



# Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54124

Entry Year 2023

Acreage: 1,705

County Presque Isle

Management Area: Kirtland's Warbler

**Revision Date:** 2021-03-30

**Stand Examiner:** Darrick Coy

**Legal Description:**

T33N-R2E, Sections 25-26 and T33N-R3E, Section 30

**Identified Planning Goals:**

To provide for the protection, integrated management and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan. Harvests prescribed will help to balance the age classes of aspen, pine, and other cover types to sustainably produce various timber products, enhance game and non-game wildlife habitat and provide for forest-based recreational uses. This compartment is part of the Kirtland's Warbler Management Area.

**Soil and topography:**

Soils are primarily well to excessively drained sands. The topography is mostly flat with some minor areas of extreme slope or rolling terrain. Cover types are predominately aspen, oak, planted and natural pine, and lowland conifer. Forest habitat types are primarily dominated by PARVvb, PARVHa, and PVCd.

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

The compartment is largely surrounded by state forestland ownership except to the east. Federal land is to the north and east of the compartment which is also managed for warbler. No gas production facilities/infrastructure exist. The compartment has some recreational use by hikers, ORVs, and snowmobiles.

**Unique Natural Features:**

Features exist and have been reported by MNFI within this compartment.  
Contact Michigan Natural Features Inventory for more information or reporting.

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

No known sites exist, aside from old railroad grades. Contact the State Historical Preservation Office for more information or reporting of new sites.

**Special Management Designations or Considerations:**

This compartment is within the Kirtland's Warbler Management Area.  
The essential habitat layer is being revised for analysis as part of the State Forest Plan revision. Previously approved 2013 plan information:

The Kirtland's Warbler Management Area (MA) consists of fifteen units of land that are managed for the federally endangered Kirtland's warbler. Kirtland's warbler management is guided by two documents: Kirtland's Warbler Breeding Range Conservation Plan and Operational Plan for Kirtland's Warbler Habitat Management on Michigan State Forests. Of the 148,017 acres of state forest land that make up the Kirtland's Warbler management area, approximately 90,000 acres, most of the jack pine in the management area, have been identified as essential habitat where management is done in accordance with the Kirtland's Warbler Conservation Plan and Operational Plan. Management on the portion that is not classified as essential habitat will emphasize balancing the age classes of aspen and red pine and regenerating the aging oak resource. Management activities may be constrained or modified based on management recommendations described in the Conservation Strategy. Expected trends within this 10-year planning period are introduced pests and diseases and assuring jack pine regeneration on Kirtland's warbler sites.

(Excerpted From: Northern Lower Peninsula Regional State Forest Management Plan. 4.17 MA 17- Kirtland's Warbler Management Area, Summary of Use and Management, Pg 1. Michigan DNR. 2013.)  
(<https://www2.dnr.state.mi.us/Publications/pdfs/ForestsLandWater/RSFMP/NLP/NLPMgmtPlanSec4.pdf>)

**Watershed and Fisheries Considerations:**

None known or reported.

**Wildlife Habitat Considerations:**

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

No active sand/gravel pits are in the vicinity. There may be some sand & gravel potential within the compartment, but this is not a high demand area. The compartment is south of the Guelph/Niagaran reef trend, and there is no known potential for hydrocarbon production from other proven formations. There are some active State mineral leases just south of the compartment that are held by production, but they are holdover leases from old agreements. The nearest producing well is two miles to the west. There is no known metallic mineral potential in this part of the state.

## **Vehicle Access:**

Access throughout the compartment is good using existing fire break roads and other gravel county roads. View the status of state forest roads open to motorized use within the compartment online using the Michigan DNR interactive roads maps or download printable maps for free.

## **Survey Needs:**

North E-W running lines of Section 30.

## **Recreational Facilities and Opportunities:**

Hunting and Warbler Viewing- Throughout the compartment  
ORV, motorcycle, and ATV- Atlanta Route and Trail & and Red Bridge To Atlanta MCCT South  
Snowmobiling- Trail LP9  
Hiking, Skiing, and Bicycling- High Country Pathway

## **Fire Protection:**

Fire response to the compartment will be covered by the Onaway DNR office as well as the Case Township Fire Department.

## **Additional Compartment Information:**

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

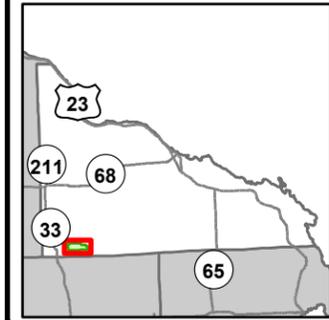
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

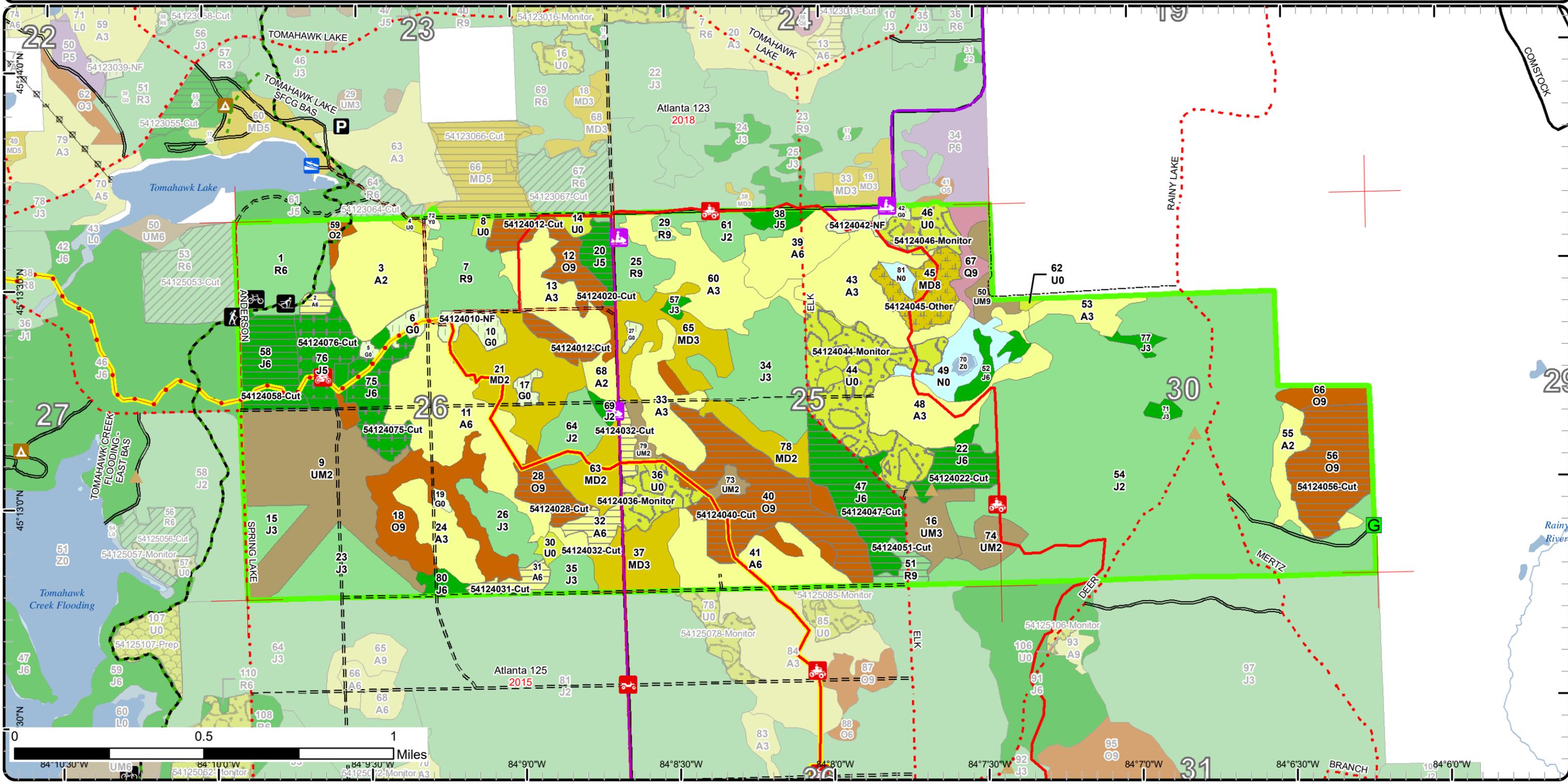
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 124  
 T33N, R02E, Sec: 23-26  
 T33N, R03E, Sec. 30  
 County: Presque Isle  
 Unit: Atlanta  
 Mgmt Area: Kirtland's Warbler  
 YOE: 2023  
 Acres: 1705.1 GIS Calculated  
 Examiner: Darrick Coy  
 Map Revised: 10/7/2021  
 Map Phase: Post-Review

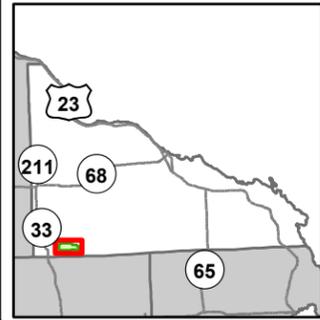


- Miris Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Hiking Trails
- Bike Trails
- Ski Trails
- Motorcycle Trails (DNR License)
- MCCCT Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Multi-Use Trails
- ORV License & Trail Permit
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Berms
- Gate
- Boating Access Site
- Campground
- Parking Lot
- Drain
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Fence
- Compartment Boundary
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Regeneration Survey
- Opening Maintenance
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 623 - Emergent Wetland
- 710 - Sand/Soil



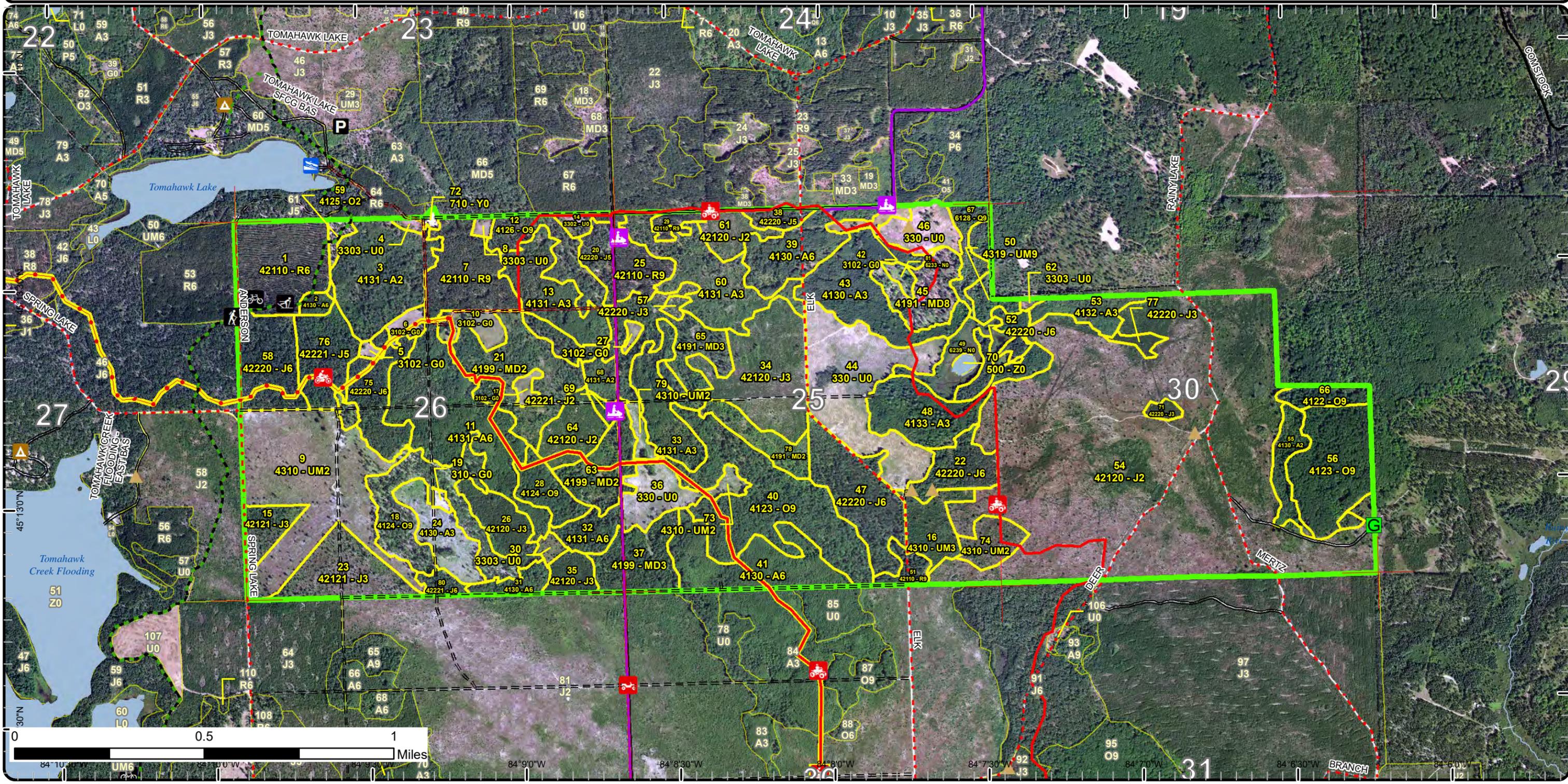
# Stand Boundary Map

Compartment: 124  
 T33N, R02E, Sec: 23-26  
 T33N, R03E, Sec. 30  
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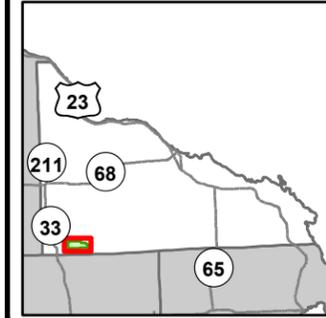
- Miris Corners
- Counties
- DNR - Secondary Forest Road
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- Federal / State / County - Paved Road
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# Special Conservation Areas

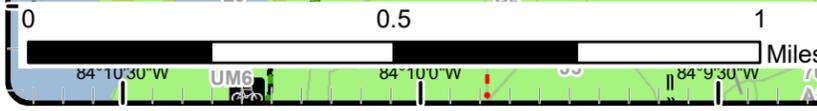
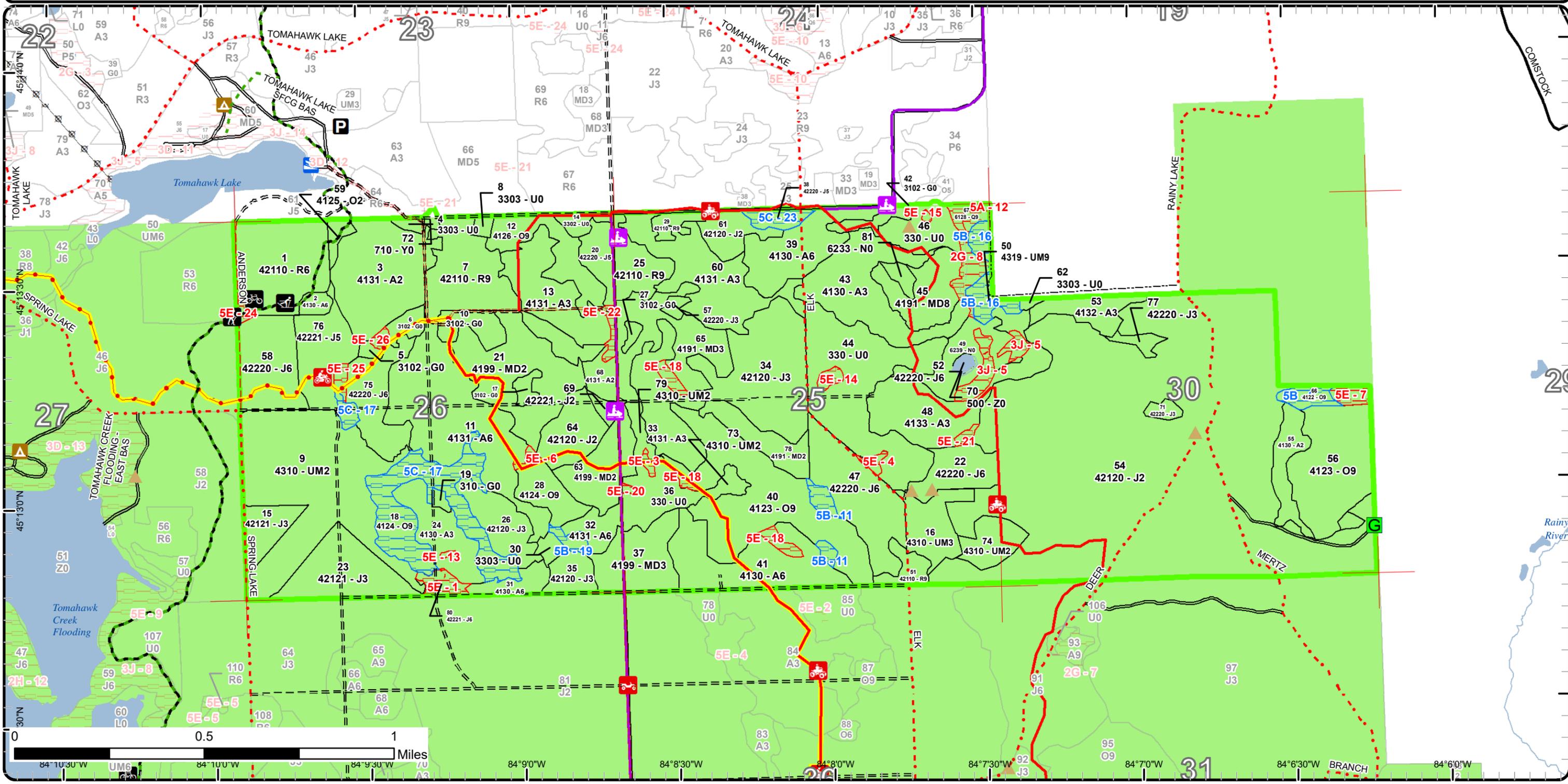
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- Berms

