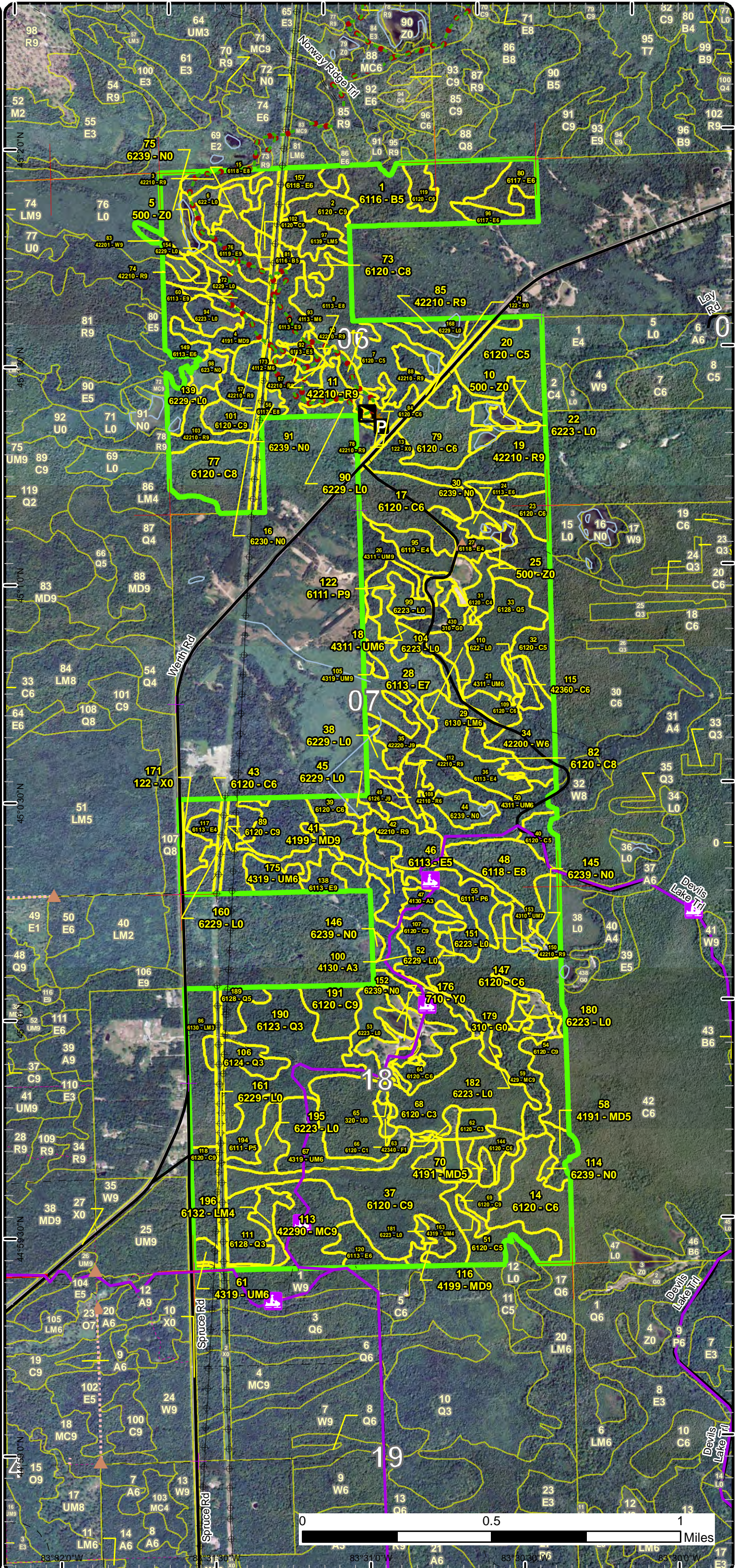


Stand Boundary Map

Compartment: 90
 T30N, R08E, Sec: 06, 07, 18
 County: Alpena
 Unit: Atlanta
 Mgmt Area: Alpena Lake Plain
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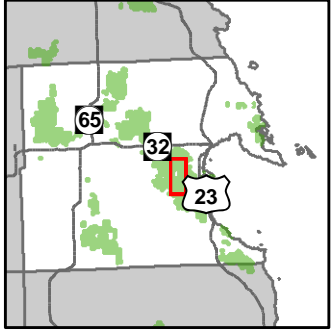


