



# Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54070

Entry Year 2023

Acreage: 1,737

County Montmorency

Management Area: Thunder Bay Outwash

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**Revision Date:** 2021-06-03

**Stand Examiner:** Richard Barber

**Legal Description:**

T32N, R3E, Sec. 6, 7 & 18

**Identified Planning Goals:**

Balance age class distribution in MA. Restore hardwood stands in southern part of compartment.

**Soil and topography:**

Soils are sandy to loamy sand in the north. In the south, soils are wet-organic, loamy sand to heavier soils on AFO habitat types. The north half is PArVHa/PArVVb habitat type; the south is wetland, PArVVb and AFO,

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

Mostly other state land. The Clear Lake KW Area borders the western edge of this compartment.

**Unique Natural Features:**

None reported, but compartment is adjacent to Kirtland's warbler management area.

**Archeological, Historical, and Cultural Features:**

None reported.

**Special Management Designations or Considerations:**

None.

**Watershed and Fisheries Considerations:**

There is a short portion of cold water stream on the east edge of the compartment.

**Wildlife Habitat Considerations:**

**Mineral Resource and Development Concerns and/or Restrictions**

No active sand/gravel pits are in the vicinity, but there appears to be some potential for sand in the compartment. The compartment lies south of the Guelph/Niagaran reef trend and north of the Antrim Shale gas play. There is no known potential for hydrocarbon production from proven formations, and there are no active State mineral leases in the compartment. The Antrim Shale is likely too thin or absent beneath the compartment. There is no known metallic mineral potential in this part of the state. The State does not own all the mineral rights within the compartment.

**Vehicle Access:**

Access is very good.

**Survey Needs:**

Survey may be needed for timber sale.

**Recreational Facilities and Opportunities:**

ORV trail and route are both present.

**Fire Protection:**

Adequate.

**Additional Compartment Information:**

**The following reports from the Inventory are attached:**

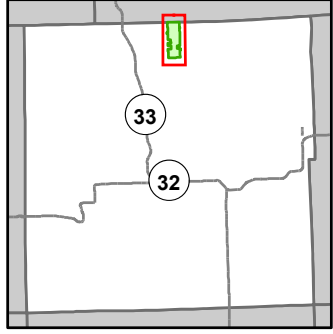
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

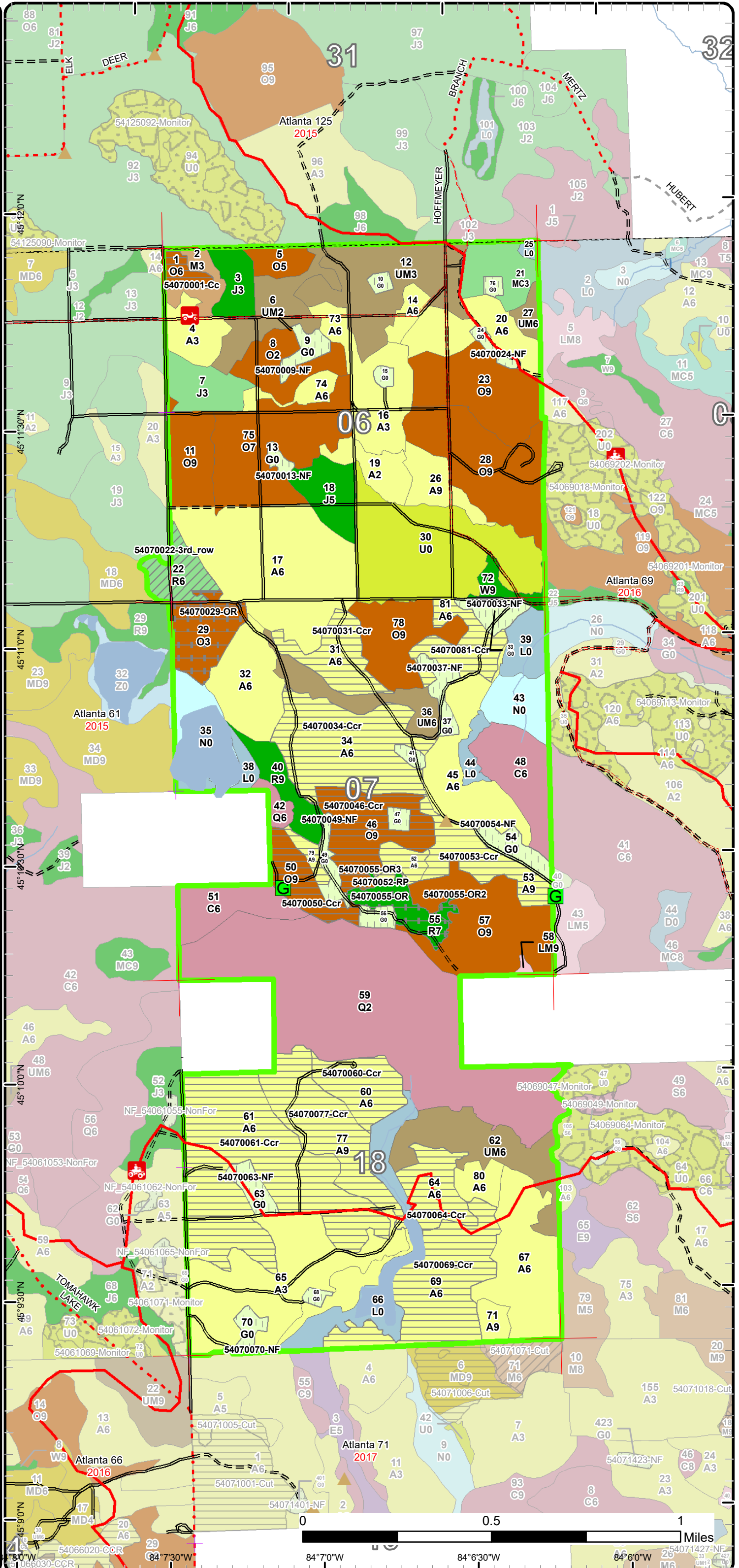
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 70  
 T32N, R03E, Sec. 6, 7, 17, 18  
 County: Montmorency  
 Unit: Atlanta  
 Mgmt Area: Thunder Bay  
 Outwash  
 YOE: 2023  
 Acres: 1737 GIS Calculated  
 Examiner: Richard Barber  
 Map Revised: 10/8/2021  
 Map Phase: Post-Review