- Gate
- Boating Access Site
- Campground
- Parking Lot
- Drain
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Fence
- 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)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5A: Not able to obtain desirable regeneration
- 5E: Long-Term Retention
- Stand Boundaries
- Kirtland Warbler Habitat
- Cold Water Streams
- Cold Water Lakes



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          | 18         | 93         | 188        | 59        | 0        | 7         | 15         | 3         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 382         |
| Herbaceous Openland    | 24         | 0          | 0          | 0          | 0         | 0        | 0         | 0          | 0         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 24          |
| Jack Pine              | 0          | 0          | 472        | 23         | 0         | 0        | 0         | 49         | 9         | 85         | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 637         |
| Low-Density Trees      | 93         | 0          | 0          | 0          | 0         | 0        | 0         | 0          | 0         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 93          |
| Lowland Conifers       | 0          | 0          | 0          | 0          | 0         | 0        | 0         | 0          | 0         | 10         | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 10          |
| Marsh                  | 19         | 0          | 0          | 0          | 0         | 0        | 0         | 0          | 0         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 19          |
| Mixed Upland Deciduous | 0          | 0          | 93         | 22         | 0         | 0        | 0         | 0          | 0         | 18         | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 133         |
| Oak                    | 0          | 0          | 3          | 0          | 0         | 0        | 0         | 0          | 0         | 152        | 38        | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 193         |
| Red Pine               | 0          | 0          | 0          | 0          | 0         | 0        | 35        | 47         | 0         | 6          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 88          |
| Sand, Soil             | 1          | 0          | 0          | 0          | 0         | 0        | 0         | 0          | 0         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 1           |
| Upland Mixed Forest    | 0          | 87         | 26         | 0          | 0         | 0        | 0         | 0          | 0         | 9          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 121         |
| Water                  | 1          | 0          | 0          | 0          | 0         | 0        | 0         | 0          | 0         | 0          | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0           | 1           |
| <b>Total</b>           | <b>138</b> | <b>105</b> | <b>687</b> | <b>233</b> | <b>59</b> | <b>0</b> | <b>42</b> | <b>111</b> | <b>12</b> | <b>246</b> | <b>72</b> | <b>0</b>    | <b>1702</b> |



## Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 124

Total Compartment Acres: 1,705

Commercial Harvest - 278  
 Harvests with Site Condition - 0  
 Next Step Harvest - 0  
 Habitat Cut - 0

### Cover Type by Harvest Method

|              | Clearcut   | Selection | Patch Clearcut | Seed Tree | Shelterwood | Thinning  | Overstory Removal | Salvage  | Other    | Total Acres |
|--------------|------------|-----------|----------------|-----------|-------------|-----------|-------------------|----------|----------|-------------|
| Aspen        | 22         | 0         | 0              | 0         | 0           | 0         | 0                 | 0        | 0        | 22          |
| Jack Pine    | 79         | 0         | 0              | 0         | 0           | 40        | 0                 | 0        | 0        | 119         |
| Oak          | 131        | 0         | 0              | 0         | 0           | 0         | 0                 | 0        | 0        | 131         |
| Red Pine     | 6          | 0         | 0              | 0         | 0           | 0         | 0                 | 0        | 0        | 6           |
| <b>Total</b> | <b>238</b> | <b>0</b>  | <b>0</b>       | <b>0</b>  | <b>0</b>    | <b>40</b> | <b>0</b>          | <b>0</b> | <b>0</b> | <b>278</b>  |

### Proposed and Next Step Treatments by Method

|              | Harvest    | Site Prep  | Pruning    | Seeding  | Burning  | Pesticide  | Monitoring | Other     | Non-Forest Mgt. | Total Acres |
|--------------|------------|------------|------------|----------|----------|------------|------------|-----------|-----------------|-------------|
| Current      | 278        | 0          | 0          | 0        | 0        | 79         | 18         | 22        |                 | 398         |
| Next Step    | 0          | 310        | 234        | 0        | 0        | 389        | 498        | 0         | 0               | 1431        |
| <b>Total</b> | <b>278</b> | <b>310</b> | <b>234</b> | <b>0</b> | <b>0</b> | <b>389</b> | <b>577</b> | <b>18</b> | <b>22</b>       | <b>1828</b> |



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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 |
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|

**Proposed Treatments:**

|   |
|---|
| <p><b>2 54124002-Cut</b>    3.0    4130 - Aspen    Poletimber Well    74    81-110    Harvest    Clearcut    4130 - Aspen    Even-Aged    No</p> <p><u>Prescription</u> -clearcut<br/> <u>Specs:</u> -no retention to maximize regeneration acreage<br/>                     -protect the High Country Pathway in timber sale specifications</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)<br/> <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> -any combination of aspen, maple, oak, pine, and fir of medium to high stocking</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p> |
| <p><b>5 54124005-NF</b>    1.4    3102 - Grass    Nonstocked    NonForestMgt    Herbaceous/Crop /Grass Planting    212 - Non-tilled Herbaceous Agriculture    No</p> <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.<br/> <u>Specs:</u></p> <p><u>Next Step</u><br/> <u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>  |
| <p><b>6 54124006-NF</b>    4.2    3102 - Grass    Nonstocked    NonForestMgt    Herbaceous/Crop /Grass Planting    310 - Herbaceous Openland    No</p> <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.<br/> <u>Specs:</u></p> <p><u>Next Step</u><br/> <u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>  |
| Empty treatment row   |



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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>10</b> | <b>54124010-NF</b> | 8.0 | 3102 - Grass | Nonstocked |  |  | NonForestMgt | Herbaceous/Crop /Grass Planting | 310 - Herbaceous Openland | No |
|-----------|--------------------|-----|--------------|------------|--|--|--------------|---------------------------------|---------------------------|----|

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>12</b> | <b>54124012-Cut</b> | 24.9 | 4126 - White, Black, N. Pin Oak | Sawtimber Well | 86 | 51-80 | Harvest | Clearcut with Retention | 4191 - Mixed Upland Deciduous with Conifer | Even-Aged | No |
|-----------|---------------------|------|---------------------------------|----------------|----|-------|---------|-------------------------|--|-----------|----|

Prescription -clearcut  
Specs: -leave 3-10% in retention pocket(s) (already excluded- see site conditions layer 5E-21)  
 -protect the Atlanta Route and ATV Trail and Snowmobile Trail LP9 in timber sale specifications

Next Step Monitoring, Natural Regen (Intermediate)  
Treatments:

Acceptable -survey regeneration early (3 growing seasons after cut is complete)  
Regen:  
 -accept any combination of oak, maple, aspen, fir, and pine of medium to high stocking  
 -oak, aspen or oak, pine cover types are also acceptable

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

|           |                    |     |              |            |  |  |              |                                 |                           |    |
|-----------|--------------------|-----|--------------|------------|--|--|--------------|---------------------------------|---------------------------|----|
| <b>17</b> | <b>54124017-NF</b> | 2.9 | 3102 - Grass | Nonstocked |  |  | NonForestMgt | Herbaceous/Crop /Grass Planting | 310 - Herbaceous Openland | No |
|-----------|--------------------|-----|--------------|------------|--|--|--------------|---------------------------------|---------------------------|----|

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



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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>20 54124020-Cut</b>   | 8.3   | 42220 - Natural Jack Pine | Poletimber Medium | 84        | 51-80    | Harvest        | Clearcut                        | 42221 - Natural Jack Pine, Mixed Deciduous | Even-Aged     | No          |
| <p><u>Prescription</u> -clearcut<br/> <u>Specs:</u> -no retention to maximize regeneration acreage<br/>                     -protect the Atlanta Route and Snowmobile Trail LP9 in timber sale specifications<br/> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)<br/> <u>Treatments:</u><br/> <u>Acceptable Regen:</u> -pine, maple, aspen, oak, and fir of low to high stocking<br/>                     -oak, pine; or mixed deciduous, pine cover type objectives are also considered acceptable<br/> <u>Other Comment:</u><br/> <u>Site Condition</u><br/> <u>Proposed Start Date:</u> 10/1 /2022</p>  |       |                           |                   |           |          |                |                                 |  |               |             |
| <b>22 54124022-Cut</b>   | 14.0  | 42220 - Natural Jack Pine | Poletimber Well   | 63        | 51-80    | Harvest        | Clearcut with Retention         | 42110 - Planted Red Pine                   | Even-Aged     | No          |
| <p><u>Prescription</u> -clearcut<br/> <u>Specs:</u> -leave 3-10% in retention pocket(s) (already excluded- see site conditions layer 5E-21)<br/>                     -protect the Atlanta ATV Trail in timber sale specifications<br/>                     -require low stumps, reduce, and/or break up slash for planted pine in timber sale specs and follow KW timing specs for cutting and hauling<br/> <u>Next Step</u> SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); SitePrep, Roller Chopping;<br/> <u>Treatments:</u> Pesticide, Skidder - Release; Monitoring, Artificial Regen(3yr)<br/> <u>Acceptable Regen:</u> -fully stocked red pine with minor components of oak, aspen, cherry, fir, and maple<br/> <u>Other Comment:</u><br/> <u>Site Condition</u><br/> <u>Proposed Start Date:</u> 10/1 /2022</p> |       |                           |                   |           |          |                |                                 |  |               |             |
| <b>27 54124027-NF</b>  | 1.5   | 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.<br/> <u>Specs:</u><br/> <u>Next Step</u><br/> <u>Treatments:</u><br/> <u>Acceptable Regen:</u><br/> <u>Other Comment:</u><br/> <u>Site Condition</u><br/> <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>28 54124028-Cut</b>  | 11.2  | 4124 - Red with White Oak | Sawtimber Well  | 83        | 81-110   | Harvest        | Clearcut with Retention | 4139 - Aspen, Mixed Deciduous | Even-Aged     | No          |
| <p><u>Prescription</u> -clearcut<br/> <u>Specs:</u> -leave 3-10% in retention pocket(s) (already excluded north of trail- see site conditions layer 5E-6)<br/> -protect the Atlanta ATV and Motorcycle Trail (Red Bridge To Atlanta MCCCT South) in timber sale specifications</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)<br/> <u>Treatments:</u></p> <p><u>Acceptable</u> -aspen, maple, oak, fir, and pine of medium to high stocking<br/> <u>Regen:</u> -also accept cover types of oak, aspen or other mixed deciduous</p> <p><u>Other</u><br/> <u>Comment:</u></p> <p><u>Site Condition</u><br/> <u>Proposed Start Date:</u> 10/1 /2022</p>  |       |                           |                 |           |          |                |                         |                               |               |             |
| <b>31 54124031-Cut</b>  | 6.8   | 4130 - Aspen              | Poletimber Well | 51        | 51-80    | Harvest        | Clearcut                | 4130 - Aspen                  | Even-Aged     | No          |
| <p><u>Prescription</u> -clearcut<br/> <u>Specs:</u> -no retention to maximize regeneration acreage<br/> -include grouse specification with timber sale specs<br/> -follow KW timing specs for cutting and hauling</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)<br/> <u>Treatments:</u></p> <p><u>Acceptable</u> -aspen, maple, oak, fir, and pine of medium to high stocking<br/> <u>Regen:</u></p> <p><u>Other</u><br/> <u>Comment:</u></p> <p><u>Site Condition</u><br/> <u>Proposed Start Date:</u> 10/1 /2022</p>   |       |                           |                 |           |          |                |                         |                               |               |             |
| <b>32 54124032-Cut</b>  | 12.0  | 4131 - Aspen, Oak         | Poletimber Well | 65        | 81-110   | Harvest        | Clearcut with Retention | 4130 - Aspen                  | Even-Aged     | No          |
| <p><u>Prescription</u> -clearcut<br/> <u>Specs:</u> -leave 3-10% in retention pocket(s) (already excluded- see site conditions layer 5E-20)<br/> -leave area of thick advanced oak regeneration with partially occupied canopy of scattered mast oak out of treatment (already excluded- see site conditions layer 5B-19)<br/> -protect the Atlanta ATV, Route, Motorcycle (Red Bridge To Atlanta MCCCT South) and Snowmobile Trail LP9 in timber sale specifications<br/> -include grouse specification with timber sale specs</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)<br/> <u>Treatments:</u></p> <p><u>Acceptable</u> -aspen, maple, oak, fir, and pine of medium to high stocking<br/> <u>Regen:</u></p> <p><u>Other</u><br/> <u>Comment:</u></p> <p><u>Site Condition</u><br/> <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>40 54124040-Cut</b>   | 57.0  | 4123 - Red Oak                             | Sawtimber Well   | 88        | 81-110   | Harvest        | Clearcut with Retention         | 4199 - Other Mixed Upland Deciduous | Even-Aged     | No          |
| <p><u>Prescription</u> -clearcut</p> <p><u>Specs:</u> -leave 3-10% in retention pocket(s) (already excluded- see site conditions layer 5E-18)<br/>                     -leave all red pine and/or white pine not to exceed a cumulative residual BA of 10<br/>                     -leave areas of desirable advanced oak and white pine out of treatment (already excluded- see site conditions layer 5B-11)<br/>                     -protect the Atlanta ATV and Motorcycle Trails (Red Bridge To Atlanta MCCCT South) in timber sale specifications</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> -survey regeneration early (3 years after harvest)</p> <p><u>Regen:</u><br/>                     -any combination of oak, cherry, aspen, maple, pine, and fir of medium to high stocking<br/>                     -oak, mixed deciduous cover type objective is also considered acceptable</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p> |       |  |                  |           |          |                |                                 |                                     |               |             |
| <b>42 54124042-NF</b>  | 4.3   | 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</p> <p><u>Specs:</u> agriculture practices.</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 Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>  |       |  |                  |           |          |                |                                 |                                     |               |             |
| <b>45 54124045-Other</b>   | 18.3  | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Medium | 96        | 51-80    | Other          | Other                           | 414 - Other Upland Deciduous        | Uneven-Aged   | No          |
| <p><u>Prescription</u> -accept a low acceptable stocking level and let the overstory pine continue to regenerate the stand over time</p> <p><u>Specs:</u> -low stocking in the west half and medium stocking in the east half<br/>                     -east half passed and ~6 acres to the west failed<br/>                     -protect ORV trail per REC review comment</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> -any mix of pine and deciduous species</p> <p><u>Regen:</u></p> <p><u>Other 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>47</b> | <b>54124047-Cut</b> | 31.8 | 42220 - Natural Jack Pine | Poletimber Well | 63 | 51-80 | Harvest | Clearcut with Retention | 42110 - Planted Red Pine | Even-Aged | No |
|-----------|---------------------|------|---------------------------|-----------------|----|-------|---------|-------------------------|--------------------------|-----------|----|

Prescription -clearcut  
Specs: -leave 3-10% in retention pocket(s) (already excluded- see site conditions layer 5E-4)  
 -protect the Atlanta ORV trail in timber sale specifications  
 -require low stumps, reduce, and/or break up slash for planted pine in timber sale specs and follow KW timing specs for cutting and hauling  
Next Step SitePrep, Trenching; SitePrep, Roller Chopping; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr);  
Treatments: Pesticide, Skidder - Release; Monitoring, Artificial Regen(3yr)  
Acceptable Regen: -fully stocked red pine with minor components of oak, aspen, cherry, fir, and maple  
Other Comment:  
Site Condition  
 Proposed Start Date: 10/1 /2022

|           |                     |     |                          |                |    |         |         |          |                         |           |    |
|-----------|---------------------|-----|--------------------------|----------------|----|---------|---------|----------|-------------------------|-----------|----|
| <b>51</b> | <b>54124051-Cut</b> | 6.1 | 42110 - Planted Red Pine | Sawtimber Well | 93 | 111-140 | Harvest | Clearcut | 4211 - Planted Red Pine | Even-Aged | No |
|-----------|---------------------|-----|--------------------------|----------------|----|---------|---------|----------|-------------------------|-----------|----|