- Miris Corners
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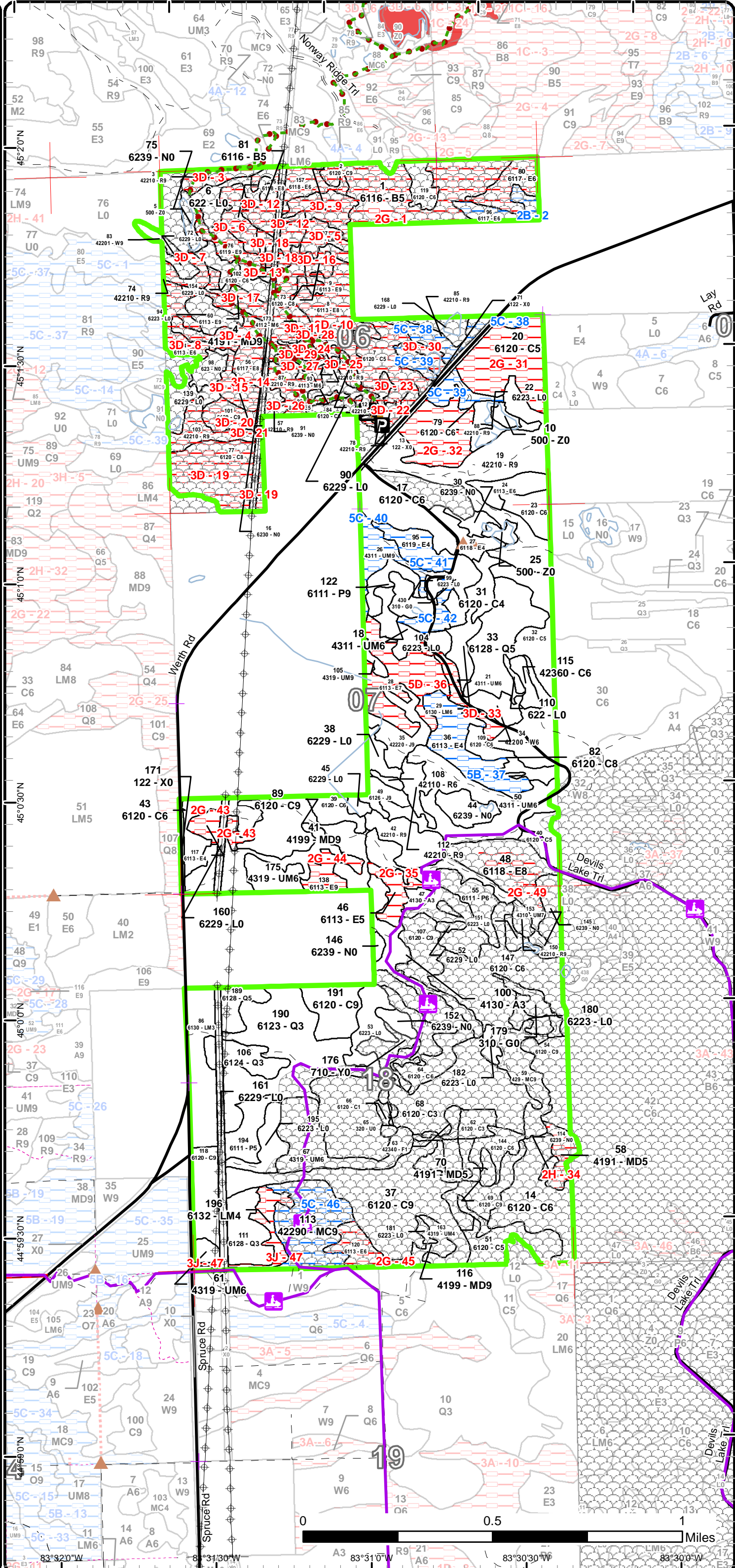


Special Conservation Areas & Site Conditions Map

Compartment: 90
 T30N, R08E, Sec: 06, 07, 18
 County: Alpena
 Unit: Atlanta
 Mgmt Area: Alpena Lake Plain
 YOE: 2018
 Acres: 1,413 GIS Calculated
 Examiner: Richard Barber
 Map Revised: 10/6/2016
 Map Phase: Post Review



- Miris Corners
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- Designated Snowmobile Trails
- Paved Roads
- County Gravel Roads
- Gravel Roads
- - - Poor Dirt Roads
- - - Trail (Non-Recreation)
- - - Closed Roads
- Rivers
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2B: Unknown if access through adjacent landowner(s) is possible
- 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)
- 3D: Recreational / Scenic values
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- Stand Boundaries
- Ecological Reference Areas