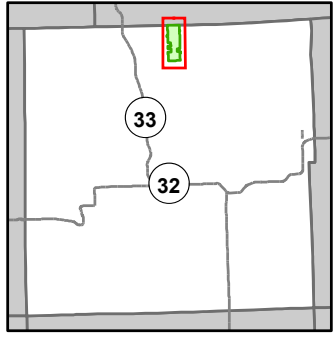


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🚙 ORV Trails
- 🚙 ORV Routes
- Designated ATV
- Designated ORV Route
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- G Gate
- Culvert
- Compartment Boundary
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Thinning (Crown, Low, Systematic)
- Opening Maintenance
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland

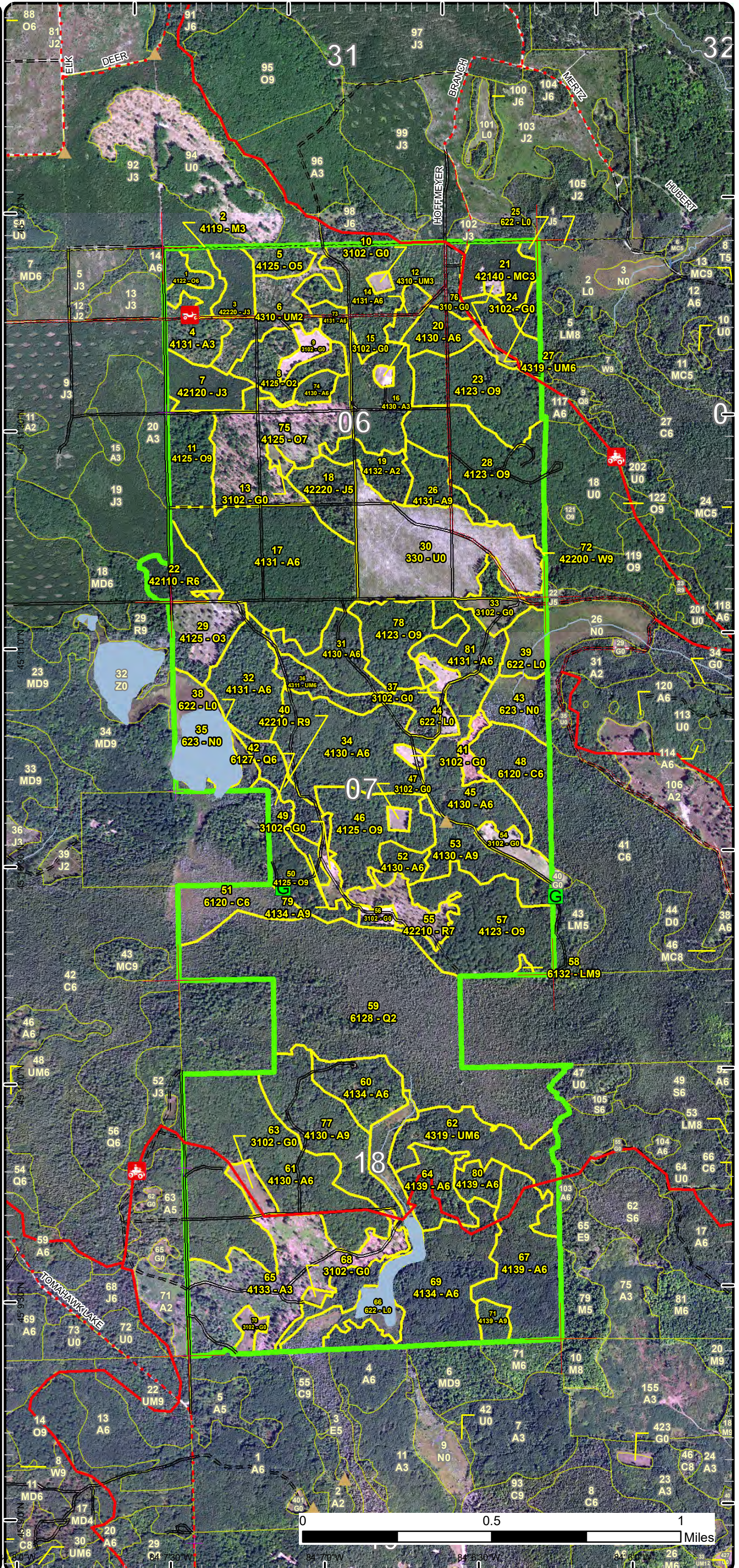


# Stand Boundary Map

Compartment: 70  
 T32N, R03E, Sec. 6, 7, 17, 18  
 County: Montmorency  
 Unit: Atlanta  
 Mgmt Area: Thunder Bay  
 Outwash  
 YOE: 2023  
 Acres: 1737 GIS Calculated  
 Examiner: Richard Barber  
 Map Revised: 10/8/2021  
 Map Phase: Post-Review

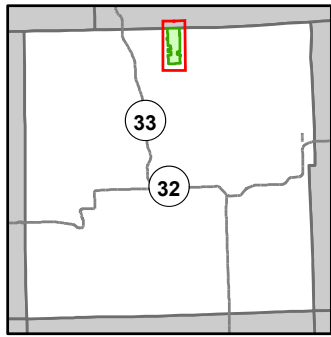


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- County - Dirt Road
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- Compartment Boundary
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- 623 - Emergent Wetland