Prescription -clearcut  
Specs: -no retention to maximize plantation acreage  
 -require low stumps, reduce, and/or break up slash for planted pine in timber sale specs and follow KW timing specs for cutting and hauling  
Next Step SitePrep, Trenching; SitePrep, Roller Chopping; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr);  
Treatments: Pesticide, Skidder - Release; Monitoring, Artificial Regen(3yr)  
Acceptable Regen: -fully stocked red pine with minor components of oak, aspen, cherry, fir, and maple  
Other Comment:  
Site Condition  
 Proposed Start Date: 10/1 /2022

|           |                     |      |                |                |    |        |         |                         |   |           |    |
|-----------|---------------------|------|----------------|----------------|----|--------|---------|-------------------------|---|-----------|----|
| <b>56</b> | <b>54124056-Cut</b> | 37.9 | 4123 - Red Oak | Sawtimber Well | 83 | 81-110 | Harvest | Clearcut with Retention | 42111 - Planted Red Pine, Mixed Deciduous | Even-Aged | No |
|-----------|---------------------|------|----------------|----------------|----|--------|---------|-------------------------|---|-----------|----|

Prescription -clearcut  
Specs: -leave 3-10% in retention (already excluded within oak stand 66 of same age- see site conditions layer)  
 -leave a clumps of mast oak within the interior of treatment to promote oak regeneration within future pine plantation (consult with TMS on quantity and spacing and leave more in north half of treatment where crowns are larger)  
 -require low stumps, reducing, and/or breaking up slash  
 -convert to planted red pine to encourage oak establishment over the long-term  
 -if this area is later determined as essential KW habitat, plant it to jack pine  
Next Step SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); SitePrep, Roller Chopping;  
Treatments: Monitoring, Artificial Regen(3yr); Pesticide, Skidder - Release  
Acceptable Regen: -fully stocked red pine with minor components of oak, aspen, cherry, fir, and maple  
 -long-term objective is to slowly establish oak regeneration  
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 |
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|

|           |                     |      |                           |                 |    |       |         |                         |  |           |    |
|-----------|---------------------|------|---------------------------|-----------------|----|-------|---------|-------------------------|--|-----------|----|
| <b>58</b> | <b>54124058-Cut</b> | 25.0 | 42220 - Natural Jack Pine | Poletimber Well | 82 | 51-80 | Harvest | Clearcut with Retention | 42221 - Natural Jack Pine, Mixed Deciduous | Even-Aged | No |
|-----------|---------------------|------|---------------------------|-----------------|----|-------|---------|-------------------------|--|-----------|----|

Prescription -clearcut  
Specs: -leave 3-10% in retention pocket(s) (already excluded- see site conditions layer)  
 -protect the Atlanta Motorcycle Trail (Red Bridge To Atlanta MCCCT South) and High Country Pathway in timber sale specifications  
 -require low stumps, reduce, and/or break up slash for planted pine in timber sale specs and follow KW timing specs for cutting and hauling  
Next Step Monitoring, Natural Regen (Intermediate); SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting,  
Treatments: Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Skidder - Release; Monitoring, Artificial Regen(  
Acceptable Regen: -survey regeneration early (2 years after harvest)  
 -any combination of jack pine, oak, red maple, aspen, cherry, red pine, white pine, and balsam fir of medium to high stocking  
 -a planted jack pine objective is also considered acceptable  
Other Comment:  
Site Condition  
Proposed Start Date: 10/1 /2022

|           |                     |      |                           |                 |    |       |         |                   |                  |           |    |
|-----------|---------------------|------|---------------------------|-----------------|----|-------|---------|-------------------|------------------|-----------|----|
| <b>75</b> | <b>54124075-Cut</b> | 19.6 | 42220 - Natural Jack Pine | Poletimber Well | 82 | 51-80 | Harvest | Overstory Removal | 4122 - Oak, Pine | Even-Aged | No |
|-----------|---------------------|------|---------------------------|-----------------|----|-------|---------|-------------------|------------------|-----------|----|

Prescription -overstory removal  
Specs: -release the understory of oak regeneration and regenerate natural pine  
 -leave 3-10% in retention pocket(s) (already excluded- see site conditions layer)  
 -allow up to 50% damage to established advanced regeneration  
 -protect the Atlanta Motorcycle Trail (Red Bridge To Atlanta MCCCT South) in timber sale specifications  
 -require low stumps, reduce, and/or break up slash for planted pine in timber sale specs and follow KW timing specs for cutting and hauling  
 -harvest late in the growing season or during winter for vigorous sprouting  
Next Step Monitoring, Natural Regen (Intermediate); SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting,  
Treatments: Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Skidder - Release; Monitoring, Artificial Regen(  
Acceptable Regen: -survey regeneration early (3 years after harvest)  
 -any combination of pine, cherry, aspen, maple, oak, and fir of medium to high stocking  
 -pine, oak or mixed deciduous, pine cover type objectives are also considered acceptable  
 -planted red pine cover type objective is also considered acceptable if regeneration stocking is low  
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 |
|--|-------|--|-------------------|-----------|----------|----------------|-------------------|--|---------------|-------------|
| <b>76 54124076-Cut</b>   | 20.5  | 42221 - Natural Jack Pine, Mixed Deciduous | Poletimber Medium | 82        | 51-80    | Harvest        | Overstory Removal | 4191 - Mixed Upland Deciduous with Conifer | Even-Aged     | No          |
| <p><u>Prescription</u> -overstory removal</p> <p><u>Specs:</u><br/>                     -release the understory of mixed deciduous regeneration and regenerate natural pine<br/>                     -leave 3-10% in retention pocket(s) (already excluded- see site conditions layer)<br/>                     -allow up to 50% damage to established advanced regeneration<br/>                     -protect the Atlanta Motorcycle Trail (Red Bridge To Atlanta MCCCT South) in timber sale specifications<br/>                     -require low stumps, reduce, and/or break up slash for planted pine in timber sale specs and follow KW timing specs for cutting and hauling<br/>                     -harvest late in the growing season or during winter for vigorous sprouting</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate); SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting,<br/> <u>Treatments:</u> Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Skidder - Release; Monitoring, Artificial Regen(</p> <p><u>Acceptable Regen:</u> -survey regeneration early (3 years after harvest)<br/>                     -any combination of pine, cherry, aspen, maple, oak, and fir of medium to high stocking<br/>                     -oak, pine; or pine, oak cover type objectives are also considered acceptable<br/>                     -planted red pine cover type objective is also considered acceptable if regeneration stocking is low</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p> |       |  |                   |           |          |                |                   |  |               |             |

**Approved Treatments:**

|   |      |                         |            |   |  |            |                       |                          |           |    |
|---|------|-------------------------|------------|---|--|------------|-----------------------|--------------------------|-----------|----|
| <b>36 54124036-Monitor</b>  | 14.3 | 330 - Low-Density Trees | Nonstocked | 0 |  | Monitoring | Artificial Regen(3yr) | 42110 - Planted Red Pine | Even-Aged | No |
| <p><u>Prescription</u> regen survey year 3</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Planting, Initial Plant; Pesticide, (Inactive)Aerial<br/> <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> planted red pine</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p> |      |                         |            |   |  |            |                       |                          |           |    |
| <b>44 54124044-Monitor</b>  | 52.4 | 330 - Low-Density Trees | Nonstocked | 0 |  | Monitoring | Artificial Regen(3yr) | 42110 - Planted Red Pine | Even-Aged | No |
| <p><u>Prescription</u> Year 3 regen survey</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Planting, Initial Plant; Pesticide, (Inactive)Aerial<br/> <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> planted red pine</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</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 |
|---|-------|-------------------------|--------------|-----------|----------|----------------|-----------------------|--------------------------|---------------|-------------|
| 46 54124046-Monitor   | 12.3  | 330 - Low-Density Trees | Nonstocked   | 0         |          | Monitoring     | Artificial Regen(3yr) | 42110 - Planted Red Pine | Even-Aged     | No          |
| <p><u>Prescription</u></p> <p><u>Specs:</u></p> <p><u>Next Step</u> Planting, Initial Plant; Pesticide, (Inactive)Aerial</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> planted red pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p> |       |                         |              |           |          |                |                       |                          |               |             |

Total Treatment 397.7  
Acreage Proposed:

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 124  
Year of Entry: 2023

### Availability for Management

|       |           |                       |               |
|-------|-----------|-----------------------|---------------|
| Total | Acres     | <b>Acres Avail</b>    | Acres         |
| Acres | Available | <b>With Condition</b> | Not Available |

### Dominant Site Conditions

|       | Acres | Acres Avail | Acres Not Available | Dominant Site Condition | Dominant Site Conditions |           |    |    |    |    |    |   |
|-------|-------|-------------|---------------------|-------------------------|--------------------------|-----------|----|----|----|----|----|---|
|       |       |             |                     |                         | 5B                       | 5C        | 2G | 3J | 5A | 5E | ed |   |
| 383   | 379   | <b>3</b>    | 1                   | Aspen                   | <b>3</b>                 |           |    |    |    |    | 1  |   |
| 24    | 24    | <b>0</b>    | 0                   | Herbaceous Openland     |                          |           |    |    |    |    |    |   |
| 638   | 615   | <b>5</b>    | 18                  | Jack Pine               |                          | <b>5</b>  |    | 7  |    |    | 11 |   |
| 94    | 91    | <b>0</b>    | 3                   | Low-Density Trees       |                          |           |    |    |    |    | 3  |   |
| 9     | 0     | <b>0</b>    | 9                   | Lowland Conifers        |                          |           | 8  |    |    | 2  |    |   |
| 18    | 18    | <b>0</b>    | 0                   | Marsh                   |                          |           |    |    |    |    |    |   |
| 134   | 134   | <b>0</b>    | 0                   | Mixed Upland Deciduous  |                          |           |    |    |    |    |    |   |
| 193   | 134   | <b>47</b>   | 12                  | Oak                     | <b>9</b>                 | <b>38</b> |    |    |    |    | 12 | 0 |
| 88    | 88    | <b>0</b>    | 0                   | Red Pine                |                          |           |    |    |    |    |    |   |
| 1     | 1     | <b>0</b>    | 0                   | Sand, Soil              |                          |           |    |    |    |    |    |   |
| 121   | 112   | <b>9</b>    | 0                   | Upland Mixed Forest     | <b>9</b>                 |           |    |    |    |    | 0  |   |
| 1     | 1     | <b>0</b>    | 0                   | Water                   |                          |           |    |    |    |    |    |   |
| 1,705 | 1,598 | <b>64</b>   | 43                  | Total Forested Acres    | <b>21</b>                | <b>43</b> | 8  | 7  | 2  | 27 | 0  |   |
|       | 94%   | <b>4%</b>   | 3%                  | 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                     | 5E: Long-Term Retention                | 4     | Unspecified          | Unspecified          | Unspecified          | Unspecified          |
| <b>Comments:</b><br>-area retention for stand 9 |                                 |  |       |                      |                      |                      |                      |
| 2   | Available                       | 5B: Maintain for regeneration purposes | 5     | 2I: Survey needed    | Unspecified          | Unspecified          | Unspecified          |
| <b>Comments:</b>                                |                                 |  |       |                      |                      |                      |                      |
| 3   | Unavailable                     | 5E: Long-Term Retention                | 1     | Unspecified          | Unspecified          | Unspecified          | Unspecified          |
| <b>Comments:</b>                                |                                 |  |       |                      |                      |                      |                      |

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 124  
Year of Entry: 2023

|  |             |   |   |   |             |             |             |
|--|-------------|---|---|---|-------------|-------------|-------------|
| 4  | Unavailable | 5E: Long-Term Retention                                       | 1 | Unspecified                                       | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b><br>-area retention for stand 47 |             |   |   |   |             |             |             |
| 5  | Unavailable | 3J: Water quality / BMPs (stream, river, or lake)             | 7 | 5E: Long-Term Retention                           | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b>                                 |             |   |   |   |             |             |             |
| 6  | Unavailable | 5E: Long-Term Retention                                       | 1 | Unspecified                                       | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b><br>-area retention for stand 28 |             |   |   |   |             |             |             |
| 7  | Unavailable | 5E: Long-Term Retention                                       | 3 | 3J: Water quality / BMPs (stream, river, or lake) | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b>                                 |             |   |   |   |             |             |             |
| 8  | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 8 | Unspecified                                       | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b>                                 |             |   |   |   |             |             |             |
| 10   | Unspecified | Unspecified   | 0 |   |             |             |             |
| <b>Comments:</b>                                 |             |   |   |   |             |             |             |
| 11   | Available   | 5B: Maintain for regeneration purposes                        | 4 | Unspecified                                       | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b>                                 |             |   |   |   |             |             |             |

## Report 4 – Site Conditions

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Darrick Coy : Examiner

Compartment: 124  
Year of Entry: 2023

|   |             |  |    |  |                   |             |             |
|---|-------------|--|----|--|-------------------|-------------|-------------|
| 12  | Unavailable | 5A: Not able to obtain desirable regeneration                                | 2  | Unspecified  | Unspecified       | Unspecified | Unspecified |
| <b>Comments:</b>                                |             |  |    |  |                   |             |             |
| 13  | Unavailable | 5E: Long-Term Retention  | 1  | Unspecified  | Unspecified       | Unspecified | Unspecified |
| <b>Comments:</b>                                |             |  |    |  |                   |             |             |
| 14  | Unavailable | 5E: Long-Term Retention  | 2  | Unspecified  | Unspecified       | Unspecified | Unspecified |
| <b>Comments:</b>                                |             |  |    |  |                   |             |             |
| 15  | Unavailable | 5E: Long-Term Retention  | 0  | Unspecified  | Unspecified       | Unspecified | Unspecified |
| <b>Comments:</b>                                |             |  |    |  |                   |             |             |
| 16  | Available   | 5B: Maintain for regeneration purposes                                       | 9  | 5C: Delay treatment for age/size class diversity or exceptional site quality | 2I: Survey needed | Unspecified | Unspecified |
| <b>Comments:</b>                                |             |  |    |  |                   |             |             |
| 17  | Available   | 5C: Delay treatment for age/size class diversity or exceptional site quality | 38 | Unspecified  | Unspecified       | Unspecified | Unspecified |
| <b>Comments:</b>                                |             |  |    |  |                   |             |             |
| 18  | Unavailable | 5E: Long-Term Retention  | 5  | Unspecified  | Unspecified       | Unspecified | Unspecified |
| <b>Comments:</b><br>area retention for stand 40 |             |  |    |  |                   |             |             |

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 124  
Year of Entry: 2023

|  |             |  |   |             |             |             |             |
|--|-------------|--|---|-------------|-------------|-------------|-------------|
| 19   | Available   | 5B: Maintain for regeneration purposes                                       | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b>                                 |             |  |   |             |             |             |             |
| 20   | Unavailable | 5E: Long-Term Retention  | 0 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b><br>-area retention for stand 32 |             |  |   |             |             |             |             |
| 21   | Unavailable | 5E: Long-Term Retention  | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b><br>-area retention for stand 47 |             |  |   |             |             |             |             |
| 22   | Unavailable | 5E: Long-Term Retention  | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b><br>-area retention for stand 12 |             |  |   |             |             |             |             |
| 23   | Available   | 5C: Delay treatment for age/size class diversity or exceptional site quality | 5 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b>                                 |             |  |   |             |             |             |             |
| 24   | Unavailable | 5E: Long-Term Retention  | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b><br>-area retention for stand 58 |             |  |   |             |             |             |             |
| 25   | Unavailable | 5E: Long-Term Retention  | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b><br>-area retention for stand 76 |             |  |   |             |             |             |             |

# Report 4 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 124  
Year of Entry: 2023

|  |             |                         |   |             |             |             |             |
|--|-------------|-------------------------|---|-------------|-------------|-------------|-------------|
| 26   | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b><br>-area retention for stand 75 |             |                         |   |             |             |             |             |

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.