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	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Cedar	0	0	0	2	8	0	0	55	0	29	31	180	84	92	0	0	0	0	481
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	0	0	0	0	4	0	0	10	0	0	0	0	0	0	0	0	14
Lowland Aspen/Balsam Poplar	0	0	0	9	0	8	0	0	0	0	5	0	0	0	0	0	0	0	22
Lowland Conifers	0	0	0	52	0	18	0	0	0	0	22	0	0	0	0	0	0	0	92
Lowland Deciduous	0	0	0	0	6	0	0	0	0	113	57	5	7	7	0	0	0	0	195
Lowland Mixed Forest	0	0	0	18	0	0	0	0	0	19	0	0	0	0	0	0	0	0	37
Lowland Shrub	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110
Marsh	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	33	13	0	0	0	0	0	0	0	46
Natural Mixed Pines	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	24
Northern Hardwood	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Paper Birch	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	42
Red Pine	0	0	0	0	0	0	1	2	0	16	14	16	27	40	0	0	0	0	116
Sand, Soil	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Upland Conifers	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	13
Upland Mixed Forest	0	0	0	49	0	0	0	0	3	19	15	0	0	0	0	0	0	0	84
Upland Shrub	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Upland Spruce/Fir	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Urban	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Water	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
White Pine	0	0	0	0	0	0	0	0	0	14	0	0	2	0	0	0	0	0	16
Total	193	0	0	167	14	26	18	57	27	298	157	201	120	139	0	0	0	0	1415



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2018

Acres of Harvest

Compartment 90

Total Compartment Acres: 1,413

Commercial Harvest - 146
 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
Jack Pine	10	0	0	0	0	0	0	0	0	10
Lowland Aspen/Balsam Poplar	5	0	0	0	0	0	0	0	0	5
Lowland Conifers	22	0	0	0	0	0	0	0	0	22
Lowland Deciduous	19	0	0	0	0	0	0	0	0	19
Lowland Mixed Forest	6	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	28	0	0	0	0	0	0	0	0	28
Red Pine	55	0	0	0	0	1	0	0	0	57
Total	145	0	0	0	0	1	0	0	0	146

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	146	0	0	0	0	0	0	22	0	168
Next Step	0	111	55	0	0	55	201	0	0	422
Total	146	111	55	0	0	55	201	0	22	590



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
19	54090019-CCR	39.6	42210 - Natural Red Pine	Sawtimber Well	126	141-170	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the treatment's species mix as a whole. Tops must be chipped within 3 months of the parent stem's severance from the stump. Re-plant red pine.
Specs: TMS may exclude areas of high white pine regeneration.

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

Acceptable Regen: Acceptable regeneration is any combination of red pine, white pine, oak, birch, or aspen, resulting in a medium or well stocked stand incontrovertibly dominated by unsuppressed red pine.

Other Comment:

Proposed Start Date: 10/01/2017

24	54090024-CC	6.8	6113 - Lowland Maple	Poletimber Well	124	Unspecified	Harvest	Clearcut	611 - Lowland Deciduous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CC.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Acceptable regeneration is any combination of maple, birch, spruce, fir, pine or cedar resulting in a medium or well stocked stand.

Other Comment:

Proposed Start Date: 10/01/2017

29	54090029-CC	6.0	6130 - Fir, Aspen, Maple	Poletimber Well	84	Unspecified	Harvest	Clearcut	6139 - Mixed Lowland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CC.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Acceptable regeneration is any combination of maple, fir, cedar, populus, birch, spruce or pine resulting in a medium or well stocked stand.

Other Comment: Use current, standard trail specs for safety and infrastructure protection. Except by UM's permission, keep access off of snowmobile trail November 15 through April 1.

Proposed Start Date: 10/01/2017

33	54090033-CCR	22.4	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	94	Unspecified	Harvest	Clearcut with Retention	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CCR. Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Acceptable regeneration is any combination of maple, fir, cedar, tamarack, populus, birch, spruce or pine resulting in a medium or well stocked stand.

Other Comment: Use current, standard trail specs for safety and infrastructure protection. Except by UM's permission, keep access off of snowmobile trail November 15 through April 1.