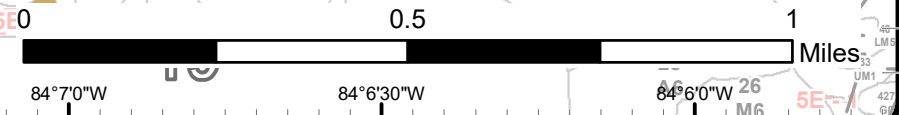
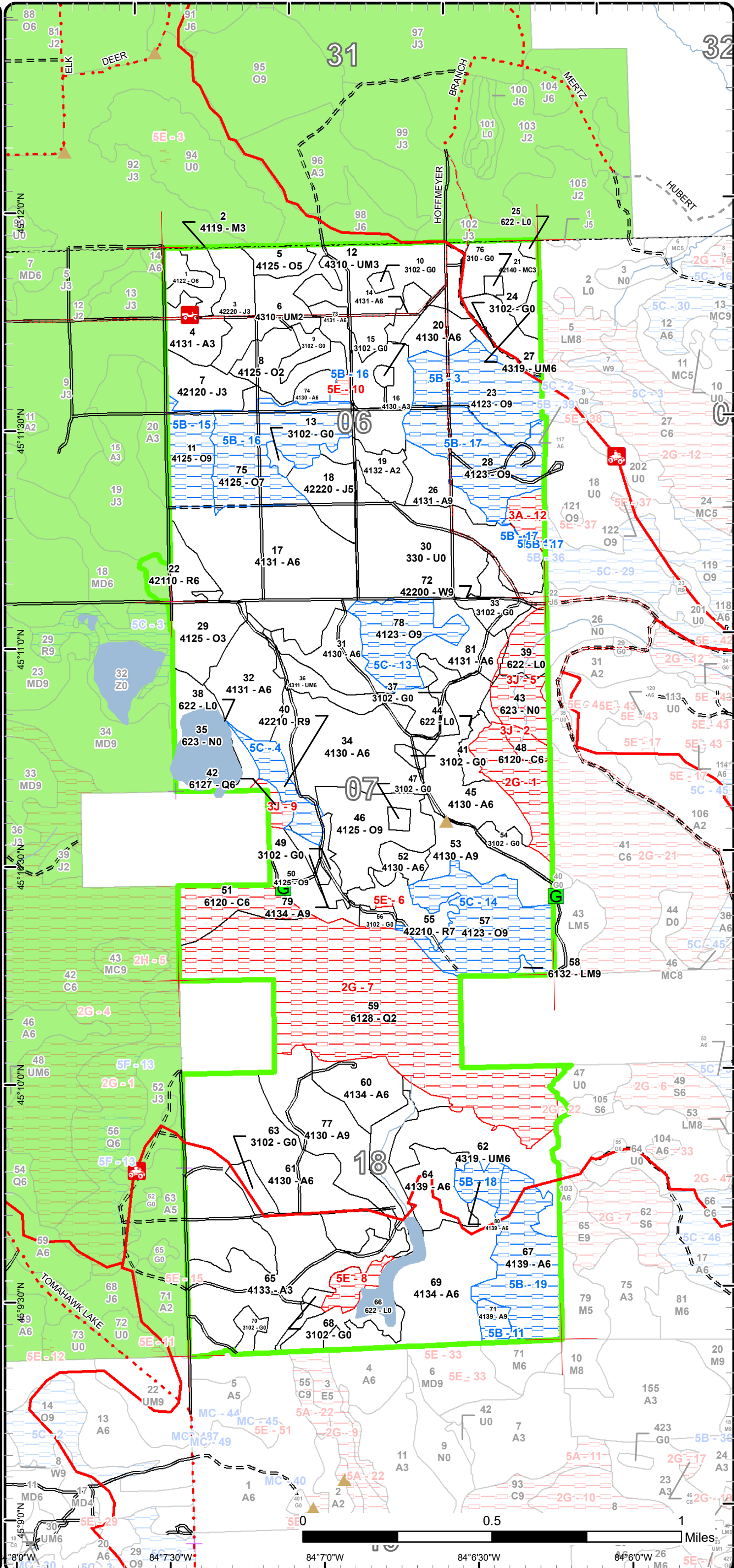


# Special Conservation Areas

Compartment: 70  
 T32N, R03E, Sec. 6, 7, 17, 18  
 County: Montmorency  
 Unit: Atlanta  
 Mgmt Area: Thunder Bay  
 Outwash  
 YOE: 2023  
 Acres: 1737 GIS Calculated  
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- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
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- Federal / State - Dirt / Gravel Road
- County - Dirt Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🚙 ORV Trails
- 🚙 ORV Routes
- Designated ATV
- - - Designated ORV Route
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- G Gate
- Culvert
- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Kirtland Warbler Habitat
- Cold Water Streams



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	65	14	56	50	519	22	0	0	0	0	0	0	0	0	0	0	0	725
Cedar	0	0	0	0	0	0	0	0	0	0	26	20	0	0	0	0	0	0	46
Herbaceous Openland	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62
Jack Pine	0	0	0	27	0	16	0	0	0	0	0	0	0	0	0	0	0	0	43
Low-Density Trees	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68
Lowland Conifers	0	0	0	0	0	0	0	167	0	0	0	0	4	0	0	0	0	0	171
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Lowland Shrub	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
Marsh	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Northern Hardwood	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Oak	0	21	18	0	8	0	0	0	0	54	47	180	0	0	0	0	0	0	328
Planted Mixed Pines	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Red Pine	0	0	0	0	14	0	0	0	0	0	14	0	13	0	0	0	0	0	41
Upland Mixed Forest	0	0	68	0	5	53	0	0	0	0	0	0	0	0	0	0	0	0	125
White Pine	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
<b>Total</b>	<b>224</b>	<b>86</b>	<b>100</b>	<b>109</b>	<b>77</b>	<b>588</b>	<b>22</b>	<b>167</b>	<b>0</b>	<b>60</b>	<b>88</b>	<b>200</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1736</b>



## Report 2 – Treatment Summary

Atlanta Mgt. Unit  
Year of Entry: 2023

Acres of Harvest

Compartment 70  
Total Compartment Acres: 1,737

Commercial Harvest - 451  
Harvests with Site Condition - 0  
Next Step Harvest - 19  
Habitat Cut - 19

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	350	0	0	0	0	0	0	0	0	350
Oak	53	0	0	0	0	21	0	0	0	73
Red Pine	0	0	0	0	14	14	0	0	0	28
<b>Total</b>	<b>403</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>35</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>451</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	451	0	0	0	0	0	0	56	0	508
Next Step	19	35	35	0	69	453	0	0	0	611
<b>Total</b>	<b>471</b>	<b>35</b>	<b>35</b>	<b>0</b>	<b>69</b>	<b>453</b>	<b>0</b>	<b>56</b>	<b>0</b>	<b>1118</b>



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	Habitat Cut
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**Proposed Treatments:**

1	54070001-Cc	5.3	4122 - Oak, Pine	Poletimber Well	83	51-80	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> clearcut. No retention due to small size  <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable</u> oak, pine maple, aspen.  <u>Regen:</u>  <u>Other</u> Use current, standard trail specs for safety and infrastructure protection on hauling road to Millersburg Road.  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2022</p>											
9	54070009-NF	5.6	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.  <u>Specs:</u>  <u>Next Step</u>  <u>Treatments:</u>  <u>Acceptable</u>  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2022</p>											
10	54070010-NF	1.8	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.  <u>Specs:</u>  <u>Next Step</u>  <u>Treatments:</u>  <u>Acceptable</u>  <u>Regen:</u>  <u>Other</u>  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2022</p>											





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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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13	54070013-NF	2.2	3102 - Grass	Nonstocked		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

15	54070015-NF	1.6	3102 - Grass	Nonstocked		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

22	54070022-3rd_row	13.9	42110 - Planted Red Pine	Poletimber Well	36	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Specs: Remove every 3rd row.