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| SCA Name | SCA Category | Detail Type | Recommendation | Acres |
|----------|--------------|-------------|----------------|-------|
|----------|--------------|-------------|----------------|-------|

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**Comments**

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### 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   |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
|--|--------------------------------|-----------------|---------|------------|----------|-----------------|--|-----|----------|----|----|---|----|--------------------|---------|-------------|-----------|------------------------|----------|-------------|---------|---|--------|--------------------|---------|-------------|------------------------|------------|----------|-------------|---------|--|--|--------------------|---------|-------------|------|-----------|--------|-------------|---------|--------------|--------|-------------|---------|------------------------|--------|-------------|---------|--|--|--|--|
| 1  | 42110 - Planted Red Pine       | Poletimber Well | 35.4    | 54         | 81-110   | N/A             | -1967 planting record, 36 acres, 800 tpa<br>-low site quality.<br>-cut 2 rows out<br>-past treatment completed 11/05/15<br>-res BA after harvest of TSale sheet says 70.....little low   |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
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| Canopy Species   | % Cover                        | Size Class      | DBH     | Age        |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Red Oak  | 5                              | Pole            | 8       |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Red Pine   | 93                             | Pole            | 8       | 54         |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Jack Pine  | 2                              | Pole            | 7       |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Sub-Canopy Species   | Density                        | Avg. Height     | Size    |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Oak (spp.)   | Medium                         | 5 - 10 feet     | Sapling |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| 2  | 4130 - Aspen                   | Poletimber Well | 3.0     | 74         | 81-110   | N/A             |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
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| Canopy Species   | % Cover                        | Size Class      | DBH     | Age        |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Bigtooth Aspen   | 100                            | Pole/Log        | 9       | 74         |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Sub-Canopy Species   | Density                        | Avg. Height     | Size    |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Black/Red (Hybrid) Oak   | Medium                         | Variable        | Sapling |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Black Cherry   | Medium                         | 5 - 10 feet     | Sapling |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| White Oak  | Low                            | Variable        | Sapling |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| 3  | 4131 - Aspen, Oak              | Sapling Medium  | 40.4    | 16         | Immature | N/A             | stand was species thinned in 2002 or 2005? SE corner of stand has a lot of oak residual. NW corner of stand doesn't have much regen.<br>-past treatment- clearcut<br>-sale number- 54-015-03-01<br>-sale map acres- 33<br>-PU 1<br>-leave trees- adv regen only<br>-volume (cds)- 6 rm, 200 bta, 96 jp<br>-completion- fall 2005   |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
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| Canopy Species   | % Cover                        | Size Class      | DBH     | Age        |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Red Maple  | 5                              | Sapling         | 2       |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Black/Red (Hybrid) Oak   | 10                             | Sapling         | 3       |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Red Oak  | 10                             | Log/Pole        | 12      | 92         |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Bigtooth Aspen   | 65                             | Sapling/Pole    | 3       | 16         |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Black/Red (Hybrid) Oak   | 10                             | Log/Pole        | 11      |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Sub-Canopy Species   | Density                        | Avg. Height     | Size    |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Red Maple  | Medium                         | 5 - 10 feet     | Sapling |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Black Cherry   | Medium                         | 5 - 10 feet     | Sapling |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Black/Red (Hybrid) Oak   | Medium                         | 5 - 10 feet     | Sapling |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| 4  | 3303 - Mixed Low Density Trees | Nonstocked      | 1.5     |            |          | No              |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| 5  | 3102 - Grass                   | Nonstocked      | 1.4     |            |          | Managed Opening |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| 6  | 3102 - Grass                   | Nonstocked      | 4.2     |            |          | Managed Opening |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| 7  | 42110 - Planted Red Pine       | Sawtimber Well  | 28.7    | 65         | 111-140  | N/A             | -1956 planting record, 21.5 acres, 700 trees per acre<br>-marked thinning completed 11/19/14<br>-res BA after harvest was 120<br><br>-past treatment- 3rd row thinning, outside of winter cut only, snowmobile trail concern<br>-sale number- 54-010-93-01<br>-sale map acres- 31<br>-leave trees- 2 remaining rows<br>-volume (cds)-251 rp, 59 jp, 15 mhwd<br>-completion- 9/8/93<br><br>90, 140, 160, 140, 120, 120, 130 |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
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| Canopy Species   | % Cover                        | Size Class      | DBH     | Age        |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Red Pine   | 100                            | Log/Pole        | 12      | 65         |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Sub-Canopy Species   | Density                        | Avg. Height     | Size    |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| Oak (spp.)   | Medium                         | 5 - 10 feet     | Sapling |            |          |                 |  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |
| 8  | 3303 - Mixed Low Density Trees | Nonstocked      | 1.7     |            |          | No              | -used as an old landing for red pine thinning to the west  |     |          |    |    |   |    |                    |         |             |           |                        |          |             |         |   |        |                    |         |             |                        |            |          |             |         |  |  |                    |         |             |      |           |        |             |         |              |        |             |         |                        |        |             |         |  |  |  |  |



| Stand                    | Level 4 Cover Type               | Size Density  | Acres          | Stand Age | BA Range   | Managed Site    | General Comments   |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
|--------------------------|----------------------------------|---|----------------|-----------|------------|-----------------|--|------------------------|----|--------------|----|----|----------------|----|--------------|----|----|----------------|----|--------------|----|--|----------------|----|--------------|---|--|---------------|----|--------------|----|--|---|--------------------|--------------|-------------|------|---|--------------------|----------|-------------|--------------|------------------------|-------------|-------------|--------------------------|--------------|-------------|-------------|------------------------|--------------|----------|-------------|---------|--------------------------|--------|-------------|---------|--|--|--|
| 9                        | 4310 - Pine, Oak Mix             | Sapling Medium  | 79.0           | 5         | Immature   | N/A             | -C. Zaremba regen survey previously completed<br>-was not included within FTP C54-1049 for planting to jp<br>-past treatment- clearcut<br>-leave trees- green trees<br>-volume (cds)- 64 rp, 1044 jp, 73 mo, 16 aspen, 8 mhwd<br>-completion- 2015   |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
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| Canopy Species           | % Cover                          | Size Class  | DBH            | Age       |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Black/Red (Hybrid) Oak   | 50                               | Sapling   | 1              | 5         |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Jack Pine                | 45                               | Sapling   | 1              |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Black Cherry             | 3                                | Sapling   | 1              |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Bigtooth Aspen           | 2                                | Sapling   | 1              |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| 10                       | 3102 - Grass                     | Nonstocked  | 8.0            |           |            | Managed Opening |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| 11                       | 4131 - Aspen, Oak                | Poletimber Well   | 56.5           | 27        | 51-80      | N/A             | few pockets of oak dominance.-past treatment- clearcut, outside of winter cut only, snowmobile trail concern-sale number- 54-005-93-01-sale map acres- 94 (current stands 11, 26, 35, and 37)-leave trees- all green painted trees-volume (cds)- jp 290 jp, 14 mo, 34 bta (current stands 26 and 35 only- 25 sale acres) 1,045 bta, 463 oak, 76 jp (current stands 11 and 37- 69 sale acres) -completion- 1994-oak composition is greater in semi-open area to the north |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
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| Canopy Species           | % Cover                          | Size Class  | DBH            | Age       |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Red Oak                  | 20                               | Pole/Sapling  | 5              |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Bigtooth Aspen           | 45                               | Pole/Sapling  | 5              | 27        |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Jack Pine                | 10                               | Sapling/Pole  | 4              |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Red Maple                | 10                               | Sapling/Pole  | 3              |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| White Oak                | 5                                | Pole/Sapling  | 5              |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Quaking Aspen            | 10                               | Pole/Sapling  | 5              |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Sub-Canopy Species       | Density                          | Avg. Height   | Size           |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Red Maple                | High                             | Variable  | Sapling        |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Black Cherry             | Medium                           | 5 - 10 feet   | Sapling        |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Red Oak                  | Low                              | Variable  | Sapling        |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Black/Red (Hybrid) Oak   | Medium                           | Variable  | Sapling        |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| 12                       | 4126 - White, Black, N. Pin Oak  | Sawtimber Well  | 27.1           | 86        | 51-80      | N/A             | -vha site, poor quality oak-semi open in canopy in places and patches of no adv regen  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
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| Canopy Species           | % Cover                          | Size Class  | DBH            | Age       |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Black/Red (Hybrid) Oak   | 50                               | Log/Pole  | 11             | 86        |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| White Oak                | 22                               | Log/Pole  | 10             |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Bigtooth Aspen           | 5                                | Log/Pole  | 10             |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Jack Pine                | 3                                | Pole  | 8              |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Red Oak                  | 20                               | Log/Pole  | 12             |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Sub-Canopy Species       | Density                          | Avg. Height   | Size           |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Red Maple                | Low                              | Variable  | Sapling        |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Black Cherry             | Medium                           | 5 - 10 feet   | Sapling        |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Serviceberry (Juneberry) | Low                              | 5 - 10 feet   | Sapling        |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Black/Red (Hybrid) Oak   | Medium                           | Variable  | Sapling        |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| 13                       | 4131 - Aspen, Oak                | Sapling Well  | 25.0           | 26        | 1-50       | N/A             | -past treatment- clearcut, outside of winter cut only, snowmobile trail concern<br>-sale number- 54-003-93-01<br>-sale map acres- 23 (st 13 only)<br>-leave trees- all rp and wp<br>-volume (cds)- 495 bta, 3 jp, 102 mo<br>-completion- fall 1994-oak more concentrated in n half where canopy is more broken   |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
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| Canopy Species           | % Cover                          | Size Class  | DBH            | Age       |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Black/Red (Hybrid) Oak   | 30                               | Sapling/Pole  | 4              | 26        |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Bigtooth Aspen           | 50                               | Sapling/Pole  | 4              | 26        |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Red Pine                 | 2                                | Sapling/Pole  | 4              |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Jack Pine                | 3                                | Sapling/Pole  | 4              |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Quaking Aspen            | 10                               | Sapling/Pole  | 4              |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Red Oak                  | 5                                | Sapling/Pole  | 4              |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Sub-Canopy Species       | Density                          | Avg. Height   | Size           |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Black/Red (Hybrid) Oak   | Medium                           | 5 - 10 feet   | Sapling        |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Red Maple                | Medium                           | 5 - 10 feet   | Sapling        |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Black Cherry             | Medium                           | 5 - 10 feet   | Sapling        |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| Serviceberry (Juneberry) | Medium                           | 5 - 10 feet   | Sapling        |           |            |                 |  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |
| 14                       | 3302 - Low Density Conifer Trees | Nonstocked  | 2.9            |           |            | No              | scattered pole jp  |                        |    |              |    |    |                |    |              |    |    |                |    |              |    |  |                |    |              |   |  |               |    |              |    |  |   |                    |              |             |      |   |                    |          |             |              |                        |             |             |                          |              |             |             |                        |              |          |             |         |                          |        |             |         |  |  |  |



| Stand  | Level 4 Cover Type                         | Size Density      | Acres   | Stand Age  | BA Range | Managed Site    | General Comments  |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
|--|--|-------------------|---------|------------|----------|-----------------|---|----|--------------|----|----|------------------------|----|--------------|----|----|---|----|--------------------|---------|-------------|---|------------------------|--------------------|-------------|-------------|--------------|--------------|-------------|-------------|-----------|------------------------|----------|----------|----|--|--|--|--------------------|---------|-------------|------|-----------|------|----------|---------|------------|-----|----------|---------|---------|--------|----------|---------|--------------|--------|----------|---------|
| 15   | 42121 - Planted Jack Pine, Mixed Deciduous | Sapling Well      | 10.3    | 18         | 1-50     | N/A             | stand has a lot of jack pine and oak residual.<br>-past treatment- clearcut<br>-sale number- 54-015-03-01<br>-sale map acres- 10<br>-PU 2<br>-leave trees- clumps of 5 dominant jp every 2 tree heights<br>-volume (cds)- 140 jp<br>-completion- fall 2005  |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
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| Canopy Species   | % Cover                                    | Size Class        | DBH     | Age        |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Black/Red (Hybrid) Oak   | 30   | Sapling/Pole      | 3       | 18         |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Jack Pine  | 70   | Sapling/Pole      | 3       | 18         |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Sub-Canopy Species   | Density                                    | Avg. Height       | Size    |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Black Cherry   | Medium                                     | 5 - 10 feet       | Sapling |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| 16   | 4310 - Pine, Oak Mix                       | Sapling Well      | 15.3    | 15         | Immature | N/A             | -this area appears to be all natural regenplantation of jack pine.<br>pockets of natural regen, up to 6ft tall. scattered mature jack pine.<br>-past treatment- clearcut-sale number- 54-015-03-01-sale map acres- 404<br>-leave trees- all oak and 3-5 pole sized trees per acre-volume (cds)- 73<br>-aspens, 125 rp, 3,655 jp, 52 mo-completion- winter 2004-2005-<br>-natural regeneration |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
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| Canopy Species   | % Cover                                    | Size Class        | DBH     | Age        |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Jack Pine  | 55   | Sapling           | 2       | 15         |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Black/Red (Hybrid) Oak   | 20   | Sapling           | 2       |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Quaking Aspen  | 25   | Sapling           | 2       |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Sub-Canopy Species   | Density                                    | Avg. Height       | Size    |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Black Cherry   | Medium                                     | 5 - 10 feet       | Sapling |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| 17   | 3102 - Grass                               | Nonstocked        | 2.9     |            |          | Managed Opening |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| 18   | 4124 - Red with White Oak                  | Sawtimber Well    | 38.4    | 97         | 81-110   | N/A             | -cut all aspen and orange trees in 2015<br>-past treatment- thinning to 80 BA<br>-leave trees- 90 BA<br>-volume (cds)- 50 mhwd, 120 mo, 123 aspen, 21 jp<br>-completion- 2015<br><br>-cored 82, 96<br>-hybrid blk/red to ne portion of stand, vha/vvb there<br>-heavy browse on all regen   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
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| Canopy Species   | % Cover                                    | Size Class        | DBH     | Age        |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Red Maple  | 1  | Log/Pole          | 10      |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Red Oak  | 55   | Log/Pole          | 13      | 97         |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| White Oak  | 30   | Log/Pole          | 12      |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| White Pine   | 4  | Log/XLog          | 15      |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Red Pine   | 4  | Log/XLog          | 15      |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Black/Red (Hybrid) Oak   | 6  | Log/Pole          | 12      |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Sub-Canopy Species   | Density                                    | Avg. Height       | Size    |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Red Maple  | High                                       | < 5 feet          | Sapling |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| White Pine   | Low  | Variable          | Sapling |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Red Oak  | Medium                                     | < 5 feet          | Sapling |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Black Cherry   | Medium                                     | < 5 feet          | Sapling |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| 19   | 310 - Herbaceous Openland                  | Nonstocked        | 1.3     |            | Immature | No              | -old stand notes say this was a niagran gas pad in 70's -recent landing site, slash scattered in opening  |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| 20   | 42220 - Natural Jack Pine                  | Poletimber Medium | 8.3     | 84         | 51-80    | N/A             | vha   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
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| Canopy Species   | % Cover                                    | Size Class        | DBH     | Age        |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Black/Red (Hybrid) Oak   | 5  | Pole/Log          | 9       |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Jack Pine  | 95   | Pole/Log          | 9       | 84         |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Sub-Canopy Species   | Density                                    | Avg. Height       | Size    |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Black/Red (Hybrid) Oak   | Medium                                     | Variable          | Sapling |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Black Cherry   | Medium                                     | 5 - 10 feet       | Sapling |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |
| Red Maple  | Low  | Variable          | Sapling |            |          |                 |   |    |              |    |    |                        |    |              |    |    |   |    |                    |         |             |   |                        |                    |             |             |              |              |             |             |           |                        |          |          |    |  |  |  |                    |         |             |      |           |      |          |         |            |     |          |         |         |        |          |         |              |        |          |         |