Proposed Start Date: 10/01/2017



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
35	54090035-CCR	9.6	42220 - Natural Jack Pine	Sawtimber Well	86	81-110	Harvest	Clearcut with Retention	42260 - Natural Pine, Mixed Deciduous	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription CCR. Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Acceptable regeneration is any combination of pine, aspen, birch, maple, fir or spruce resulting in a medium or well stocked stand.

Other Comment: Use current, standard trail specs for safety and infrastructure protection. Except by UM's permission, keep access off of snowmobile trail November 15 through April 1.

Proposed Start Date: 10/01/2017

41	54090041-CCR	23.2	4199 - Other Mixed Upland Deciduous	Sawtimber Well	86	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CCR. Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Any combination of maple, aspen, cedar birch, fir or spruce resulting in a medium or well stocked stand.

Other Comment: Follow vernal pond guidance. Vernal ponds may occur in this stand. Vernal ponds do occur in adjacent stands.

Proposed Start Date: 10/01/2017

42	54090042-CCR	10.8	42210 - Natural Red Pine	Sawtimber Well	86	111-140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the treatment's species mix as a whole. Tops must be chipped within 3 months of the parent stem's severance from the stump. Re-plant red pine. TMS may exclude areas of high white pine regeneration.

Specs:

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

Acceptable Regen: Acceptable regeneration is any combination of red pine, white pine, oak, birch, aspen, fir, or jack pine resulting in a medium or well stocked stand incontrovertibly dominated by unsuppressed red pine. EXCEPTION: excluded areas of white pine.

Other Comment: Site prep may require thermal, chemical or mechanical methods. Use current, standard trail specs for safety and infrastructure protection. Except by UM's permission, keep access off of snowmobile trail November 15 through April 1.

Proposed Start Date: 10/01/2017

48	54090048-CCR	12.1	6118 - Lowland Deciduous with Cedar	Sawtimber Medium	86	Unspecified	Harvest	Clearcut with Retention	6118 - Lowland Deciduous with Cedar	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CCR, except cut no white-cedar. Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole. Cut around edges only. Monitor seed source and water table.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Acceptable regeneration is any combination of maple, fir, cedar, tamarack, populus, birch, spruce or pine resulting in a medium or well stocked stand.

Other Comment: Use current, standard trail specs for safety and infrastructure protection. Except by UM's permission, keep access off of snowmobile trail November 15 through April 1.

Proposed Start Date: 10/01/2017



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
108	54090108-3rd	1.2	42110 - Planted Red Pine	Poletimber Well	53	171-200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Remove every 3rd row.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Comment: Use current, standard trail specs for safety and infrastructure protection. Except by UM's permission, keep access off of snowmobile trail November 15 through April 1.

Proposed Start Date: 10/01/2017

112	54090112-CCR	4.9	42210 - Natural Red Pine	Sawtimber Well	86	111-140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the treatment's species mix as a whole. Tops must be chipped within 3 months of the parent stem's severance from the stump.

Specs: Re-Plant red pine.

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

Treatments:

Acceptable Regen: Acceptable regeneration is any combination of red pine, oak, birch, aspen, fir, jack pine, or white pine resulting in a medium or well stocked stand

incontrovertibly dominated by unsuppressed red pine. Site prep may require thermal, chemical or mechanical methods.

Other Comment: Use current, standard trail specs for safety and infrastructure protection. Except by UM's permission, keep access off of snowmobile trail November 15 through April 1.

Proposed Start Date: 10/01/2017

116	54090116-CC	4.6	4199 - Other Mixed Upland Deciduous	Sawtimber Well	94	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CC. A bridge may be required for access.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Any combination of maple, birch, fir or spruce resulting in a medium or well stocked stand.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

122	54090122-CC	5.2	6111 - Lowland Balsam Poplar	Sawtimber Well	90	Unspecified	Harvest	Clearcut	611 - Lowland Deciduous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CC.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any combination of populus, maple, birch, spruce, fir, pine or cedar resulting in a medium or well stocked stand.

Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole.

Other Comment: Use current, standard trail specs for safety and infrastructure protection. Except by UM's permission, keep access off of snowmobile trail November 15 through April 1.