Next Step Treatments:

Acceptable Regen:

Other Comment: Use current, standard trail specs for safety and infrastructure protection.

Site Condition

Proposed Start Date: 10/1 /2022



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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24	54070024-NF	2.9	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

29	54070029-OR	20.8	4125 - Black, N. Pin Oak	Sapling Well	7	Immature	Harvest	Overstory Removal	4211 - Planted Red Pine	Even-Aged	No
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Prescription Overstory removal. Tops must be chipped within 3 months of the parent stem's severance from the stump unless other arrangements are made. Re-plant red pine. Do not replant north of east-west track.

Next Step Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Release;  
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable planted red pine  
Regen:

Other Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.  
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

31	54070031-Ccr	19.3	4130 - Aspen	Poletimber Well	48	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut with retention. 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 overall mix. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.

Next Step Harvest, Clearcut with Retention  
Treatments:

Acceptable Aspen, oak, pine, maple.  
Regen:

Other Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.  
Comment:

Site Condition

Proposed Start Date: 10/1 /2022



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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33	54070033-NF	7.1	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

34	54070034-Ccr	53.1	4130 - Aspen	Poletimber Well	48	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Specs: Clearcut with retention. 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 overall mix. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.

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

Acceptable Regen: Aspen, oak, pine, maple.

Other Comment: Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.

Site Condition

Proposed Start Date: 10/1 /2022

37	54070037-NF	6.1	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>41</b>	<b>54070041-NF</b>	2.1	3102 - Grass	Nonstocked		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.  
Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

<b>46</b>	<b>54070046-Ccr</b>	31.1	4125 - Black, N. Pin Oak	Sawtimber Well	103	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Clearcut with retention.  
Specs:

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

Acceptable maple, pine, fir, aspen, oak.  
Regen:

Other Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.  
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

<b>46</b>	<b>54070046-RP</b>	0.4	4125 - Black, N. Pin Oak	Sawtimber Well	103	51-80	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
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Prescription Clearcut. Tops must be chipped within 3 months of the parent stem's severance from the stump unless other arrangements are made. Re-plant red pine. 6.0-inch spec height.  
Specs:

Next Step Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Release;  
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable planted red pine.  
Regen:

Other Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.  
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
47 54070047-NF	2.2	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
49 54070049-NF	5.5	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
50 54070050-Ccr	15.8	4125 - Black, N. Pin Oak	Sawtimber Well	103	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> oak, aspen, maple, pine, fir</p> <p><u>Regen:</u></p> <p><u>Other</u> Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>52 54070052-Cc</b>	5.8	4130 - Aspen	Poletimber Well	48	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.  <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, oak, pine, maple.  <u>Regen:</u></p> <p><u>Other</u> Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.  <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>52 54070052-RP</b>	1.2	4130 - Aspen	Poletimber Well	48	51-80	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut. Tops must be chipped within 3 months of the parent stem's severance from the stump unless other arrangements are made. Re-plant red pine. 6.0-inch spec height.  <u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Release;  <u>Treatments:</u> Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable</u> planted red pine  <u>Regen:</u></p> <p><u>Other</u> Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.  <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>53 54070053-Ccr</b>	22.0	4130 - Aspen	Sawtimber Well	55	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. 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 overall mix. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.  <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, oak, pine, maple.  <u>Regen:</u></p> <p><u>Other</u> Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.  <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>54 54070054-NF</b>	7.8	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.  <u>Specs:</u></p> <p><u>Next Step</u>  <u>Treatments:</u></p> <p><u>Acceptable</u>  <u>Regen:</u></p> <p><u>Other</u>  <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>55 54070055-OR</b>	12.3	42210 - Natural Red Pine	Sawtimber Poor	91	1-50	Harvest	Overstory Removal	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Overstory removal. Tops must be chipped within 3 months of the parent stem's severance from the stump unless other arrangements are made. Re-plant red pine. 6.0-inch spec height.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Release; <u>Treatments:</u> Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable</u> planted red pine.</p> <p><u>Regen:</u></p> <p><u>Other</u> Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>55 54070055-OR2</b>	1.3	42210 - Natural Red Pine	Sawtimber Poor	91	1-50	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Overstory removal. Do not replant.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, oak, pine, maple, fir, at any density.</p> <p><u>Regen:</u></p> <p><u>Other</u> Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>55 54070055-OR3</b>	0.2	42210 - Natural Red Pine	Sawtimber Poor	91	1-50	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Overstory removal. Do not replant.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, oak, pine, maple, fir, at any density.</p> <p><u>Regen:</u></p> <p><u>Other</u> Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>56 54070056-NF</b>	3.4	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other <u>Specs:</u> agriculture practices.</p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>60</b>	<b>54070060-Ccr</b>	19.9	4134 - Aspen, Spruce/Fir	Poletimber Well	37	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Specs: Clearcut with retention. 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 overall mix. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.

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

Acceptable Regen: Aspen, oak, pine, fir, maple.

Other Comment: Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.

Site Condition

Proposed Start Date: 10/1 /2022

<b>61</b>	<b>54070061-Ccr</b>	98.5	4130 - Aspen	Poletimber Well	49	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Specs: Clearcut with retention. 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 overall mix. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.

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

Acceptable Regen: Aspen, oak, pine, maple.

Other Comment: Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.

Site Condition

Proposed Start Date: 10/1 /2022

<b>63</b>	<b>54070063-NF</b>	6.0	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022





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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>64</b>	<b>54070064-Ccr</b>	18.3	4139 - Aspen, Mixed Deciduous	Poletimber Well	48	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Specs: Clearcut with retention. 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 overall mix. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.

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

Acceptable Regen: Aspen, oak, pine, maple, fir.

Other Comment: Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.

Site Condition

Proposed Start Date: 10/1 /2022

<b>68</b>	<b>54070068-NF</b>	1.6	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

<b>69</b>	<b>54070069-Ccr</b>	52.0	4134 - Aspen, Spruce/Fir	Poletimber Well	48	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Specs: Clearcut with retention. 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 overall mix. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.

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

Acceptable Regen: Aspen, oak, pine, maple, fir.