| Stand  | Level 4 Cover Type                         | Size Density    | Acres   | Stand Age  | BA Range | Managed Site | General Comments   |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
|--|--|-----------------|---------|------------|----------|--------------|--|-----|--------------|----|----|--|----|--------------------|---------|-------------|---|------------------------|--------------------|-------------|-------------|---------------|--------------|-------------|-------------|---------|--|----|--------------------|---------|-------------|-----------|------------------------|--------------|----------|---------|---|--|--------------------|---------|-------------|------|--------------|--------|-------------|---------|--|--|--|
| 21   | 4199 - Other Mixed Upland Deciduous        | Sapling Medium  | 37.8    | 16         | 1-50     | N/A          | portion of stand burned before it was harvested.<br>-past treatment- clearcut<br>-sale number- 54-015-03-01<br>-sale map acres- 68<br>-PU 4<br>-leave trees- adv regen only<br>-volume (cgs)- 1066 jp, 50 bta, 6 rm<br>-completion- fall 2005<br><br>FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 63, 64, and 21)<br>acres planted- 97<br>completion date- 5/2007 |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
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| Canopy Species   | % Cover                                    | Size Class      | DBH     | Age        |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Red Oak  | 10   | Sapling         | 1       |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Jack Pine  | 15   | Sapling         | 3       |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Red Maple  | 15   | Sapling         | 2       |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Quaking Aspen  | 20   | Sapling         | 2       |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Black/Red (Hybrid) Oak   | 30   | Sapling/Pole    | 3       | 16         |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| White Oak  | 10   | Sapling/Pole    | 3       |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Sub-Canopy Species   | Density                                    | Avg. Height     | Size    |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Black Cherry   | Medium                                     | 5 - 10 feet     | Sapling |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| 22   | 42220 - Natural Jack Pine                  | Poletimber Well | 15.3    | 63         | 51-80    | N/A          | -east half is 10-15 years younger (50-55 years), considered as an inclusion, ages were averaged  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
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| Canopy Species   | % Cover                                    | Size Class      | DBH     | Age        |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Red Oak  | 2  | Log/Pole        | 12      |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Quaking Aspen  | 10   | Pole            | 7       |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Red Pine   | 5  | Log             | 13      |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Jack Pine  | 83   | Pole            | 7       | 63         |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Sub-Canopy Species   | Density                                    | Avg. Height     | Size    |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Black/Red (Hybrid) Oak   | Medium                                     | Variable        | Sapling |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| 23   | 42121 - Planted Jack Pine, Mixed Deciduous | Sapling Well    | 26.3    | 18         | 1-50     | N/A          | stand has a lot of jack pine and oak residual.<br>-past treatment- clearcut<br>-sale number- 54-015-03-01<br>-sale map acres- 26<br>-PU 3<br>-leave trees- clumps of 5 dominant jp every 2 tree heights<br>-volume (cgs)- 269 jp<br>-completion- fall 2005   |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
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| Canopy Species   | % Cover                                    | Size Class      | DBH     | Age        |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Black/Red (Hybrid) Oak   | 30   | Sapling/Pole    | 3       | 18         |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Jack Pine  | 70   | Sapling/Pole    | 3       | 18         |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Sub-Canopy Species   | Density                                    | Avg. Height     | Size    |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Black Cherry   | Medium                                     | 5 - 10 feet     | Sapling |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| 24   | 4130 - Aspen                               | Sapling Well    | 17.6    | 5          | Immature | N/A          | -past treatment- clearcut-sale number- 54-021-03-01-leave trees-green marked trees-volume (cgs)- 311 mo, 208 aspen, 28 mhwd-completion- 2015-heavy browse on oak, aspen is overtopping oak now and more in future  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
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| Canopy Species   | % Cover                                    | Size Class      | DBH     | Age        |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Bigtooth Aspen   | 80   | Sapling         | 1       | 5          |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Red Maple  | 5  | Sapling         | 1       |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Red Oak  | 5  | Log             | 13      |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Red Oak  | 10   | Sapling         | 1       |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Sub-Canopy Species   | Density                                    | Avg. Height     | Size    |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Black Cherry   | Medium                                     | < 5 feet        | Sapling |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| 25   | 42110 - Planted Red Pine                   | Sawtimber Well  | 14.0    | 63         | 111-140  | N/A          | -1958 planting record, 20 acres, 650 trees/acre<br>-was 3rd row thinned<br>-past treatment completed 12/08/14<br>-res BA after harvest is 111  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
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| Canopy Species   | % Cover                                    | Size Class      | DBH     | Age        |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Red Pine   | 100  | Log/Pole        | 11      | 63         |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Sub-Canopy Species   | Density                                    | Avg. Height     | Size    |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Black/Red (Hybrid) Oak   | Medium                                     | 5 - 10 feet     | Sapling |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |
| Black Cherry   | Medium                                     | 5 - 10 feet     | Sapling |            |          |              |  |     |              |    |    |  |    |                    |         |             |   |                        |                    |             |             |               |              |             |             |         |  |    |                    |         |             |           |                        |              |          |         |   |  |                    |         |             |      |              |        |             |         |  |  |  |



| Stand  | Level 4 Cover Type             | Size Density    | Acres   | Stand Age  | BA Range | Managed Site    | General Comments  |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
|--|--------------------------------|-----------------|---------|------------|----------|-----------------|---|----|----------|----|----|-----------|----|--------------|----|----|--|----|--------------------|---------|-------------|--|------------------------|--------------------|-------------|-------------|------------------------|--------------|-------------|----------|-----------|---|-------------|--------------------|---------|-------------|------|-----------|--------|----------|---------|--------------------------|--------|-------------|---------|--------------|--------|-------------|---------|
| <b>26</b>  | 42120 - Planted Jack Pine      | Sapling Well    | 15.2    | 26         | 51-80    | N/A             | -past treatment- clearcut, outside of winter cut only, snowmobile trail concern-sale number- 54-005-93-01-sale map acres- 94 (current stands 11, 26, 35, and 37)-leave trees- all green painted trees-volume (cde)- jp 290 jp, 14 mo, 34 bta (current stands 26 and 35 only- 25 sale acres) 1,045 bta, 463 oak, 76 jp (current stands 11 and 37- 69 sale acres) -completion- 1994-FTP- C64-640- trenching and planting to jack pine (current stands 26 and 35)-acres- 22-conditions- unknown-completion date- 06/1995 |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
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| Canopy Species   | % Cover                        | Size Class      | DBH     | Age        |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Red Oak  | 5                              | Sapling         | 2       |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Jack Pine  | 90                             | Sapling/Pole    | 4       | 26         |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Quaking Aspen  | 5                              | Sapling/Pole    | 4       |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Sub-Canopy Species   | Density                        | Avg. Height     | Size    |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Black Cherry   | Medium                         | < 5 feet        | Sapling |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Oak (spp.)   | Medium                         | 5 - 10 feet     | Sapling |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| <b>27</b>  | 3102 - Grass                   | Nonstocked      | 1.5     |            |          | Managed Opening |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| <b>28</b>  | 4124 - Red with White Oak      | Sawtimber Well  | 12.4    | 83         | 81-110   | N/A             | dry site. north part of stand burned around 2007.   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
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| Canopy Species   | % Cover                        | Size Class      | DBH     | Age        |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Red Maple  | 5                              | Pole            | 7       |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Red Oak  | 40                             | Log/Pole        | 13      | 83         |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| White Oak  | 25                             | Log/Pole        | 11      |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Bigtooth Aspen   | 25                             | Log/Pole        | 11      |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Black/Red (Hybrid) Oak   | 5                              | Log/Pole        | 11      |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Sub-Canopy Species   | Density                        | Avg. Height     | Size    |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Red Maple  | Low                            | >20 feet        | Sapling |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Black Cherry   | Low                            | 5 - 10 feet     | Sapling |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| <b>29</b>  | 42110 - Planted Red Pine       | Sawtimber Well  | 4.3     | 63         | 81-110   | N/A             | -1958 planting record, 20 acres, 650 trees/acre<br>-was 3rd row thinned<br>-past treatment completed 12/08/14<br>-res BA after harvest is 82 off TSale  |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
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| Canopy Species   | % Cover                        | Size Class      | DBH     | Age        |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Red Pine   | 90                             | Log/Pole        | 12      | 63         |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Jack Pine  | 10                             | Pole/Log        | 8       |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Sub-Canopy Species   | Density                        | Avg. Height     | Size    |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Black/Red (Hybrid) Oak   | Medium                         | 5 - 10 feet     | Sapling |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Black Cherry   | Medium                         | 5 - 10 feet     | Sapling |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Red Maple  | Medium                         | 5 - 10 feet     | Sapling |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| <b>30</b>  | 3303 - Mixed Low Density Trees | Nonstocked      | 2.7     |            |          | No              | cherry brush, jp saps, and outside edge of stand has oak regen  |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| <b>31</b>  | 4130 - Aspen                   | Poletimber Well | 6.8     | 51         | 51-80    | N/A             |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
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| Canopy Species   | % Cover                        | Size Class      | DBH     | Age        |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Red Oak  | 5                              | Log             | 12      |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| White Oak  | 5                              | Log             | 12      |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Quaking Aspen  | 45                             | Pole/Log        | 8       | 51         |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Red Maple  | 5                              | Pole/Sapling    | 6       |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Bigtooth Aspen   | 40                             | Pole/Log        | 8       |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Sub-Canopy Species   | Density                        | Avg. Height     | Size    |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Red Maple  | Medium                         | Variable        | Sapling |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Serviceberry (Juneberry)   | Medium                         | 5 - 10 feet     | Sapling |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |
| Black Cherry   | Medium                         | 5 - 10 feet     | Sapling |            |          |                 |   |    |          |    |    |           |    |              |    |    |  |    |                    |         |             |  |                        |                    |             |             |                        |              |             |          |           |   |             |                    |         |             |      |           |        |          |         |                          |        |             |         |              |        |             |         |



| Stand                  | Level 4 Cover Type        | Size Density    | Acres   | Stand Age | BA Range | Managed Site | General Comments  |
|------------------------|---------------------------|-----------------|---------|-----------|----------|--------------|---|
| <b>32</b>              | 4131 - Aspen, Oak         | Poletimber Well | 15.3    | 65        | 81-110   | N/A          | look at harvesting in 10 years  |
| Canopy Species         | % Cover                   | Size Class      | DBH     | Age       |          |              |   |
| Black/Red (Hybrid) Oak | 20                        | Log/Pole        | 11      | 83        |          |              |   |
| Bigtooth Aspen         | 49                        | Pole/Log        | 9       | 65        |          |              |   |
| Jack Pine              | 5                         | Pole            | 8       |           |          |              |   |
| Red Oak                | 5                         | Log/Pole        | 12      |           |          |              |   |
| Quaking Aspen          | 16                        | Pole/Log        | 8       |           |          |              |   |
| White Oak              | 5                         | Log/Pole        | 12      |           |          |              |   |
| Sub-Canopy Species     | Density                   | Avg. Height     | Size    |           |          |              |   |
| Red Maple              | Medium                    | Variable        | Sapling |           |          |              |   |
| White Oak              | Low                       | Variable        | Sapling |           |          |              |   |
| Black Cherry           | Medium                    | 5 - 10 feet     | Sapling |           |          |              |   |
| Black/Red (Hybrid) Oak | Medium                    | Variable        | Sapling |           |          |              |   |
| <b>33</b>              | 4131 - Aspen, Oak         | Sapling Well    | 23.4    | 27        | 1-50     | N/A          | south part of stand is a mix of oak and jack pine.<br>-past treatment- clearcut, outside of winter cut only, snowmobile trail concern<br>-sale number- 54-003-93-01<br>-sale map acres- 20 (st 33 only)<br>-leave trees- all rp and wp<br>-volume (cds)- 357 bta, 10 jp, 88 mo<br>-completion- fall 1994-most overstory oak is in south half where canopy is more open  |
| Canopy Species         | % Cover                   | Size Class      | DBH     | Age       |          |              |   |
| Northern Pin Oak       | 30                        | Sapling/Pole    | 4       |           |          |              |   |
| Bigtooth Aspen         | 40                        | Sapling/Pole    | 4       | 27        |          |              |   |
| Jack Pine              | 5                         | Sapling/Pole    | 4       |           |          |              |   |
| White Oak              | 5                         | Sapling/Pole    | 4       |           |          |              |   |
| Red Maple              | 10                        | Sapling/Pole    | 3       |           |          |              |   |
| Quaking Aspen          | 10                        | Sapling/Pole    | 4       |           |          |              |   |
| Sub-Canopy Species     | Density                   | Avg. Height     | Size    |           |          |              |   |
| Red Maple              | Medium                    | 5 - 10 feet     | Sapling |           |          |              |   |
| Black Cherry           | Medium                    | 5 - 10 feet     | Sapling |           |          |              |   |
| White Oak              | Medium                    | 5 - 10 feet     | Sapling |           |          |              |   |
| Northern Pin Oak       | Medium                    | 5 - 10 feet     | Sapling |           |          |              |   |
| <b>34</b>              | 42120 - Planted Jack Pine | Sapling Well    | 43.6    | 14        | Immature | N/A          | stand has a lot of oak regen in west side. will probably be able to type out second stand next entry.<br>-past treatment- clearcut<br>-sale number- 54-030-03-01<br>-sale map acres- 134<br>-PU 5 (current stands 61, 60, 34, and 65)<br>-leave trees- adv regen only<br>-volume (cds)- 1,991 jp, 120 bta<br>-completion- spring 2006<br><br>FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 64, and 21- it appears that only stand 34 was planted or successful)<br>acres planted- 97<br>completion date- 5/2007<br><br>-heavy browse on subcanopy oak |
| Canopy Species         | % Cover                   | Size Class      | DBH     | Age       |          |              |   |
| Black/Red (Hybrid) Oak | 2                         | Log             | 11      |           |          |              |   |
| Black/Red (Hybrid) Oak | 3                         | Sapling         | 2       | 15        |          |              |   |
| Quaking Aspen          | 5                         | Sapling         | 2       | 15        |          |              |   |
| Red Pine               | 1                         | Log             | 13      |           |          |              |   |
| Jack Pine              | 89                        | Sapling         | 2       | 14        |          |              |   |
| Sub-Canopy Species     | Density                   | Avg. Height     | Size    |           |          |              |   |
| Black Cherry           | Medium                    | 5 - 10 feet     | Sapling |           |          |              |   |
| Black/Red (Hybrid) Oak | Medium                    | Variable        | Sapling |           |          |              |   |
| <b>35</b>              | 42120 - Planted Jack Pine | Sapling Well    | 8.0     | 26        | 51-80    | N/A          | -past treatment- clearcut, outside of winter cut only, snowmobile trail concern-sale number- 54-005-93-01-sale map acres- 94 (current stands 11, 26, 35, and 37)-leave trees- all green painted trees-volume (cds)- jp 290 jp, 14 mo, 34 bta (current stands 26 and 35 only- 25 sale acres) 1,045 bta, 463 oak, 76 jp (current stands 11 and 37- 69 sale acres) -completion- 1994-FTP- C64-640- trenching and planting to jack pine (current stands 26 and 35)-acres- 22-conditions- unknown-completion date- 06/1995   |
| Canopy Species         | % Cover                   | Size Class      | DBH     | Age       |          |              |   |
| Black/Red (Hybrid) Oak | 10                        | Sapling/Pole    | 3       |           |          |              |   |
| Quaking Aspen          | 2                         | Sapling/Pole    | 3       |           |          |              |   |
| Jack Pine              | 88                        | Sapling/Pole    | 3       | 26        |          |              |   |
| Sub-Canopy Species     | Density                   | Avg. Height     | Size    |           |          |              |   |
| Black Cherry           | Low                       | 5 - 10 feet     | Sapling |           |          |              |   |
| Oak (spp.)             | Low                       | Variable        | Sapling |           |          |              |   |
| Red Maple              | Low                       | Variable        | Sapling |           |          |              |   |