Proposed Start Date: 10/01/2017



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
176	54090176-NF	11.9	710 - Sand, Soil	Nonstocked	0	Unspecified	NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Draft Field Boundary

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 Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

179	54090179-NF	4.6	310 - Herbaceous Openland	Nonstocked	0	Unspecified	NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
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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 Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

430	54090430-NF	5.5	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
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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 Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

**Total Treatment
Acreage Proposed: 168.4**

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 90
Year of Entry: 2018

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions								
		With Condition	Not Available		2B	5B	5C	2G	2H	3D	3J	5D	
35	35	0	0	Aspen									
480	372	0	108	Cedar				42		66			
10	10	0	0	Herbaceous Openland									
14	14	0	0	Jack Pine									
22	22	0	0	Lowland Aspen/Balsam Poplar									
92	92	0	0	Lowland Conifers									
193	25	33	135	Lowland Deciduous	6	18	9	49		64			22
37	24	0	13	Lowland Mixed Forest						6	7		
110	110	0	0	Lowland Shrub									
44	44	0	0	Marsh									
45	30	0	15	Mixed Upland Deciduous					6	10			
24	0	24	0	Natural Mixed Pines			24						
3	0	0	3	Northern Hardwood						3			
42	0	0	42	Paper Birch				34		8			
116	59	16	40	Red Pine			16			40			
12	12	0	0	Sand, Soil									
13	13	0	0	Upland Conifers									
84	64	14	6	Upland Mixed Forest			14			6			
1	1	0	0	Upland Shrub									
2	2	0	0	Upland Spruce/Fir									
8	8	0	0	Urban									
8	8	0	0	Water									
17	17	0	0	White Pine									
1,413	962	88	363	Total Forested Acres	6	18	64	124	6	204	7		22
	68%	6%	26%	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)	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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2	Available	2B: Unknown if access through adjacent landowner(s) is possible	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3D: Recreational / Scenic values	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3D: Recreational / Scenic values	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3D: Recreational / Scenic values	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3D: Recreational / Scenic values	7	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3D: Recreational / Scenic values	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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8	Unavailable	3D: Recreational / Scenic values	8	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	3D: Recreational / Scenic values	8	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3D: Recreational / Scenic values	18	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	3D: Recreational / Scenic values	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3D: Recreational / Scenic values	9	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3D: Recreational / Scenic values	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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14	Unavailable	3D: Recreational / Scenic values	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	3D: Recreational / Scenic values	6	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	3D: Recreational / Scenic values	5	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	3D: Recreational / Scenic values	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	3D: Recreational / Scenic values	3	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	3D: Recreational / Scenic values	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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20	Unavailable	3D: Recreational / Scenic values	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	3D: Recreational / Scenic values	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	3D: Recreational / Scenic values	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	3D: Recreational / Scenic values	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	3D: Recreational / Scenic values	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	3D: Recreational / Scenic values	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	3D: Recreational / Scenic values	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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27	Unavailable	3D: Recreational / Scenic values	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	3D: Recreational / Scenic values	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	3D: Recreational / Scenic values	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	3D: Recreational / Scenic values	17	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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33	Unavailable	3D: Recreational / Scenic values	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	5D: Unproductive Forest Land	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Available	5B: Maintain for regeneration purposes	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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39	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
43	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
44	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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45	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
47	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
49	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments: Sale area decreased to avoid excessive raising of water table.							



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
	Potential Old Growth		SCA Removal	8
Comments This area no longer meets the criteria to be classified as a Special Conservation Area.				
	Potential Old Growth		SCA Removal	341
Comments This area no longer meets the criteria to be classified as a Special Conservation Area.				
	Potential Old Growth		SCA Removal	406
Comments This area no longer meets the criteria to be classified as a Special Conservation Area.				

Mgt. Unit

Compartment:

Year of Entry



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
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Atlanta Mgt. Unit

Report 7 – Forested Stands

Compartment: 90
Year of Entry: 2018

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
6116 - Lowland Birch	Poletimber Medium	33.7	83	Unspecified	
6120 - Lowland Cedar	Sawtimber Well	8.1	114	Unspecified	
42210 - Natural Red Pine	Sawtimber Well	5.0	119	201+	
4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	9.8	82	81-110	
6120 - Lowland Cedar	Poletimber Medium	17.0	124	1-50	.age estimate based on nearby similar stands.
6113 - Lowland Maple	Sawtimber Medium	18.1	82	Unspecified	
6113 - Lowland Maple	Sawtimber Well	11.3	82	Unspecified	
42210 - Natural Red Pine	Sawtimber Well	3.2	119	111-140	
42210 - Natural Red Pine	Sawtimber Well	2.2	119	51-80	Previously thinned to reduce snow interception.
6120 - Lowland Cedar	Poletimber Well	23.3	109	Unspecified	
6118 - Lowland Deciduous with Cedar	Sawtimber Medium	7.2	89	Unspecified	
6120 - Lowland Cedar	Poletimber Well	24.3	122	111-140	
4311 - Pine, Aspen Mix	Poletimber Well	5.1	90	111-140	
42210 - Natural Red Pine	Sawtimber Well	39.6	126	141-170	
6120 - Lowland Cedar	Poletimber Medium	24.2	124	1-50	
4311 - Pine, Aspen Mix	Poletimber Well	6.2	86	81-110	
6120 - Lowland Cedar	Poletimber Well	6.6	124	Unspecified	
6113 - Lowland Maple	Poletimber Well	6.8	124	Unspecified	