Other Comment: Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.

Site Condition

Proposed Start Date: 10/1 /2022



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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70	54070070-NF	4.2	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

76	54070076-NF	1.6	310 - Herbaceous Openland	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

77	54070077-Ccr	38.2	4130 - Aspen	Sawtimber Well	48	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Specs: Clearcut with retention. 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 overall mix. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.

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

Acceptable Regen: Aspen, oak, pine, maple.

Other Comment: Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.

Site Condition

Proposed Start Date: 10/1 /2022

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>79 54070079-Cc</b>	3.7	4134 - Aspen, Spruce/Fir	Sawtimber Well	47	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, oak, pine, maple.</p> <p><u>Regen:</u></p> <p><u>Other</u> Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>81 54070081-Ccr</b>	18.1	4131 - Aspen, Oak	Poletimber Well	48	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be along cold water stream buffer on east edge of stand. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, oak, pine, maple.</p> <p><u>Regen:</u></p> <p><u>Other</u> Use current, standard trail specs for safety and infrastructure protection on haul roads to Millersburg Road.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

**Total Treatment 512.9**  
**Acreage Proposed:**

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Richard Barber : Examiner

Compartment: 70  
Year of Entry: 2023

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions						
		With Condition				5B	5C	2G	3A	3J	5E	
725	662	55		8	Aspen	55	0				1	8
46	0	0		46	Cedar			41			5	
62	62	0		0	Herbaceous Openland							
43	43	0		0	Jack Pine							
68	68	0		0	Low-Density Trees				0			
171	3	0		168	Lowland Conifers			163			4	
1	1	0		0	Lowland Mixed Forest							
54	43	0		11	Lowland Shrub						11	
40	27	0		13	Marsh						13	
9	9	0		0	Northern Hardwood							
329	99	220		9	Oak	144	76		7			2
17	17	0		0	Planted Mixed Pines							
41	27	13		0	Red Pine		13				0	0
126	126	0		0	Upland Mixed Forest							
6	6	0		0	White Pine						0	
1,737	1,193	288		256	Total Forested Acres	199	89	205	7		33	10
	69%	17%		15%	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)	22	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	5A: Not able to obtain desirable regeneration	2G: Too wet (sensitive soils, does not include access issues)	3A: Conservation Values incompatible with harvest at this time	Unspecified
<b>Comments:</b> SCA for cold water stream.							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Richard Barber : Examiner

Compartment: 70  
Year of Entry: 2023

3	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	37	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Oak management on medium quality oak site per June 2000 MDNR Oak Guidance. Repeatedly thin to 90 BA until the DBH reaches 16 inches. Then shelter-wood.							
4	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> SCA stand condition 8?							
5	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	25	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
<b>Comments:</b> SCA for cold water stream.							
6	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	183	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	8	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> multiple vernal ponds.							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Richard Barber : Examiner

Compartment: 70  
Year of Entry: 2023

9	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Recovering hardwood stand on AFO site.							
12	<b>Unavailable</b>	<b>3A: Conservation Values incompatible with harvest at this time</b>	7	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -heavy advanced wp regeneration with a fairly significant seep in middle that is worth protecting							
13	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	27	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	49	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Atlanta Mgt. Unit  
Richard Barber : Examiner

Compartment: 70  
Year of Entry: 2023

15	Available	<b>5B: Maintain for regeneration purposes</b>	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	Available	<b>5B: Maintain for regeneration purposes</b>	47	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	Available	<b>5B: Maintain for regeneration purposes</b>	40	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	Available	<b>5B: Maintain for regeneration purposes</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Recovering hardwood stand on AFO site.							
19	Available	<b>5B: Maintain for regeneration purposes</b>	42	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Recovering hardwood stand on AFO site.							