| Stand                  | Level 4 Cover Type                  | Size Density      | Acres   | Stand Age | BA Range | Managed Site            | General Comments   |                        |         |              |         |     |
|------------------------|-------------------------------------|-------------------|---------|-----------|----------|-------------------------|--|------------------------|---------|--------------|---------|-----|
| 36                     | 330 - Low-Density Trees             | Nonstocked        | 15.4    | 0         |          | 4211 - Planted Red Pine | FTP C54-1049Trenched on 11/12/15Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stockYear 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/acHerbicide on 9/10/17Year 2 survey 6/26/18, red pine 500 TPA. Replanted in 2019.Year 1 replant survey 10/4/19 looks great; did walkthrough. Seedlings are tall and healthy with good buds. Wet area to the west. Lots of natural jack pine regen. 90% FTG 900 TPA of RP 3.5 ft tall RP |                        |         |              |         |     |
|                        |                                     |                   |         |           |          |                         |  | Sub-Canopy Species     | Density | Avg. Height  | Size    |     |
|                        |                                     |                   |         |           |          |                         |  | Red Pine               | High    | < 5 feet     | Sapling |     |
|                        |                                     |                   |         |           |          |                         |  | Jack Pine              | Medium  | < 5 feet     | Sapling |     |
|                        |                                     |                   |         |           |          |                         |  | Black Cherry           | Low     | < 5 feet     | Sapling |     |
|                        |                                     |                   |         |           |          |                         |  | Red Maple              | Trace   | < 5 feet     | Sapling |     |
| Red Oak                | Trace                               | < 5 feet          | Sapling |           |          |                         |  |                        |         |              |         |     |
| 37                     | 4199 - Other Mixed Upland Deciduous | Sapling Well      | 22.4    | 27        | 1-50     | N/A                     | scattered mature oak.-past treatment- clearcut, outside of winter cut only, snowmobile trail concern-sale number- 54-005-93-01-sale map acres- 94 (current stands 11, 26, 35, and 37)-leave trees- all green painted trees-volume (cds)- jp 290 jp, 14 mo, 34 bta (current stands 26 and 35 only- 25 sale acres) 1,045 bta, 463 oak, 76 jp (current stands 11 and 37- 69 sale acres) -completion- 1994                                       |                        |         |              |         |     |
|                        |                                     |                   |         |           |          |                         |  | Canopy Species         | % Cover | Size Class   | DBH     | Age |
|                        |                                     |                   |         |           |          |                         |  | Red Maple              | 15      | Sapling      | 2       |     |
|                        |                                     |                   |         |           |          |                         |  | Red Oak                | 10      | Sapling/Pole | 3       |     |
|                        |                                     |                   |         |           |          |                         |  | White Oak              | 10      | Sapling/Pole | 3       |     |
|                        |                                     |                   |         |           |          |                         |  | Quaking Aspen          | 25      | Sapling/Pole | 3       |     |
|                        |                                     |                   |         |           |          |                         |  | Jack Pine              | 5       | Sapling/Pole | 3       |     |
|                        |                                     |                   |         |           |          |                         |  | Black/Red (Hybrid) Oak | 30      | Sapling      | 3       | 27  |
|                        |                                     |                   |         |           |          |                         |  | Black/Red (Hybrid) Oak | 5       | Log          | 12      |     |
|                        |                                     |                   |         |           |          |                         |  | Sub-Canopy Species     | Density | Avg. Height  | Size    |     |
|                        |                                     |                   |         |           |          |                         |  | Black/Red (Hybrid) Oak | Medium  | Variable     | Sapling |     |
| Red Oak                | Low                                 | Variable          | Sapling |           |          |                         |  |                        |         |              |         |     |
| Red Maple              | Medium                              | Variable          | Sapling |           |          |                         |  |                        |         |              |         |     |
| White Oak              | Low                                 | Variable          | Sapling |           |          |                         |  |                        |         |              |         |     |
| Black Cherry           | Medium                              | 5 - 10 feet       | Sapling |           |          |                         |  |                        |         |              |         |     |
| 38                     | 42220 - Natural Jack Pine           | Poletimber Medium | 5.1     | 73        | 81-110   | N/A                     |  |                        |         |              |         |     |
|                        |                                     |                   |         |           |          |                         |  | Canopy Species         | % Cover | Size Class   | DBH     | Age |
|                        |                                     |                   |         |           |          |                         |  | Black/Red (Hybrid) Oak | 10      | Log/Pole     | 11      |     |
|                        |                                     |                   |         |           |          |                         |  | Jack Pine              | 90      | Pole/Log     | 9       | 73  |
| Sub-Canopy Species     | Density                             | Avg. Height       | Size    |           |          |                         |  |                        |         |              |         |     |
| Jack Pine              | Low                                 | 5 - 10 feet       | Sapling |           |          |                         |  |                        |         |              |         |     |
| Black/Red (Hybrid) Oak | Medium                              | Variable          | Sapling |           |          |                         |  |                        |         |              |         |     |
| 39                     | 4130 - Aspen                        | Poletimber Well   | 24.8    | 37        | 51-80    | N/A                     | -past treatment- clearcut<br>-sale number- 54-036-83-01<br>-sale map acres- 20<br>-leave trees- none<br>-volume (cds)- 150 aspen, 20 ro, 14 jp, 30 rp<br>-completion- 1/26/84  |                        |         |              |         |     |
|                        |                                     |                   |         |           |          |                         |  | Canopy Species         | % Cover | Size Class   | DBH     | Age |
|                        |                                     |                   |         |           |          |                         |  | Red Oak                | 10      | Pole/Sapling | 5       |     |
|                        |                                     |                   |         |           |          |                         |  | Quaking Aspen          | 55      | Pole/Sapling | 5       | 37  |
|                        |                                     |                   |         |           |          |                         |  | Bigtooth Aspen         | 30      | Pole/Sapling | 5       |     |
|                        |                                     |                   |         |           |          |                         |  | Jack Pine              | 5       | Pole/Sapling | 5       |     |
|                        |                                     |                   |         |           |          |                         |  | Sub-Canopy Species     | Density | Avg. Height  | Size    |     |
| Red Maple              | High                                | Variable          | Sapling |           |          |                         |  |                        |         |              |         |     |
| Black Cherry           | Medium                              | 5 - 10 feet       | Sapling |           |          |                         |  |                        |         |              |         |     |
| 40                     | 4123 - Red Oak                      | Sawtimber Well    | 66.3    | 88        | 81-110   | N/A                     | -past treatment- thinning, cut all marked trees and all aspen in painted pockets<br>-sale number- 54-012-03-01<br>-sale map acres- 86<br>-PU 2 and 3<br>-leave trees- 80 BA<br>-volume (cds)-<br>-completion- 2006   |                        |         |              |         |     |
|                        |                                     |                   |         |           |          |                         |  | Canopy Species         | % Cover | Size Class   | DBH     | Age |
|                        |                                     |                   |         |           |          |                         |  | Red Oak                | 55      | Log/Pole     | 13      | 88  |
|                        |                                     |                   |         |           |          |                         |  | White Oak              | 19      | Log/Pole     | 11      |     |
|                        |                                     |                   |         |           |          |                         |  | Red Pine               | 4       | Log/XLog     | 16      |     |
|                        |                                     |                   |         |           |          |                         |  | Bigtooth Aspen         | 2       | Log/Pole     | 11      |     |
|                        |                                     |                   |         |           |          |                         |  | Black/Red (Hybrid) Oak | 20      | Log/Pole     | 12      |     |
|                        |                                     |                   |         |           |          |                         |  | Sub-Canopy Species     | Density | Avg. Height  | Size    |     |
|                        |                                     |                   |         |           |          |                         |  | Red Maple              | Medium  | 5 - 10 feet  | Sapling |     |
|                        |                                     |                   |         |           |          |                         |  | Bigtooth Aspen         | Low     | 10 - 20 feet | Sapling |     |
| Black Cherry           | Medium                              | 5 - 10 feet       | Sapling |           |          |                         |  |                        |         |              |         |     |
| White Oak              | Medium                              | Variable          | Sapling |           |          |                         |  |                        |         |              |         |     |
| Black/Red (Hybrid) Oak | Medium                              | Variable          | Sapling |           |          |                         |  |                        |         |              |         |     |
| Red Oak                | Low                                 | Variable          | Sapling |           |          |                         |  |                        |         |              |         |     |



| Stand   | Level 4 Cover Type                         | Size Density   | Acres      | Stand Age          | BA Range | Managed Site            | General Comments   |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
|---|--|--|------------|--------------------|----------|-------------------------|--|----------|--------------|----------|---------|---------------|-------|--------------|---------|--------------|----------------|----------|--------------|-----------|-------|----------------|---------|--------------|-------|----------|--|----|--------------------|---------|-------------|----------|-----------|----------|--------------|---------|---|--------|--------------------|------------|-------------|--------|-------------|---------|----------|---------|------------|-----|----------|---------|-----------|-----|----------|---------|----------------------|--------|----------|------------|----------------|-----|-------------|---------|------------|--------|----------|---------|
| <b>41</b>   | 4130 - Aspen                               | Poletimber Well  | 34.5       | 37                 | 81-110   | N/A                     | -past treatment- clearcut-sale number- 54-037-83-01-sale map acres- 27 -leave trees- none-volume (cds)- 313 aspen, 240 ro, 51 wo, 3 rm-completion- 10/4/84-vvb site on east 2/3rds and vhavvb on west 1/3rd where more white oak and overstory oak are found   |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>15</td> <td>Pole/Sapling</td> <td>5</td> <td>37</td> </tr> <tr> <td>Red Oak</td> <td>15</td> <td>Pole/Sapling</td> <td>6</td> <td>37</td> </tr> <tr> <td>White Oak</td> <td>2</td> <td>Pole/Sapling</td> <td>6</td> <td>37</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>68</td> <td>Pole/Sapling</td> <td>6</td> <td>37</td> </tr> </tbody> </table>   |  | Canopy Species   | % Cover    | Size Class         | DBH      | Age                     | Red Maple  | 15       | Pole/Sapling | 5        | 37      | Red Oak       | 15    | Pole/Sapling | 6       | 37           | White Oak      | 2        | Pole/Sapling | 6         | 37    | Bigtooth Aspen | 68      | Pole/Sapling | 6     | 37       | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>White Oak</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table> |    | Sub-Canopy Species | Density | Avg. Height | Size     | Red Maple | High     | 10 - 20 feet | Sapling | Witch Hazel   | Medium | 5 - 10 feet        | Tall Shrub | White Oak   | Medium | 5 - 10 feet | Sapling |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Canopy Species  | % Cover                                    | Size Class   | DBH        | Age                |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Red Maple   | 15   | Pole/Sapling   | 5          | 37                 |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Red Oak   | 15   | Pole/Sapling   | 6          | 37                 |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| White Oak   | 2  | Pole/Sapling   | 6          | 37                 |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Bigtooth Aspen  | 68   | Pole/Sapling   | 6          | 37                 |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Sub-Canopy Species  | Density                                    | Avg. Height  | Size       |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Red Maple   | High                                       | 10 - 20 feet   | Sapling    |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Witch Hazel   | Medium                                     | 5 - 10 feet  | Tall Shrub |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| White Oak   | Medium                                     | 5 - 10 feet  | Sapling    |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| <b>42</b>   | 3102 - Grass                               | Nonstocked   | 4.3        |                    |          | Managed Opening         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| <b>43</b>   | 4130 - Aspen                               | Sapling Well   | 36.6       | 27                 | 51-80    | N/A                     | few pockets of tag alder and low ground.<br>-past treatment- clearcut, winter cut only<br>-sale number- 54-003-93-01<br>-sale map acres- 63 (current stands 43 and 48<br>-leave trees- all rp and wp<br>-volume (cds)- 1286 aspen, 35 jp, 257 mhwd<br>-completion- spring 1994   |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
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| Canopy Species  | % Cover                                    | Size Class   | DBH        | Age                |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Red Maple   | 17   | Sapling/Pole   | 3          |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Quaking Aspen   | 10   | Sapling/Pole   | 4          |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Bigtooth Aspen  | 70   | Sapling/Pole   | 4          | 27                 |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Red Pine  | 3  | Log/XLog   | 16         |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Sub-Canopy Species  | Density                                    | Avg. Height  | Size       |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Red Maple   | High                                       | Variable   | Sapling    |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Black Cherry  | Medium                                     | 5 - 10 feet  | Sapling    |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| <b>44</b>   | 330 - Low-Density Trees                    | Nonstocked   | 55.5       | 0                  |          | 4211 - Planted Red Pine | Cut in 2015<br>FTP C54-1049<br>Trenched on 11/12/15<br>Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stock<br>Year 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/ac<br>Herbicide on 9/10/17<br>Year 1 replant survey 10/4/19, looks great, slam dunk. Did walkthrough.<br>Several acres of wet, bog-like area northeast of the retention pocket.  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
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| Sub-Canopy Species  | Density                                    | Avg. Height  | Size       |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Red Pine  | High                                       | < 5 feet   | Sapling    |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Jack Pine   | Trace                                      | < 5 feet   | Sapling    |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Black Cherry  | Trace                                      | < 5 feet   | Sapling    |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Red Maple   | Trace                                      | < 5 feet   | Sapling    |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Red Oak   | Trace                                      | < 5 feet   | Sapling    |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| <b>45</b>   | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Medium   | 18.3       | 96                 | 51-80    | N/A                     | stand has a lot of diversity. areas of upland and low ground. portions of stand is upland oak, others is an e-type and ne part of stand is pine, oak and maple.-selection cut- cut all aspen and orange trees-leave trees- 100 BA (inventory BA is closer to 50)-volume (cds)- 180 mhwd, 76 bsw, 14 rp, 68 mo, 22 aspen-completion- 2015-past treatment- thinning- cut all aspen, birch, fir, cedar, pine, maple, and bsw marked with yellow paint-sale number- 54-073-83-01-sale map acres- 16-leave trees- all unmarked trees -volume (cds)- 34 aspen, 12 birch, 8 mswd, 28 wp, 17 rp, 7 ro, 2 maple-completion- 1985-conducted walkthrough and stand deciduous has been extremely browsed-some wp and fir regen, only meets stocking in East half where wet ground and conifers exist |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
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| Canopy Species  | % Cover                                    | Size Class   | DBH        | Age                |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Sugar Maple   | 23   | Log/Pole   | 10         |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Red Maple   | 5  | Log/Pole   | 13         |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Basswood  | 2  | Log  | 12         |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Red Oak   | 50   | Log/XLog   | 15         | 96                 |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| White Pine  | 10   | XLog/Log   | 18         |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Red Pine  | 10   | Log/XLog   | 15         |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Sub-Canopy Species  | Density                                    | Avg. Height  | Size       |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Red Maple   | Medium                                     | < 5 feet   | Sapling    |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Balsam Fir  | Low  | Variable   | Sapling    |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| White Ash   | Low  | < 5 feet   | Sapling    |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Blackberry/Raspberry  | Medium                                     | < 5 feet   | Tall Shrub |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| Bigtooth Aspen  | Low  | 5 - 10 feet  | Sapling    |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |
| White Pine  | Medium                                     | < 5 feet   | Sapling    |                    |          |                         |  |          |              |          |         |               |       |              |         |              |                |          |              |           |       |                |         |              |       |          |  |    |                    |         |             |          |           |          |              |         |   |        |                    |            |             |        |             |         |          |         |            |     |          |         |           |     |          |         |                      |        |          |            |                |     |             |         |            |        |          |         |



| Stand                  | Level 4 Cover Type            | Size Density    | Acres   | Stand Age | BA Range               | Managed Site            | General Comments  |                    |         |             |         |
|------------------------|-------------------------------|-----------------|---------|-----------|------------------------|-------------------------|---|--------------------|---------|-------------|---------|
| 46                     | 330 - Low-Density Trees       | Nonstocked      | 12.8    | 0         |                        | 4211 - Planted Red Pine | cut in 2015<br>FTP C54-1049<br>Trenched on 11/12/15<br>Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stock<br>Year 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/ac<br>Herbicide on 9/10/17<br>Replanted 2019<br>Year 3 survey 10/4/19, slam dunk; looks great. Older seedlings doing well, but the young ones are struggling. Quite a bit of this stand is a swamp and it should be delineated. No trees can grow in these wet areas. Wet areas are west, south, and southwest of the retention island. |                    |         |             |         |
|                        |                               |                 |         |           |                        |                         |   | Sub-Canopy Species | Density | Avg. Height | Size    |
|                        |                               |                 |         |           |                        |                         |   | Red Pine           | High    | < 5 feet    | Sapling |
|                        |                               |                 |         |           |                        |                         |   | Jack Pine          | Trace   | < 5 feet    | Sapling |
|                        |                               |                 |         |           |                        |                         |   | Black Cherry       | Low     | < 5 feet    | Sapling |
| Red Maple              | Trace                         | < 5 feet        | Sapling |           |                        |                         |   |                    |         |             |         |
| Red Oak                | Trace                         | < 5 feet        | Sapling |           |                        |                         |   |                    |         |             |         |
| 47                     | 42220 - Natural Jack Pine     | Poletimber Well | 33.3    | 63        | 51-80                  | N/A                     |   |                    |         |             |         |
| Canopy Species         | % Cover                       | Size Class      | DBH     | Age       | Sub-Canopy Species     | Density                 | Avg. Height   | Size               |         |             |         |
| Black/Red (Hybrid) Oak | 2                             | Log/Pole        | 12      |           | White Oak              | Low                     | Variable  | Sapling            |         |             |         |
| Quaking Aspen          | 10                            | Pole            | 7       |           | Black/Red (Hybrid) Oak | Medium                  | Variable  | Sapling            |         |             |         |
| Red Pine               | 20                            | Log/XLog        | 17      | 93        |                        |                         |   |                    |         |             |         |
| Jack Pine              | 68                            | Pole            | 8       | 63        |                        |                         |   |                    |         |             |         |
| 48                     | 4133 - Aspen, Mixed Pine      | Sapling Well    | 33.6    | 27        | 51-80                  | N/A                     | sw corner of stand has a lot of jack pine.-past treatment- clearcut, winter cut only-sale number- 54-003-93-01-sale map acres- 63 (current stands 43 and 48-leave trees- all rp and wp-volume (cds)- 1286 aspen, 35 jp, 257 mhwd-completion- spring 1994  |                    |         |             |         |
| Canopy Species         | % Cover                       | Size Class      | DBH     | Age       | Sub-Canopy Species     | Density                 | Avg. Height   | Size               |         |             |         |
| Red Maple              | 10                            | Sapling/Pole    | 3       |           | Red Maple              | Medium                  | Variable  | Sapling            |         |             |         |
| Bigtooth Aspen         | 48                            | Sapling/Pole    | 4       | 27        | Black Cherry           | Medium                  | 5 - 10 feet   | Sapling            |         |             |         |
| White Pine             | 2                             | Log/XLog        | 16      |           |                        |                         |   |                    |         |             |         |
| Red Pine               | 10                            | Log/XLog        | 17      |           |                        |                         |   |                    |         |             |         |
| Jack Pine              | 10                            | Sapling/Pole    | 4       |           |                        |                         |   |                    |         |             |         |
| Quaking Aspen          | 20                            | Sapling/Pole    | 4       |           |                        |                         |   |                    |         |             |         |
| 49                     | 6239 - Mixed Emergent Wetland | Nonstocked      | 15.5    |           |                        | No                      | -mostly marsh and lowland shrub around edges near higher ground   |                    |         |             |         |
| 50                     | 4319 - Mixed Upland Forest    | Sawtimber Well  | 8.9     | 84        | 81-110                 | N/A                     | -mixed in cover and hydrology<br>-cedar to north 1/3rd of stand, transitional   |                    |         |             |         |
| Canopy Species         | % Cover                       | Size Class      | DBH     | Age       | Sub-Canopy Species     | Density                 | Avg. Height   | Size               |         |             |         |
| Quaking Aspen          | 35                            | Log/Pole        | 11      | 84        | White Pine             | Medium                  | Variable  | Sapling            |         |             |         |
| Balsam Fir             | 10                            | Pole/Log        | 9       |           | Red Maple              | Medium                  | Variable  | Sapling            |         |             |         |
| Black Spruce           | 5                             | Pole            | 7       |           | Tag Alder              | Low                     | 5 - 10 feet   | Tall Shrub         |         |             |         |
| Northern White Cedar   | 5                             | Log/Pole        | 12      |           | Balsam Fir             | Medium                  | Variable  | Sapling            |         |             |         |
| White Pine             | 15                            | Log/Pole/XLog   | 13      |           |                        |                         |   |                    |         |             |         |
| Jack Pine              | 5                             | Pole            | 9       |           |                        |                         |   |                    |         |             |         |
| Red Maple              | 20                            | Pole/Log        | 9       |           |                        |                         |   |                    |         |             |         |
| Red Pine               | 3                             | XLog/Log        | 19      |           |                        |                         |   |                    |         |             |         |
| Red Oak                | 2                             | Log             | 15      |           |                        |                         |   |                    |         |             |         |