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Atlanta Mgt. Unit

Report 7 – Forested Stands

Compartment: 90
Year of Entry: 2018

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4311 - Pine, Aspen Mix	Sawtimber Well	9.4	90	81-110	
6118 - Lowland Deciduous with Cedar	Poletimber Poor	5.9	38	1-50	white pine are on small upland hill.
6113 - Lowland Maple	Sawtimber Poor	22.2	99	Unspecified	mostly dead ash. Appeared to have some open water.
6130 - Fir, Aspen, Maple	Poletimber Well	6.0	84	Unspecified	
6120 - Lowland Cedar	Poletimber Poor	7.8	84	Unspecified	
6120 - Lowland Cedar	Poletimber Medium	14.5	99	51-80	
6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	22.4	94	Unspecified	free flow stream runs to the east.
42200 - Natural White Pine	Poletimber Well	14.2	86	111-140	wp run 8-30 inches; lots of 16s
42220 - Natural Jack Pine	Sawtimber Well	9.6	86	81-110	
6113 - Lowland Maple	Poletimber Poor	18.2	99	Unspecified	dead ash stand . Parts in south end are fully stacked wb 2-3" dbh.
6120 - Lowland Cedar	Sawtimber Well	46.8	109	Unspecified	a few younger areas 28-51 years old. Quite hummocky and wet in places.
6120 - Lowland Cedar	Poletimber Well	5.4	83	51-80	
6120 - Lowland Cedar	Poletimber Medium	6.3	109	Unspecified	
4199 - Other Mixed Upland Deciduous	Sawtimber Well	23.2	86	81-110	
42210 - Natural Red Pine	Sawtimber Well	10.8	86	111-140	rolling PArVHa.
6120 - Lowland Cedar	Poletimber Well	10.1	119		
6113 - Lowland Maple	Poletimber Medium	6.5	86	Unspecified	quite wet in places. Dead ash.
4130 - Aspen	Sapling Well	22.6	29	Unspecified	

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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
48	6118 - Lowland Deciduous with Cedar	Sawtimber Medium	19.3	86	Unspecified	
49	6126 - Lowland Jack Pine	Sawtimber Well	4.3	53	Unspecified	dead ash stand
50	4311 - Pine, Aspen Mix	Poletimber Well	28.5	29	81-110	
51	6120 - Lowland Cedar	Poletimber Medium	21.8	109	Unspecified	
54	6120 - Lowland Cedar	Sawtimber Well	11.4	109	Unspecified	
55	6111 - Lowland Balsam Poplar	Poletimber Well	8.6	29	Unspecified	
56	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	5.0	104	1-50	
57	42210 - Natural Red Pine	Sawtimber Well	6.0	99	201+	
58	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	5.6	94	51-80	
59	429 - Mixed Upland Conifers	Sawtimber Well	13.2	54	81-110	On a ridge.
60	6113 - Lowland Maple	Sawtimber Well	4.9	82	Unspecified	
61	4319 - Mixed Upland Forest	Poletimber Well	3.0	78	111-140	
62	6120 - Lowland Cedar	Sapling Well	8.2	31	Unspecified	
63	42340 - Upland Spruce/Fir	Sapling Poor	2.2	28	Unspecified	
64	6120 - Lowland Cedar	Poletimber Well	15.5	109	Unspecified	
66	6120 - Lowland Cedar	Sapling Poor	1.9	28	Immature	
67	4319 - Mixed Upland Forest	Poletimber Well	19.7	28	51-80	
68	6120 - Lowland Cedar	Sapling Well	54.9	64	Unspecified	dead ash stand cedar must have been hanging in understory.