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
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>1</b>	4122 - Oak, Pine	Poletimber Well	5.3	83	51-80	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Northern Pin Oak		70	Pole/Log	9	83	Red Maple	
Jack Pine		30	Pole	8		High	
						Variable	
						Sapling	
<b>2</b>	4119 - Mixed Northern Hardwoods	Sapling Well	8.7	27	Immature	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple		65	Sapling	1	27		
Northern Pin Oak		30	Sapling	2			
Jack Pine		5	Sapling	2			
<b>3</b>	42220 - Natural Jack Pine	Sapling Well	11.3	27	Immature	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple		2	Sapling	1			
Northern Pin Oak		3	Sapling	2			
Jack Pine		95	Sapling	3	27		
<b>4</b>	4131 - Aspen, Oak	Sapling Well	13.6	17	1-50	N/A	BA is for oak residual.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple		5	Sapling	1			
Bigtooth Aspen		68	Sapling	2	17		
Black/Red (Hybrid) Oak		20	Log	11			
Jack Pine		7	Sapling	1			
<b>5</b>	4125 - Black, N. Pin Oak	Poletimber Medium	8.1	32	Immature	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		15	Sapling	3		Jack Pine	
Northern Pin Oak		85	Pole/Sap/Log	5	32	Medium	
						>20 feet	
						Sapling	
<b>6</b>	4310 - Pine, Oak Mix	Sapling Medium	22.3	17	Immature	N/A	Species distributions are highly variable.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple		5	Sapling	1			
Bigtooth Aspen		5	Sapling	2			
Jack Pine		50	Sapling	2	17		
Choke Cherry		10	Sapling	1			
Black/Red (Hybrid) Oak		30	Sapling	2			
<b>7</b>	42120 - Planted Jack Pine	Sapling Well	15.6	25	Immature	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Northern Pin Oak		5	Sapling	2			
Jack Pine		95	Sapling	2	25		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
<b>8</b>	4125 - Black, N. Pin Oak	Sapling Medium	18.0	17	1-50	N/A																																					
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<b>11</b>	4125 - Black, N. Pin Oak	Sawtimber Well	20.1	94	81-110	N/A	many aspen stems still under 20 foot tall.																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
16	4130 - Aspen	Sapling Well	25.0	28	Immature	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		10	Sapling	1		Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
Red Oak		10	Sapling	2					
Bigtooth Aspen		80	Sapling	3	28				
17	4131 - Aspen, Oak	Poletimber Well	77.6	42	51-80	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black/Red (Hybrid) Oak		25	Log	11		Red Maple	High	>20 feet	Sapling
Bigtooth Aspen		55	Pole	6	42	White Pine	Low	5 - 10 feet	Sapling
White Oak		15	Log	12					
Red Maple		5	Pole	6					
18	42220 - Natural Jack Pine	Poletimber Medium	16.1	45		N/A	failed red pine plantation of yore. water hole. A scruffy stand of scruffy jack pine.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		10	Sapling	3		Red Maple	High	10 - 20 feet	Sapling
Quaking Aspen		5	Pole	7		White Pine	Medium	5 - 10 feet	Sapling
Red Pine		10	Log	17		Red Pine	High	Variable	Seeding
Jack Pine		75	Pole	7	45	Jack Pine	High	5 - 10 feet	Sapling
19	4132 - Aspen, Jack Pine	Sapling Medium	12.5	45	1-50	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Oak		2	Sapling	2		Serviceberry (Juneberry)	High	10 - 20 feet	Tall Shrub
Quaking Aspen		53	Sapling	4	45	Red Maple	Medium	Variable	Sapling
Jack Pine		25	Sapling	3					
Red Maple		20	Sapling	2					
20	4130 - Aspen	Poletimber Well	24.0	37		N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Bigtooth Aspen		95	Pole/Sapling	5	37	Red Maple	High	>20 feet	Sapling
White Pine		5	Sapling	3					
21	42140 - Planted Mixed Pine	Sapling Well	16.6	27	Immature	N/A	failed red pine plantation, often over run by natural jack pine.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Oak		2	Sapling	1		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Red Pine		40	Sapling	2					
Jack Pine		58	Sapling	2	27				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
22	42110 - Planted Red Pine	Poletimber Well	14.1	36	141-170	N/A	never been thinned.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Pine		98	Pole	8	36	Serviceberry (Juneberry)	
Jack Pine		2	Pole	5		Cherry (spp.)	
						<b>Density</b>	<b>Avg. Height</b>
						Low	10 - 20 feet
						Low	Variable
							<b>Size</b>
							Tall Shrub
							Tall Shrub
23	4123 - Red Oak	Sawtimber Well	36.7	101	81-110	N/A	massive rm stump sprouting. Variance was granted 9-23-2016 to treat more than 5 acres of the stand with stand to immediate south. The treated portion has now been merged with the stand to the south. RGB.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Oak		92	Log	12	101	Red Maple	
Red Pine		5	Log	16		Full	
White Oak		3	Log/Pole	10		>20 feet	
							Sapling
24	3102 - Grass	Nonstocked	2.9			No	
25	622 - Lowland Shrub	Nonstocked	1.4			No	
26	4131 - Aspen, Oak	Sawtimber Well	13.2	45	51-80	N/A	Heavier to oak in the north.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		5	Sapling/Pole	4		Red Maple	
Red Oak		45	Log	13		Serviceberry (Juneberry)	
Bigtooth Aspen		50	Pole	8	45	Red Oak	
						<b>Density</b>	<b>Avg. Height</b>
						High	10 - 20 feet
						Low	10 - 20 feet
						Medium	5 - 10 feet
							<b>Size</b>
							Sapling
							Tall Shrub
							Sapling
27	4319 - Mixed Upland Forest	Poletimber Well	4.5	37	51-80	N/A	drops into lowland.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		38	Pole/Sapling	5		Red Maple	
Quaking Aspen		5	Log	14		Medium	
Balsam Fir		50	Sapling/Pole	4	37	Variable	
White Pine		5	Log	12		Sapling	
Red Pine		2	Log	16			
28	4123 - Red Oak	Sawtimber Well	47.9	101	51-80	N/A	Variance was granted 9-23-2016 to allow >25% reduction in prescribed acreage due to large seep and significantly low BA areas. --RGB-residual BA 71 post 2018 thinning-54-021-16-01-14C Pine-Fairview Woodyard-PUs 1 & 2-Thinning Complete 3/9/20
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Oak		88	Log/Pole	11	101	Red Maple	
White Oak		10	Log/Pole	8		White Pine	
Bigtooth Aspen		2	Pole	8		Serviceberry (Juneberry)	
						<b>Density</b>	<b>Avg. Height</b>
						Full	10 - 20 feet
						Low	5 - 10 feet
						Low	10 - 20 feet
							<b>Size</b>
							Sapling
							Sapling
							Tall Shrub
29	4125 - Black, N. Pin Oak	Sapling Well	20.8	7	Immature	N/A	lcr31=0.25-0.50. Oak is mostly 2-5 feet tall, low stocking.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Pine		10	Log	15	90		
Black/Red (Hybrid) Oak		90	Sapling	1	7		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
30	330 - Low-Density Trees	Nonstocked	68.3	0		4211 - Planted Red Pine	Previous stand cut on sale 54-017-13-01, TCR date of 9-14-2015. FTP C54-1070. Roller Chopped on 10/7/15 Trenched on 10/29/15 Planted on 4/22/16 at 985 RP/ac with MI0320 3-0 stock Year 1 regen survey on 5/12/17 at 713 RP/ac and 988 M/C Competition/ac Year 3 regen survey: 886 RP/ac Herbicide on 9/10/17					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Red Oak	Trace	5 - 10 feet	Sapling	
								Pin Cherry	Trace	5 - 10 feet	Sapling	
								Quaking Aspen	Trace	5 - 10 feet	Sapling	
31	4130 - Aspen	Poletimber Well	19.3	48	51-80	N/A						
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	5	Sapling	3	
								Red Oak	15	Log	13	
								Quaking Aspen	40	Pole	9	48
								Bigtooth Aspen	30	Pole	7	48
								Red Pine	10	XLog/Log	18	
Sub-Canopy Species	Density	Avg. Height	Size									
Red Maple	Full	>20 feet	Sapling									
White Pine	Medium	10 - 20 feet	Sapling									
Red Pine	Low	10 - 20 feet	Sapling									
32	4131 - Aspen, Oak	Poletimber Well	27.9	46	51-80	N/A	some areas of 5" DBH oak that don't quite reach into canopy.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	20	Log/Pole	11	
								Red Oak	15	Log	13	
								White Oak	5	Log	13	
								Quaking Aspen	52	Pole/Sapling	6	46
								White Pine	3	Log/XLog	17	60
								Red Pine	5	Log	16	
Sub-Canopy Species	Density	Avg. Height	Size									
Red Maple	Full	>20 feet	Sapling									
White Pine	Low	10 - 20 feet	Sapling									
33	3102 - Grass	Nonstocked	7.1			Managed Opening						
34	4130 - Aspen	Poletimber Well	53.1	48	51-80	N/A	distribution of non-aspen species is highly variable.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	5	Sapling	3	
								Black/Red (Hybrid) Oak	15	Log	13	
								Quaking Aspen	35	Pole	7	48
								Bigtooth Aspen	36	Pole	7	48
								White Pine	3	Pole	7	
								Red Pine	6	XLog/Log	18	
								Sub-Canopy Species	Density	Avg. Height	Size	
Red Maple	Full	>20 feet	Sapling									
White Pine	Medium	10 - 20 feet	Sapling									
Red Pine	Low	10 - 20 feet	Sapling									
35	623 - Emergent Wetland	Nonstocked	24.9			No						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
<b>36</b>	4311 - Pine, Aspen Mix	Poletimber Well	18.3	48	51-80	N/A	A semi-open dry-mesic mosh pit of ugly trees.																																																			
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<b>42</b>	6127 - Lowland Pine	Poletimber Well	4.3	111		N/A	treed bog.																																																			
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<b>43</b>	623 - Emergent Wetland	Nonstocked	15.0			No																																																				
<b>44</b>	622 - Lowland Shrub	Nonstocked	4.8	0		No	Cut 2016, Unsourced Aspen, 54-029-13-01. a few maple and jack pine all under 3 feet height. Cattails doing better.																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
45	4130 - Aspen	Poletimber Well	31.3	27	Immature	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		8	Sapling	2		Red Maple	High	>20 feet	Sapling
Red Oak		5	Sapling	2		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen		77	Pole/Sapling	6	27				
Balsam Fir		5	Sapling	3					
Jack Pine		5	Sapling	3					
46	4125 - Black, N. Pin Oak	Sawtimber Well	31.5	103	51-80	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		10	Pole	7		Red Maple	Medium	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak		70	Log	14	103	Bigtooth Aspen	Low	>20 feet	Sapling
White Oak		10	Log	12		White Pine	Low	10 - 20 feet	Sapling
Bigtooth Aspen		5	Pole/Sapling	5	53	Red Pine	Medium	5 - 10 feet	Sapling
Red Pine		5	Log	15		Oak (spp.)	Medium	5 - 10 feet	Sapling
47	3102 - Grass	Nonstocked	2.2			No	Niagaran site.		
48	6120 - Lowland Cedar	Poletimber Well	26.2	99		N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Balsam Fir		15	Pole/Sapling	5		Balsam Fir	Medium	5 - 10 feet	Sapling
Black Spruce		30	Pole	7		Tag Alder	Medium	>20 feet	Tall Shrub
Northern White Cedar		55	Pole/Log	9	99				
49	3102 - Grass	Nonstocked	5.5			No	filling in with wp and rp.		
50	4125 - Black, N. Pin Oak	Sawtimber Well	15.8	103	51-80	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		10	Pole	8		Red Maple	Low	>20 feet	Sapling
Black/Red (Hybrid) Oak		60	Log	14	103	Balsam Fir	Medium	10 - 20 feet	Sapling
Quaking Aspen		10	Pole/Sapling	6	47	White Pine	Medium	10 - 20 feet	Sapling
Balsam Fir		10	Pole/Sapling	5		Red Pine	Low	5 - 10 feet	Sapling
Red Pine		10	Log	16					
51	6120 - Lowland Cedar	Poletimber Well	19.9	101		N/A	standing water.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black Spruce		10	Pole	7		Balsam Fir	High	< 5 feet	Sapling
Northern White Cedar		90	Pole/Log	9	101	Tag Alder	High	>20 feet	Tall Shrub