| Stand                  | Level 4 Cover Type        | Size Density    | Acres | Stand Age | BA Range               | Managed Site | General Comments  |            |
|------------------------|---------------------------|-----------------|-------|-----------|------------------------|--------------|---|------------|
| <b>51</b>              | 42110 - Planted Red Pine  | Sawtimber Well  | 6.1   | 93        | 111-140                | N/A          |   |            |
| Canopy Species         | % Cover                   | Size Class      | DBH   | Age       | Sub-Canopy Species     | Density      | Avg. Height   | Size       |
| Red Pine               | 90                        | Log/XLog        | 16    | 93        | White Oak              | Medium       | Variable  | Sapling    |
| Jack Pine              | 10                        | Pole            | 8     |           | Black/Red (Hybrid) Oak | Medium       | Variable  | Sapling    |
|                        |                           |                 |       |           | Red Pine               | Medium       | Variable  | Sapling    |
|                        |                           |                 |       |           | Black Cherry           | Medium       | 5 - 10 feet   | Sapling    |
| <b>52</b>              | 42220 - Natural Jack Pine | Poletimber Well | 7.1   | 86        | 81-110                 | N/A          | scattered pine and oak regen.   |            |
| Canopy Species         | % Cover                   | Size Class      | DBH   | Age       | Sub-Canopy Species     | Density      | Avg. Height   | Size       |
| White Pine             | 2                         | Log/Pole        | 11    |           | Red Maple              | Medium       | Variable  | Sapling    |
| Jack Pine              | 90                        | Pole/Log        | 8     | 86        | Black Cherry           | Medium       | 5 - 10 feet   | Sapling    |
| Red Pine               | 8                         | Log/Pole        | 13    |           | Gray Dogwood           | Medium       | 5 - 10 feet   | Tall Shrub |
| <b>53</b>              | 4132 - Aspen, Jack Pine   | Sapling Well    | 11.3  | 15        | Immature               | N/A          | -past treatment- clearcut<br>-sale number- 54-015-03-01<br>-sale map acres- 404<br>-leave trees-<br>-volume (cds)-<br>-completion- winter 2004-2005   |            |
| Canopy Species         | % Cover                   | Size Class      | DBH   | Age       | Sub-Canopy Species     | Density      | Avg. Height   | Size       |
| Red Maple              | 5                         | Sapling         | 2     |           | Black Cherry           | Medium       | 5 - 10 feet   | Sapling    |
| Quaking Aspen          | 60                        | Sapling         | 2     | 15        |                        |              |   |            |
| Jack Pine              | 35                        | Sapling         | 3     |           |                        |              |   |            |
| <b>54</b>              | 42120 - Planted Jack Pine | Sapling Medium  | 357.5 | 12        | Immature               | N/A          | plantation of jack pine. pockets of natural regen, up to 6ft tall. scattered mature jack pine.-past treatment- clearcut-sale number- 54-015-03-01-sale map acres- 404-leave trees- all oak and 3-5 pole sized trees per acre-volume (cds)- 73 aspen, 125 rp, 3,655 jp, 52 mo-completion-winter 2004-2005-FTP-C54-764 (originally stands 4, 8, 9, and 19)-trenched and hand planted to JP in cool rainy/good weather-completion acres-400-date completed- 5/2009 |            |
| Canopy Species         | % Cover                   | Size Class      | DBH   | Age       | Sub-Canopy Species     | Density      | Avg. Height   | Size       |
| Jack Pine              | 5                         | Log             | 11    |           | Black Cherry           | Medium       | 5 - 10 feet   | Sapling    |
| Jack Pine              | 84                        | Sapling         | 2     | 12        |                        |              |   |            |
| Quaking Aspen          | 3                         | Sapling         | 3     |           |                        |              |   |            |
| Black/Red (Hybrid) Oak | 5                         | Sapling         | 3     |           |                        |              |   |            |
| Black/Red (Hybrid) Oak | 3                         | Log             | 12    |           |                        |              |   |            |
| <b>55</b>              | 4130 - Aspen              | Sapling Medium  | 12.8  | 28        | 1-50                   | N/A          | -past treatment- clearcut, cut all trees<br>-sale number- 54-021-93-01<br>-sale map acres- 15<br>-leave trees- none<br>-volume (cds)- 480 bta, 154 mhwd<br>-completion- 1993  |            |
| Canopy Species         | % Cover                   | Size Class      | DBH   | Age       | Sub-Canopy Species     | Density      | Avg. Height   | Size       |
| Red Maple              | 10                        | Sapling         | 3     |           | Black Cherry           | Medium       | 5 - 10 feet   | Sapling    |
| Bigtooth Aspen         | 65                        | Sapling/Pole    | 4     | 28        |                        |              |   |            |
| Jack Pine              | 15                        | Sapling/Pole    | 4     |           |                        |              |   |            |
| Red Oak                | 10                        | Sapling/Pole    | 4     |           |                        |              |   |            |
| <b>56</b>              | 4123 - Red Oak            | Sawtimber Well  | 37.9  | 83        | 81-110                 | N/A          | -past treatment- thinning, cut all yellow marked oak<br>-sale number- 54-021-93-01<br>-sale map acres- 35<br>-leave trees- all unmarked trees and all pine<br>-volume (cds)- 50 ba cut out- 210 ro<br>-completion- 1993<br>-full rm subcanopy<br>-vrb site<br>-cored 2 oak trees  |            |
| Canopy Species         | % Cover                   | Size Class      | DBH   | Age       | Sub-Canopy Species     | Density      | Avg. Height   | Size       |
| Red Oak                | 91                        | Log/Pole        | 13    | 83        | Red Maple              | Full         | >20 feet  | Sapling    |
| White Pine             | 2                         | Log/Pole        | 13    |           | Bigtooth Aspen         | Low          | >20 feet  | Sapling    |
| Bigtooth Aspen         | 5                         | Pole            | 6     |           | White Pine             | Low          | Variable  | Sapling    |
| Red Pine               | 2                         | Log             | 14    |           | White Ash              | Medium       | >20 feet  | Sapling    |
|                        |                           |                 |       |           | Witch Hazel            | Medium       | 5 - 10 feet   | Tall Shrub |



| Stand  | Level 4 Cover Type             | Size Density    | Acres   | Stand Age  | BA Range | Managed Site | General Comments   |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
|--|--------------------------------|-----------------|---------|------------|----------|--------------|--|----|----------|----|----|------------------------|----|---------|----|----|---|----|--------------------|---------|-------------|---|--------------|--------------------|-------------|-------------|--|------------------------|--------------------|----------|-------------|---|--------------|--------------------|-------------|--------------|---|--------------|--------------------|-------------|-------------|----------|--------------|--------|-------------|---------|--|--|--|--|
| <b>57</b>  | 42220 - Natural Jack Pine      | Sapling Well    | 1.8     | 15         | 1-50     | N/A          | -past treatment- clearcut<br>-sale number- 54-030-03-01<br>-sale map acres- 134<br>-PU 5 (current stands 61, 60, 34, and 65)<br>-leave trees- adv regen only<br>-volume (cds)- 1,991 jp, 120 bta<br>-completion- spring 2006   |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
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| Canopy Species   | % Cover                        | Size Class      | DBH     | Age        |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Black/Red (Hybrid) Oak   | 5                              | Sapling         | 3       |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Jack Pine  | 95                             | Sapling         | 2       | 15         |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Sub-Canopy Species   | Density                        | Avg. Height     | Size    |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Black Cherry   | Medium                         | 5 - 10 feet     | Sapling |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| <b>58</b>  | 42220 - Natural Jack Pine      | Poletimber Well | 26.3    | 82         | 51-80    | N/A          | more overstory jp and less adv regen of oak below vs other adj jp stands-adv wo cover closer to 10-20%-adv b/r oak closer to 10-20%-less/ low red maple and chry as well-adv oak form is poorer here- more regen under 5ft here, over 50%  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
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| Canopy Species   | % Cover                        | Size Class      | DBH     | Age        |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Jack Pine  | 90                             | Pole/Log        | 8       | 82         |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Quaking Aspen  | 5                              | Pole            | 8       |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Black/Red (Hybrid) Oak   | 5                              | Log/Pole        | 11      |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Sub-Canopy Species   | Density                        | Avg. Height     | Size    |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Black/Red (Hybrid) Oak   | Medium                         | Variable        | Sapling |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| White Oak  | Medium                         | Variable        | Sapling |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Black Cherry   | Low                            | 5 - 10 feet     | Sapling |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Red Maple  | Low                            | Variable        | Sapling |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| <b>59</b>  | 4125 - Black, N. Pin Oak       | Sapling Medium  | 3.0     | 19         | 1-50     | N/A          | - poorly regenerated   |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
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| Canopy Species   | % Cover                        | Size Class      | DBH     | Age        |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Jack Pine  | 5                              | Pole            | 8       |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Black/Red (Hybrid) Oak   | 20                             | Log             | 10      | 92         |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Black/Red (Hybrid) Oak   | 65                             | Sapling         | 2       | 19         |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| White Oak  | 10                             | Sapling         | 2       |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Sub-Canopy Species   | Density                        | Avg. Height     | Size    |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Black Cherry   | Low                            | 5 - 10 feet     | Sapling |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| <b>60</b>  | 4131 - Aspen, Oak              | Sapling Well    | 35.2    | 15         | 1-50     | N/A          | stand has a lot of oak regen in west side. will probably be able to type out second stand next entry.<br>-past treatment- clearcut<br>-sale number- 54-030-03-01<br>-sale map acres- 134<br>-PU 5 (current stands 61, 60, 34, and 65)<br>-leave trees- adv regen only<br>-volume (cds)- 1,991 jp, 120 bta<br>-completion- spring 2006<br><br>-more oak and cherry in northern 1/3rd      |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
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| Canopy Species   | % Cover                        | Size Class      | DBH     | Age        |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Black/Red (Hybrid) Oak   | 5                              | Log             | 11      |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Black/Red (Hybrid) Oak   | 30                             | Sapling         | 2       | 15         |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Red Pine   | 5                              | Log             | 13      |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Quaking Aspen  | 50                             | Sapling         | 2       | 15         |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Jack Pine  | 5                              | Sapling         | 2       |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| White Oak  | 5                              | Sapling         | 2       |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Sub-Canopy Species   | Density                        | Avg. Height     | Size    |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Black Cherry   | Medium                         | 5 - 10 feet     | Sapling |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| <b>61</b>  | 42120 - Planted Jack Pine      | Sapling Medium  | 9.9     | 14         | 1-50     | N/A          | stand has a lot of oak regen in west side. will probably be able to type out second stand next entry.<br>-past treatment- clearcut<br>-sale number- 54-030-03-01<br>-sale map acres- 134<br>-PU 5 (current stands 61, 60, 34, and 65)<br>-leave trees- adv regen only<br>-volume (cds)- 1,991 jp, 120 bta<br>-completion- spring 2006<br><br>-probably planted spring 2007 like the rest |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
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| Canopy Species   | % Cover                        | Size Class      | DBH     | Age        |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Red Oak  | 2                              | Log             | 11      |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Black/Red (Hybrid) Oak   | 10                             | Sapling         | 3       | 17         |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Quaking Aspen  | 5                              | Sapling         | 1       | 17         |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Red Pine   | 2                              | Log             | 13      |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Jack Pine  | 81                             | Sapling         | 3       | 14         |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Sub-Canopy Species   | Density                        | Avg. Height     | Size    |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| Black Cherry   | Medium                         | 5 - 10 feet     | Sapling |            |          |              |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |
| <b>62</b>  | 3303 - Mixed Low Density Trees | Nonstocked      | 0.9     | 0          |          | No           |  |    |          |    |    |                        |    |         |    |    |   |    |                    |         |             |   |              |                    |             |             |  |                        |                    |          |             |   |              |                    |             |              |   |              |                    |             |             |          |              |        |             |         |  |  |  |  |



| Stand   | Level 4 Cover Type                         | Size Density   | Acres   | Stand Age  | BA Range | Managed Site | General Comments   |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
|---|--|----------------|---------|------------|----------|--------------|--|------------------------|----|--------------|----|----|------------------------|----|---------------|----|----|--|----|--------------------|---------|-------------|-----------|--------------|--------------|-------------|---------|------------|--------|--------------|---------|--------------|---|-------------|--------------------|---------|-------------|---|--------------|--------------------|-------------|-------------|------|--------------|--------|-------------|---------|
| <b>63</b>   | 4199 - Other Mixed Upland Deciduous        | Sapling Medium | 14.5    | 15         | 1-50     | N/A          | portion of stand burned before it was harvested. -past treatment-clearcut-sale number- 54-015-03-01-sale map acres- 68-PU 4-leave trees- adv regen only-volume (cds)- 1066 jp, 50 bta, 6 rm-completion- fall 2005FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 63, 64, and 21)acres planted- 97completion date- 5/2007-semi-open, mixed regen with more oak        |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
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| Canopy Species  | % Cover                                    | Size Class     | DBH     | Age        |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Quaking Aspen   | 15   | Sapling/Pole   | 3       |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Jack Pine   | 10   | Sapling        | 3       |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Black/Red (Hybrid) Oak  | 35   | Sapling/Pole   | 3       | 15         |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| White Oak   | 20   | Sapling/Pole   | 3       |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Red Maple   | 20   | Sapling/Pole   | 3       |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Sub-Canopy Species  | Density                                    | Avg. Height    | Size    |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Black Cherry  | Medium                                     | 5 - 10 feet    | Sapling |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| <b>64</b>   | 42120 - Planted Jack Pine                  | Sapling Medium | 15.3    | 14         | 1-50     | N/A          | portion of stand burned before it was harvested.<br>-past treatment- clearcut<br>-sale number- 54-015-03-01<br>-sale map acres- 68<br>-PU 4<br>-leave trees- adv regen only<br>-volume (cds)- 1066 jp, 50 bta, 6 rm<br>-completion- fall 2005<br><br>FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 63, 64, and 21)<br>acres planted- 97<br>completion date- 5/2007 |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
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| Canopy Species  | % Cover                                    | Size Class     | DBH     | Age        |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Black/Red (Hybrid) Oak  | 5  | Sapling        | 2       | 17         |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Jack Pine   | 95   | Sapling        | 2       | 14         |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Sub-Canopy Species  | Density                                    | Avg. Height    | Size    |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Black Cherry  | Medium                                     | 5 - 10 feet    | Sapling |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Oak (spp.)  | Medium                                     | 5 - 10 feet    | Sapling |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| <b>65</b>   | 4191 - Mixed Upland Deciduous with Conifer | Sapling Well   | 28.2    | 15         | 1-50     | N/A          | stand has a lot of oak regen in west side. will probably be able to type out second stand next entry.<br>-past treatment- clearcut<br>-sale number- 54-030-03-01<br>-sale map acres- 134<br>-PU 5 (current stands 61, 60, 34, and 65)<br>-leave trees- adv regen only<br>-volume (cds)- 1,991 jp, 120 bta<br>-completion- spring 2006  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
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| Canopy Species  | % Cover                                    | Size Class     | DBH     | Age        |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Red Oak   | 2  | Log            | 11      |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Black/Red (Hybrid) Oak  | 35   | Sapling        | 2       | 15         |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Quaking Aspen   | 15   | Sapling        | 2       |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Red Pine  | 5  | Log            | 13      |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Jack Pine   | 28   | Sapling        | 2       | 15         |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Red Maple   | 10   | Sapling        | 2       |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Sub-Canopy Species  | Density                                    | Avg. Height    | Size    |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Black Cherry  | Medium                                     | 5 - 10 feet    | Sapling |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| <b>66</b>   | 4122 - Oak, Pine                           | Sawtimber Well | 8.0     | 85         | 51-80    | N/A          | white pine is in north part of stand. north part of stand was thinned in 2005-past treatment- species thinned-sale number- 54-018-05-01-sale map acres- 6-leave trees- all oak, wp, rp, and cedar-volume (cds)- 50 mhwd, 17 aspen-completion- 12/12/05   |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
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| Canopy Species  | % Cover                                    | Size Class     | DBH     | Age        |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Red Oak   | 70   | Log/Pole       | 13      | 85         |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| White Pine  | 30   | Log/Pole/XLog  | 15      |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Sub-Canopy Species  | Density                                    | Avg. Height    | Size    |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| White Pine  | High                                       | Variable       | Sapling |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Red Maple   | Medium                                     | Variable       | Sapling |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Black Cherry  | Medium                                     | 5 - 10 feet    | Sapling |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |
| Red Oak   | Low  | Variable       | Sapling |            |          |              |  |                        |    |              |    |    |                        |    |               |    |    |  |    |                    |         |             |           |              |              |             |         |            |        |              |         |              |   |             |                    |         |             |   |              |                    |             |             |      |              |        |             |         |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments |
|-------|--------------------|--------------|-------|-----------|----------|--------------|------------------|
|-------|--------------------|--------------|-------|-----------|----------|--------------|------------------|