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Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
6120 - Lowland Cedar	Sawtimber Well	5.1	109	Unspecified	.
4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	2.0	94	51-80	
6120 - Lowland Cedar	Sawtimber Medium	5.4	114	Unspecified	Sparse stand. Ash, 4" DBH, dead.
42210 - Natural Red Pine	Sawtimber Well	3.7	119	201+	
6119 - Mixed Lowland Deciduous Forest	Sawtimber Well	7.8	89	Unspecified	
6120 - Lowland Cedar	Sawtimber Medium	23.5	114	Unspecified	
42210 - Natural Red Pine	Sawtimber Well	4.3	119	201+	
6120 - Lowland Cedar	Poletimber Well	17.8	124	Unspecified	More open near Werth Road.
6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	8.9	83	Unspecified	OPIC - FMD: SCA, dune/swale complex, Norway Ridge Recreation Area and Devil's Lake Block Plan.
6116 - Lowland Birch	Poletimber Medium	8.5	89	Unspecified	dead ash, quite open.
6120 - Lowland Cedar	Sawtimber Medium	7.1	99	Unspecified	
42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	2.3	119	141-170	
6120 - Lowland Cedar	Poletimber Well	2.7	124	Unspecified	
42210 - Natural Red Pine	Sawtimber Well	8.1	107	81-110	
6130 - Fir, Aspen, Maple	Sapling Well	18.4	29	Immature	
42210 - Natural Red Pine	Sawtimber Well	8.4	119	141-170	
42210 - Natural Red Pine	Sawtimber Well	8.3	107	81-110	
6120 - Lowland Cedar	Sawtimber Well	15.4	83	81-110	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
92	6113 - Lowland Maple	Poletimber Medium	1.6	82	Unspecified	
93	4113 - R.Maple, Conifer	Poletimber Well	1.8	82	81-110	
95	6119 - Mixed Lowland Deciduous Forest	Poletimber Poor	8.5	90	Unspecified	dead ash
96	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	6.3	83	Unspecified	
97	6139 - Mixed Lowland Forest	Poletimber Medium	5.9	89	Unspecified	
100	4130 - Aspen	Sapling Well	12.6	29	Unspecified	
101	6120 - Lowland Cedar	Sawtimber Well	6.0	114	Unspecified	dead 5" DBH ash
102	6120 - Lowland Cedar	Poletimber Well	3.0	114	Unspecified	
103	42210 - Natural Red Pine	Sawtimber Well	7.6	99	201+	
105	4319 - Mixed Upland Forest	Sawtimber Well	1.5	86	81-110	
106	6124 - Lowland Spruce- Fir	Sapling Well	8.0	29	Immature	
107	6120 - Lowland Cedar	Sawtimber Well	10.3	109	Unspecified	
108	42110 - Planted Red Pine	Poletimber Well	1.2	53	171-200	
109	6120 - Lowland Cedar	Poletimber Well	5.5	94	Unspecified	
111	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	11.9	41		
112	42210 - Natural Red Pine	Sawtimber Well	4.9	86	111-140	
113	42290 - Natural Mixed Pine	Sawtimber Well	24.3	76	111-140	
115	42360 - Upland Cedar	Poletimber Well	3.3	94	Unspecified	barely upland.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
116	4199 - Other Mixed Upland Deciduous	Sawtimber Well	4.6	94	51-80	
117	6113 - Lowland Maple	Poletimber Poor	5.5	83	1-50	
118	6120 - Lowland Cedar	Sawtimber Well	11.1	119	Unspecified	
119	6120 - Lowland Cedar	Poletimber Well	5.0	114	Unspecified	
120	6113 - Lowland Maple	Poletimber Well	7.7	94	Unspecified	Largely a vernal pond complex with scattered hemlock.
122	6111 - Lowland Balsam Poplar	Sawtimber Well	5.2	90	Unspecified	
138	6113 - Lowland Maple	Sawtimber Well	6.3	83	1-50	very wet vernal structure
144	6120 - Lowland Cedar	Poletimber Well	6.0	109	Unspecified	
147	6120 - Lowland Cedar	Poletimber Well	33.2	109	Unspecified	
149	6113 - Lowland Maple	Poletimber Well	8.2	82	Unspecified	
150	42210 - Natural Red Pine	Sawtimber Well	2.4	67	141-170	
153	4310 - Pine, Oak Mix	Sawtimber Poor	2.0	86	1-50	
157	6118 - Lowland Deciduous with Cedar	Poletimber Well	6.7	114	Unspecified	
163	4319 - Mixed Upland Forest	Poletimber Poor	1.5	86	1-50	
173	4112 - Maple, Beech, Cherry Association	Poletimber Well	1.2	82	81-110	
175	4319 - Mixed Upland Forest	Poletimber Well	7.2	83	51-80	
189	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	5.9	41		
190	6123 - Lowland Fir	Sapling Well	43.7	28		

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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
191	6120 - Lowland Cedar	Sawtimber Well	11.5	119		
194	6111 - Lowland Balsam Poplar	Poletimber Medium	8.2	41		
196	6132 - Mixed Lowland Forest with Cedar	Poletimber Poor	6.9	86	Unspecified	free flowing stream. Mostly standing dead ash.