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>52</b>	4130 - Aspen	Poletimber Well	7.1	48	51-80	N/A	New stand added.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Sapling	5	
White Oak	5	Log	14	
Quaking Aspen	82	Pole	7	48
Red Pine	3	Log	17	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	>20 feet	Sapling

<b>53</b>	4130 - Aspen	Sawtimber Well	22.0	55	Unspecified	N/A	some 12" dbh Aspen but most of it is denser and half that size or less.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Sapling	5	
Quaking Aspen	72	Log/Pole	10	55
White Pine	3	Pole	6	
Red Pine	15	Log	17	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	>20 feet	Sapling
White Pine	Low	5 - 10 feet	Sapling
Red Pine	Low	5 - 10 feet	Sapling
Balsam Fir	Medium	10 - 20 feet	Sapling

<b>54</b>	3102 - Grass	Nonstocked	7.8			Managed Opening	
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<b>55</b>	42210 - Natural Red Pine	Sawtimber Poor	13.8	91	1-50	N/A	maple and oak held at 4 feet or less by forest cooperators. some Aspen is now exceeding 6 feet.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	10	Log	13	103
Red Pine	90	Log	16	91

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	< 5 feet	Sapling
Balsam Fir	Low	< 5 feet	Sapling
Red Oak	Medium	< 5 feet	Sapling
Bigtooth Aspen	Medium	5 - 10 feet	Sapling

<b>56</b>	3102 - Grass	Nonstocked	3.4			Managed Opening	
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<b>57</b>	4123 - Red Oak	Sawtimber Well	48.8	103	51-80	N/A	New stand added.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Sapling	5	
Red Oak	85	Log	14	103
Red Pine	5	Log	17	
Balsam Fir	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Full	>20 feet	Sapling
Balsam Fir	Medium	>20 feet	Sapling
White Pine	Low	10 - 20 feet	Sapling

<b>58</b>	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	1.0	99	111-140	N/A	Cascading vernal ponds and seeps.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	7	
Quaking Aspen	35	Log	12	
Balsam Fir	15	Pole/Log	8	
Northern White Cedar	40	Log/Pole	10	99

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**59** 6128 - Lowland Coniferous, Mixed Deciduous Sapling Medium 167.0 60 N/A Sheet flow = 15 ft./min. to the west.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	35	Sapling	2	60	Balsam Fir	Medium	< 5 feet	Sapling
Balsam Fir	35	Sapling	3	60				
Northern White Cedar	30	Sapling/Pole	4	101				

**60** 4134 - Aspen, Spruce/Fir Poletimber Well 19.9 37 51-80 N/A stand quality and site quality did not impress.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Sapling	5		Red Maple	High	>20 feet	Sapling
Quaking Aspen	40	Pole/Sapling	5	37	Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir	33	Pole	7					
White Pine	2	Log/Pole	11					
Red Oak	5	XLog/Log	18					