**67** 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 9.5 94 81-110 N/A -too wet-small stream to west edge

| Canopy Species       | % Cover | Size Class | DBH | Age |
|----------------------|---------|------------|-----|-----|
| Quaking Aspen        | 10      | Log/Pole   | 10  |     |
| Balsam Fir           | 10      | Pole       | 8   |     |
| Black Spruce         | 25      | Pole       | 8   |     |
| Northern White Cedar | 35      | Log/Pole   | 12  | 94  |
| White Pine           | 5       | Log/Pole   | 12  |     |
| Red Maple            | 10      | Pole/Log   | 8   |     |
| Paper Birch          | 5       | Pole       | 8   |     |

| Sub-Canopy Species | Density | Avg. Height | Size       |
|--------------------|---------|-------------|------------|
| Red Maple          | Medium  | Variable    | Sapling    |
| Balsam Fir         | Medium  | Variable    | Sapling    |
| Tag Alder          | Medium  | 5 - 10 feet | Tall Shrub |

**68** 4131 - Aspen, Oak Sapling Medium 5.7 17 1-50 N/A portion of stand burned before it was harvested.

| Canopy Species         | % Cover | Size Class | DBH | Age |
|------------------------|---------|------------|-----|-----|
| Black/Red (Hybrid) Oak | 20      | Sapling    | 2   |     |
| Bigtooth Aspen         | 40      | Sapling    | 2   | 17  |
| Black/Red (Hybrid) Oak | 5       | Log        | 12  |     |
| Quaking Aspen          | 20      | Sapling    | 2   |     |
| Jack Pine              | 10      | Sapling    | 2   |     |
| Red Maple              | 5       | Sapling    | 2   |     |

| Sub-Canopy Species       | Density | Avg. Height | Size    |
|--------------------------|---------|-------------|---------|
| Black/Red (Hybrid) Oak   | Medium  | 5 - 10 feet | Sapling |
| Black Cherry             | Medium  | 5 - 10 feet | Sapling |
| Red Maple                | Low     | 5 - 10 feet | Sapling |
| Serviceberry (Juneberry) | Medium  | 5 - 10 feet | Sapling |

-past treatment- clearcut  
-sale number- 54-012-03-01  
-sale map acres- 86  
-PU 1  
-leave trees- none  
-volume (cds)-  
-completion- 2004

**69** 42221 - Natural Jack Pine, Mixed Deciduous Sapling Medium 2.3 17 1-50 N/A portion of stand burned before it was harvested.

| Canopy Species         | % Cover | Size Class | DBH | Age |
|------------------------|---------|------------|-----|-----|
| Black/Red (Hybrid) Oak | 25      | Sapling    | 2   | 17  |
| Jack Pine              | 70      | Sapling    | 2   | 17  |
| Quaking Aspen          | 5       | Sapling    | 2   |     |

| Sub-Canopy Species | Density | Avg. Height | Size    |
|--------------------|---------|-------------|---------|
| Black Cherry       | Medium  | 5 - 10 feet | Sapling |

-past treatment- clearcut  
-sale number- 54-012-03-01  
-sale map acres-86  
-PU 1  
-leave trees- none  
-volume (cds)-  
-completion- 2004

FTP- C54-767- trench and plant to jack pine (current stands 34, 65, 63, 64, and 21)  
acres planted- 97  
completion date- 5/2007

**70** 500 - Water Nonstocked 1.3 No



| Stand                  | Level 4 Cover Type        | Size Density    | Acres       | Stand Age | BA Range | Managed Site | General Comments  |  |
|------------------------|---------------------------|-----------------|-------------|-----------|----------|--------------|---|--|
| <b>71</b>              | 42220 - Natural Jack Pine | Sapling Well    | 2.5         | 15        | Immature | N/A          | plantation of jack pine. pockets of natural regen, up to 6ft tall. scattered mature jack pine.<br>-past treatment- clearcut<br>-sale number- 54-015-03-01<br>-sale map acres- 404<br>-leave trees- all oak and 3-5 pole sized trees per acre<br>-volume (cds)- 73 aspen, 125 rp, 3,655 jp, 52 mo<br>-completion- winter 2004-2005<br><br>-FTP-C54-764 (originally stands 4, 8, 9, and 19)<br>-trenched and hand planted to JP in cool rainy/good weather<br>-completion acres-400<br>-date completed- 5/2009<br>-could not locate old planting regen survey records and no monitor treatments were coded during last inventory<br><br>-copy for other natural pockets |  |
| Canopy Species         |                           | % Cover         | Size Class  | DBH       | Age      |              |   |  |
| Quaking Aspen          | 5                         | Sapling         | 3           | 15        |          |              |   |  |
| Jack Pine              | 90                        | Sapling         | 3           | 15        |          |              |   |  |
| Black/Red (Hybrid) Oak | 5                         | Sapling         | 3           |           |          |              |   |  |
| <b>72</b>              | 710 - Sand, Soil          | Nonstocked      | 1.2         |           |          | No           |   |  |
| <b>73</b>              | 4310 - Pine, Oak Mix      | Sapling Medium  | 3.5         | 6         | Immature | N/A          | FTP C54-1049<br>Trenched on 11/12/15<br>Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stock<br>Year 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/ac<br>Herbicide on 9/10/17<br>Year 2 survey 6/26/18, red pine 500 TPA.<br>Replanted in 2019.<br>Year 1 replant survey 10/4/19 looks great; did walkthrough. Seedlings are tall and healthy with good buds. Wet area to the west. Lots of natural jack pine regen. 90% FTG 900 TPA of RP 3.5 ft tall RP   |  |
| Canopy Species         |                           | % Cover         | Size Class  | DBH       | Age      |              |   |  |
| Jack Pine              | 45                        | Sapling         | 1           | 6         |          |              |   |  |
| Quaking Aspen          | 10                        | Sapling         | 1           |           |          |              |   |  |
| White Oak              | 5                         | Sapling         | 1           |           |          |              |   |  |
| Black/Red (Hybrid) Oak | 40                        | Sapling         | 1           |           |          |              |   |  |
| Sub-Canopy Species     |                           | Density         | Avg. Height | Size      |          |              |   |  |
| Black Cherry           | Medium                    | < 5 feet        | Sapling     |           |          |              |   |  |
| <b>74</b>              | 4310 - Pine, Oak Mix      | Sapling Medium  | 10.6        | 15        | Immature | N/A          | plantation of jack pine. pockets of natural regen, up to 6ft tall. scattered mature jack pine.<br>-past treatment- clearcut<br>-sale number- 54-015-03-01<br>-sale map acres- 404<br>-leave trees- all oak and 3-5 pole sized trees per acre<br>-volume (cds)- 73 aspen, 125 rp, 3,655 jp, 52 mo<br>-completion- winter 2004-2005<br><br>-natural regeneration  |  |
| Canopy Species         |                           | % Cover         | Size Class  | DBH       | Age      |              |   |  |
| Black/Red (Hybrid) Oak | 35                        | Sapling         | 3           | 15        |          |              |   |  |
| Jack Pine              | 49                        | Sapling         | 3           | 15        |          |              |   |  |
| Quaking Aspen          | 10                        | Sapling         | 3           |           |          |              |   |  |
| Jack Pine              | 3                         | Log             | 11          |           |          |              |   |  |
| Black/Red (Hybrid) Oak | 3                         | Log             | 12          |           |          |              |   |  |
| Sub-Canopy Species     |                           | Density         | Avg. Height | Size      |          |              |   |  |
| Black Cherry           | Medium                    | 5 - 10 feet     | Sapling     |           |          |              |   |  |
| <b>75</b>              | 42220 - Natural Jack Pine | Poletimber Well | 20.8        | 82        | 51-80    | N/A          | adv oak is not of poor form<br>adv white oak 40-60% cover most over 5ft tall<br>adv b/r oak 20-30% cover most over 5ft ft tall<br>adv red maple less than 10% cover most over 5 ft tall   |  |
| Canopy Species         |                           | % Cover         | Size Class  | DBH       | Age      |              |   |  |
| Jack Pine              | 80                        | Pole/Log        | 8           | 82        |          |              |   |  |
| Black/Red (Hybrid) Oak | 10                        | Log/Pole        | 11          |           |          |              |   |  |
| Quaking Aspen          | 10                        | Pole            | 8           |           |          |              |   |  |
| Sub-Canopy Species     |                           | Density         | Avg. Height | Size      |          |              |   |  |
| Black/Red (Hybrid) Oak | Medium                    | Variable        | Sapling     |           |          |              |   |  |
| White Oak              | High                      | Variable        | Sapling     |           |          |              |   |  |
| Black Cherry           | Low                       | 5 - 10 feet     | Sapling     |           |          |              |   |  |
| Red Maple              | Low                       | Variable        | Sapling     |           |          |              |   |  |



| Stand   | Level 4 Cover Type                         | Size Density      | Acres   | Stand Age  | BA Range | Managed Site | General Comments  |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
|---|--|-------------------|---------|------------|----------|--------------|---|----|----------|----|----|------------------------|----|--------------|---|----|------------------------|----|----------|----|----|------------------------|----|----------|---|----|---|----|--------------------|---------|-------------|-----------|--------------|---------|----------|---------|---|--------|--------------------|---------|-------------|--------|--------------|---------|------------------------|---------|----------|---------|
| 76  | 42221 - Natural Jack Pine, Mixed Deciduous | Poletimber Medium | 22.2    | 82         | 51-80    | N/A          | adv red maple 20-30% cover most over 5 ft tall<br>adv white oak 20-30% cover most over 5ft tall<br>adv b/r oak 30-50% cover most over 5ft tall  |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
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| Canopy Species  | % Cover                                    | Size Class        | DBH     | Age        |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Jack Pine   | 65   | Pole/Log          | 8       | 82         |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Red Maple   | 20   | Pole/Sapling      | 7       |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Black/Red (Hybrid) Oak  | 10   | Log/Pole          | 11      |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Bigtooth Aspen  | 5  | Pole/Log          | 9       |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Sub-Canopy Species  | Density                                    | Avg. Height       | Size    |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Red Maple   | Medium                                     | Variable          | Sapling |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Black Cherry  | Medium                                     | 5 - 10 feet       | Sapling |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| White Oak   | Medium                                     | Variable          | Sapling |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Black/Red (Hybrid) Oak  | Medium                                     | Variable          | Sapling |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| 77  | 42220 - Natural Jack Pine                  | Sapling Well      | 2.9     | 15         | Immature | N/A          | plantation of jack pine. pockets of natural regen, up to 6ft tall. scattered mature jack pine.<br>-past treatment- clearcut<br>-sale number- 54-015-03-01<br>-sale map acres- 404<br>-leave trees- all oak and 3-5 pole sized trees per acre<br>-volume (cds)- 73 aspen, 125 rp, 3,655 jp, 52 mo<br>-completion- winter 2004-2005<br><br>-FTP-C54-764 (originally stands 4, 8, 9, and 19)<br>-trenched and hand planted to JP in cool rainy/good weather<br>-completion acres-400<br>-date completed- 5/2009<br>-could not locate old planting regen survey records and no monitor treatments were coded during last inventory<br><br>-copy for other natural pockets |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
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| Canopy Species  | % Cover                                    | Size Class        | DBH     | Age        |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Quaking Aspen   | 5  | Sapling           | 3       | 15         |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Jack Pine   | 90   | Sapling           | 3       | 15         |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Black/Red (Hybrid) Oak  | 5  | Sapling           | 3       |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| 78  | 4191 - Mixed Upland Deciduous with Conifer | Sapling Medium    | 12.8    | 15         | 1-50     | N/A          | stand has a lot of oak regen in west side. will probably be able to type out second stand next entry.<br>-past treatment- clearcut<br>-sale number- 54-030-03-01<br>-sale map acres- 134<br>-PU 5 (current stands 61, 60, 34, and 65)<br>-leave trees- adv regen only<br>-volume (cds)- 1,991 jp, 120 bta<br>-completion- spring 2006<br><br>-natural regen   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
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| Canopy Species  | % Cover                                    | Size Class        | DBH     | Age        |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Black/Red (Hybrid) Oak  | 2  | Log               | 11      |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Black/Red (Hybrid) Oak  | 20   | Sapling           | 2       | 15         |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Quaking Aspen   | 25   | Sapling           | 2       | 15         |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Jack Pine   | 28   | Sapling           | 2       | 15         |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Red Maple   | 15   | Sapling           | 2       |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| White Oak   | 10   | Sapling           | 2       |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Sub-Canopy Species  | Density                                    | Avg. Height       | Size    |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Black Cherry  | Medium                                     | 5 - 10 feet       | Sapling |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| 79  | 4310 - Pine, Oak Mix                       | Sapling Medium    | 4.0     | 6          | Immature | N/A          | FTP C54-1049Trenched on 11/12/15Planted on 4/21/16 at 957 RP/ac with MI0320 3-0 stockYear 1 survey on 5/25/17 at 686 RP/ac and 2,256 O/J Competition/acHerbicide on 9/10/17Year 2 survey 6/26/18, red pine 500 TPA. Replanted in 2019.Year 1 replant survey 10/4/19 looks great; did walkthrough. Seedlings are tall and healthy with good buds. Wet area to the west. Lots of natural jack pine regen. 90% FTG 900 TPA of RP 3.5 ft tall RP  |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
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| Canopy Species  | % Cover                                    | Size Class        | DBH     | Age        |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Jack Pine   | 45   | Sapling           | 1       | 6          |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Quaking Aspen   | 10   | Sapling           | 1       |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| White Oak   | 5  | Sapling           | 1       |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Black/Red (Hybrid) Oak  | 40   | Sapling           | 1       |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Sub-Canopy Species  | Density                                    | Avg. Height       | Size    |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |
| Black Cherry  | Medium                                     | < 5 feet          | Sapling |            |          |              |   |    |          |    |    |                        |    |              |   |    |                        |    |          |    |    |                        |    |          |   |    |   |    |                    |         |             |           |              |         |          |         |   |        |                    |         |             |        |              |         |                        |         |          |         |



| Stand   | Level 4 Cover Type                         | Size Density    | Acres | Stand Age | BA Range    | Managed Site | General Comments   |                |         |            |     |     |         |    |     |    |  |           |    |          |   |    |
|---|--|-----------------|-------|-----------|-------------|--------------|--|----------------|---------|------------|-----|-----|---------|----|-----|----|--|-----------|----|----------|---|----|
| <b>80</b>   | 42221 - Natural Jack Pine, Mixed Deciduous | Poletimber Well | 4.4   | 71        | 51-80       | N/A          | -C. Zaremba regen survey previously completed<br>-was not included within FTP C54-1049 for planting to jp<br>-past treatment- clearcut<br>-leave trees- green trees<br>-volume (cvs)- 64 rp, 1044 jp, 73 mo, 16 aspen, 8 mhwd<br>-completion- 2015 |                |         |            |     |     |         |    |     |    |  |           |    |          |   |    |
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| Canopy Species  | % Cover                                    | Size Class      | DBH   | Age       |             |              |  |                |         |            |     |     |         |    |     |    |  |           |    |          |   |    |
| Red Oak   | 15   | Log             | 13    |           |             |              |  |                |         |            |     |     |         |    |     |    |  |           |    |          |   |    |
| Jack Pine   | 60   | Pole/Log        | 8     | 71        |             |              |  |                |         |            |     |     |         |    |     |    |  |           |    |          |   |    |
| <b>81</b>   | 6233 - Wet Meadow                          | Nonstocked      | 2.8   |           | Unspecified | No           |  |                |         |            |     |     |         |    |     |    |  |           |    |          |   |    |