Stand	Cover Type	Acres	Managed Site	General Comments:
5	500 - Water	3.3	No	Known to trail users as "the beaver pond." Cattails and Z.
6	622 - Lowland Shrub	6.6	No	West part of stand is mostly wetland shrub. The east part adds some windthrow and scattered birch, maple. A free flowing stream carries part of the water from stand 5.
10	500 - Water	1.9	No	
13	122 - Road/Parking Lot	0.5	No	Norway Ridge Parking Lot
16	6230 - Cattail	9.4	No	ELECTRIC TRANSMISSION LINE R.O.W.
22	6223 - Inundated Shrub Swamp	5.4	No	OPIC - FMD: OI Stand Year Origin was
25	500 - Water	2.3	No	
30	6239 - Mixed Emergent Wetland	2.8	No	
38	6229 - Mixed lowland shrub	4.0	No	OPIC - FMD: 2000 AUTUMN OLIVE PLANTED 1984. Balsam poplar on edges,
44	6239 - Mixed Emergent Wetland	6.9	No	Lowland brush with scattered red maple. Some water.
45	6229 - Mixed lowland shrub	1.7	No	
52	6229 - Mixed lowland shrub	1.9	No	
53	6223 - Inundated Shrub Swamp	9.7	No	
65	320 - Upland Shrub	0.9	No	cut in 1984
71	122 - Road/Parking Lot	6.2	No	Werth Road.
72	6229 - Mixed lowland shrub	2.2	No	
75	6239 - Mixed Emergent Wetland	7.5	No	
90	6229 - Mixed lowland shrub	10.6	No	includes some open water.



Stand	Cover Type	Acres	Managed Site	General Comments:
91	6239 - Mixed Emergent Wetland	2.2	No	
94	6223 - Inundated Shrub Swamp	5.8	No	
98	623 - Emergent Wetland	4.2	No	swamp grass and 3" DBH dead ash. Some 12" DBH wp on hummocks.
99	6223 - Inundated Shrub Swamp	5.5	No	
104	6223 - Inundated Shrub Swamp	8.8	No	balsam poplar on edges, tag alder and dead ash otherwise.
110	622 - Lowland Shrub	1.1	No	
114	6239 - Mixed Emergent Wetland	1.0	No	
139	6229 - Mixed lowland shrub	6.9	No	includes area of water/marsh.
145	6239 - Mixed Emergent Wetland	6.2	No	
146	6239 - Mixed Emergent Wetland	1.2	No	
151	6223 - Inundated Shrub Swamp	2.7	No	open water in southeast finger.
152	6239 - Mixed Emergent Wetland	3.0	No	
154	6229 - Mixed lowland shrub	6.6	No	Tag alder with dead ash and occasional 7" DBH birch.
160	6229 - Mixed lowland shrub	2.9	No	ELECTRIC TRANSMISSION LINE R.O.W.
161	6229 - Mixed lowland shrub	9.0	No	ELECTRIC TRANSMISSION LINE R.O.W.
168	6229 - Mixed lowland shrub	4.3	No	Some open water..
171	122 - Road/Parking Lot	1.7	No	Werth Rd.
176	710 - Sand, Soil	11.9	No	ORV damage restoration project. Scattered aspen clones and large oak.



Stand	Cover Type	Acres	Managed Site	General Comments:
179	310 - Herbaceous Openland	4.6	No	scat. oak, also maple, birch and aspen..
180	6223 - Inundated Shrub Swamp	3.5	No	
181	6223 - Inundated Shrub Swamp	1.1	No	
182	6223 - Inundated Shrub Swamp	2.0	No	
195	6223 - Inundated Shrub Swamp	7.6	No	A former 100% black ash stand. Good horizontal structure.
430	310 - Herbaceous Openland	5.5	No	Informal shooting range. Sand, spotted knapweed; balsam poplar on edges.