**61** 4130 - Aspen Poletimber Well 98.5 49 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling/Pole	4		Red Maple	High	>20 feet	Sapling
Red Oak	5	Log/XLog	17					
Bigtooth Aspen	63	Pole	8	49				
Red Pine	2	XLog	20					
Quaking Aspen	20	Pole	8					

**62** 4319 - Mixed Upland Forest Poletimber Well 35.1 48 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Sapling/Pole	3		Red Maple	Medium	>20 feet	Sapling
Quaking Aspen	50	Pole	7	48	Balsam Fir	Medium	>20 feet	Sapling
Balsam Fir	45	Pole/Sapling	5					

**63** 3102 - Grass Nonstocked 6.0 Managed Opening

**64** 4139 - Aspen, Mixed Deciduous Poletimber Well 18.3 48 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	20	Pole	6		Sugar Maple	Medium	>20 feet	Sapling
Red Maple	10	Pole	5		Red Maple	Medium	>20 feet	Sapling
Red Oak	5	Log	15		Beech	Low	10 - 20 feet	Sapling
Bigtooth Aspen	55	Pole/Log	9	48	Balsam Fir	Medium	>20 feet	Sapling
Balsam Fir	10	Pole	7		Ash (spp.)	Low	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
<b>65</b>	4133 - Aspen, Mixed Pine	Sapling Well	64.8	5	Immature	N/A	Cut 2016, Unsourced Aspen, 54-029-13-01. Regeneration has been extensively browsed since then, but most areas has recovered to meet 500 stems per acre 6 feet or taller.																																														
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<b>66</b>	622 - Lowland Shrub	Nonstocked	30.1			No																																															
<b>67</b>	4139 - Aspen, Mixed Deciduous	Poletimber Well	42.2	48	81-110	N/A	Definitely AFO. This hardwood stand will need years to recover.																																														
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<b>68</b>	3102 - Grass	Nonstocked	1.6			No																																															
<b>69</b>	4134 - Aspen, Spruce/Fir	Poletimber Well	52.0	48	51-80	N/A	This stand features a substantial, cascading vernal pond which flows from the compartment to the south. Also, there are many patches of pure balsam fir.																																														
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<b>71</b>	4139 - Aspen, Mixed Deciduous	Sawtimber Well	5.3	48	51-80	N/A	AFO phase? 45" wp stump. The southern part of this stand has escaped the clearcutting which took place to the north. The northern part looks as if someone had been chasing aspen.																																														
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<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
White Pine		90	Log	15	82	White Pine	High	10 - 20 feet	Sapling
Red Oak		5	Log	14		Red Maple	Medium	10 - 20 feet	Sapling
Red Maple		5	Pole	7		Red Oak	Low	10 - 20 feet	Sapling
73	4131 - Aspen, Oak	Poletimber Well	5.7	42	51-80	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black/Red (Hybrid) Oak		25	Log	14		Red Maple	High	>20 feet	Sapling
Bigtooth Aspen		75	Pole	5	42	White Pine	Low	5 - 10 feet	Sapling
74	4130 - Aspen	Poletimber Well	6.9	42	51-80	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Oak		2	Log	12		Red Maple	High	>20 feet	Sapling
Bigtooth Aspen		98	Pole	7	42	White Pine	Low	5 - 10 feet	Sapling
75	4125 - Black, N. Pin Oak	Sawtimber Poor	49.1	84	1-50	N/A	Cut 2016 Unsourced Aspen 54-029-13-01. Growing aspen, retained oak. Aspen is browsed, some recovery has taken place. Lots of 4-6 foot tall Aspen stems.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black/Red (Hybrid) Oak		100	Log	12	84	Red Maple	Medium	>20 feet	Sapling
						White Pine	Low	5 - 10 feet	Sapling
						Bigtooth Aspen	High	< 5 feet	Sapling
76	310 - Herbaceous Openland	Nonstocked	1.6		Immature	No	old Niagaran pad.		
77	4130 - Aspen	Sawtimber Well	49.0	48	51-80	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		10	Pole/Sapling	5		Red Maple	Full	>20 feet	Sapling
Red Oak		2	XLog	24		White Pine	Low	5 - 10 feet	Sapling
Quaking Aspen		70	Log/Pole	11	48	Red Pine	Low	10 - 20 feet	Sapling
Red Pine		3	XLog	20		Oak (spp.)	Low	5 - 10 feet	Sapling
Balsam Fir		15	Pole/Sapling	6					
78	4123 - Red Oak	Sawtimber Well	26.6	92	81-110	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		5	Pole	5		Red Maple	Full	>20 feet	Sapling
Red Oak		55	Log	13	92	White Pine	Medium	10 - 20 feet	Sapling
Bigtooth Aspen		5	Pole	6		Red Pine	Low	10 - 20 feet	Sapling
White Oak		15	Log	12					
Red Pine		20	Log/XLog	17					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**79**      4134 - Aspen, Spruce/Fir      Sawtimber Well      3.7      47      51-80      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	7		Red Maple	Low	>20 feet	Sapling
Red Oak	3	Log	13		Balsam Fir	Medium	10 - 20 feet	Sapling
Quaking Aspen	52	Log/Pole	10	47	White Pine	Low	10 - 20 feet	Sapling
Balsam Fir	30	Pole	8					
Red Pine	5	Log	16					

**80**      4139 - Aspen, Mixed Deciduous      Poletimber Well      7.6      48      81-110      N/A      Definitely AFO. This hardwood stand will need years to recover.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	47	Sapling/Pole	4	48	Sugar Maple	Full	>20 feet	Sapling
Balsam Fir	5	Pole	8		Beech	Medium	Variable	Sapling
Paper Birch	5	Pole	9		Ironwood	Low	10 - 20 feet	Sapling
Bigtooth Aspen	43	Pole	9	48	Leatherwood	Low	< 5 feet	Tall Shrub
					Ash (spp.)	Low	5 - 10 feet	Sapling

**81**      4131 - Aspen, Oak      Poletimber Well      18.8      48      81-110      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Sapling/Pole	4		Red Maple	Full	>20 feet	Sapling
Black/Red (Hybrid) Oak	15	Log	13		White Pine	Medium	10 - 20 feet	Sapling
Quaking Aspen	30	Pole	9	48	Red Pine	Low	10 - 20 feet	Sapling
Bigtooth Aspen	36	Pole	8	48				
White Pine	3	Pole	7					
Red Pine	6	XLog/Log	18					
Northern Pin Oak	5	Pole	6					