



Compartment Review Presentation

Pigeon River Country Forest Management Unit

Compartment 53031

Entry Year 2025

Acreage: 2,550

County Otsego

Management Area: Wolverine Moraines

Stand Examiner: Greg Rekowski

Legal Description:

T32N R02W Sections 1, 12, 13, & 24

Identified Planning Goals:

Maintain the current species mix and apply appropriate management techniques to mature stands of timber that are in need of treatment.

Soil and topography:

Terrain ranges from flat to rolling in Sections 12, 13, and 24. Section 1 varies from flat to low lying swamp land east and south of Mud Lake. A variety of sandy soil types occur throughout the upland areas of the Compartment with the most common types being Leelanau loamy sands, Blue Lake loamy sands, and Morganlake loamy sands. Lowland areas around Mud Lake are comprised mostly of the Tawas-Lupton and Tawas-Leafriver mucks.

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

The majority of this Compartment is surrounded by State ownership, with the exception of the north line of Section 1 and the west, south, and east sides of Section 24 which border private property. A two acre private inholding is located at the southwest corner of Section 1.

Unique Natural Features:

Red-shouldered hawks and wood turtles have been documented in this Compartment.

Archeological, Historical, and Cultural Features:

None have been formally identified. An old Yuill logging camp was formerly present in Section 13. Old railroad grades are present in all Sections of the Compartment.

Special Management Designations or Considerations:

The Little Pigeon River is designated as a Natural River. There are no other Special Management Designations in this Compartment.

Watershed and Fisheries Considerations:

Management activities will be limited within the immediate vicinity of the Little Pigeon River due to its status as a Natural River. Fishing opportunities are available on Mud Lake although it is not known as a quality fishing lake.

Wildlife Habitat Considerations:

There is an elk viewing area in Section 13 that receives heavy public use and is treated annually to provide grazing opportunity for deer and elk.

A Wildlife representative will be available for comment at the Open House and Compartment Review.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial metallic mineral production in this part of the State. No active sand/gravel operations are known to exist in the area. Potential for sand & gravel exists in the Compartment, but commercial development is not allowed per the PRC Oil and Gas Policy and the Concept of Management. The Compartment is on the north edge of the Antrim Shale gas play. The Antrim Shale is thinning to the north and may have limited potential for gas production in this area. Across the state, new Antrim wells are not being drilled. The Antrim Shale play is generally in decline, and there is an increasing trend toward plugging wells. Active Antrim gas production, however, is occurring just outside the southern boundary of the Compartment, and some drainage of State-owned minerals in the Compartment may be occurring. The Silurian reef trend lies just to the south. There is low probability of reef reservoirs occurring beneath the Compartment, but without access to industry seismic data, the potential can't be ruled out. State land in the Compartment cannot be utilized for drilling operations and the mineral rights cannot be leased, so oil & gas development opportunities are limited. Any decisions on future mineral exploration and development within the Compartment shall be consistent with the Oil and Gas Policy and Concept of Management for the Pigeon River Country.

Vehicle Access:

Access is good throughout the Compartment.

Survey Needs:

None required at this time. The small 2 acre inholding in Section 1 may require a survey in the future.

Recreational Facilities and Opportunities:

A popular elk viewing area is located within Section 13, just north of Sturgeon Valley Road. Mushroom picking, small game hunting, and deer hunting are also popular in this Compartment.

Fire Protection:

Access is good in case of any fire suppression efforts, however fire risk is generally low in this Compartment due to the large amount of hardwoods and lack of much pine.

Additional Compartment Information:

Camp Vanderbilt, which was formerly a CCC camp and now houses DNR land management equipment, is located in the Compartment.

The following reports from the Inventory are attached:

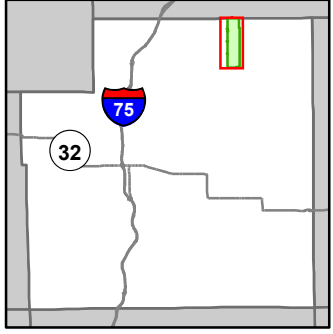
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

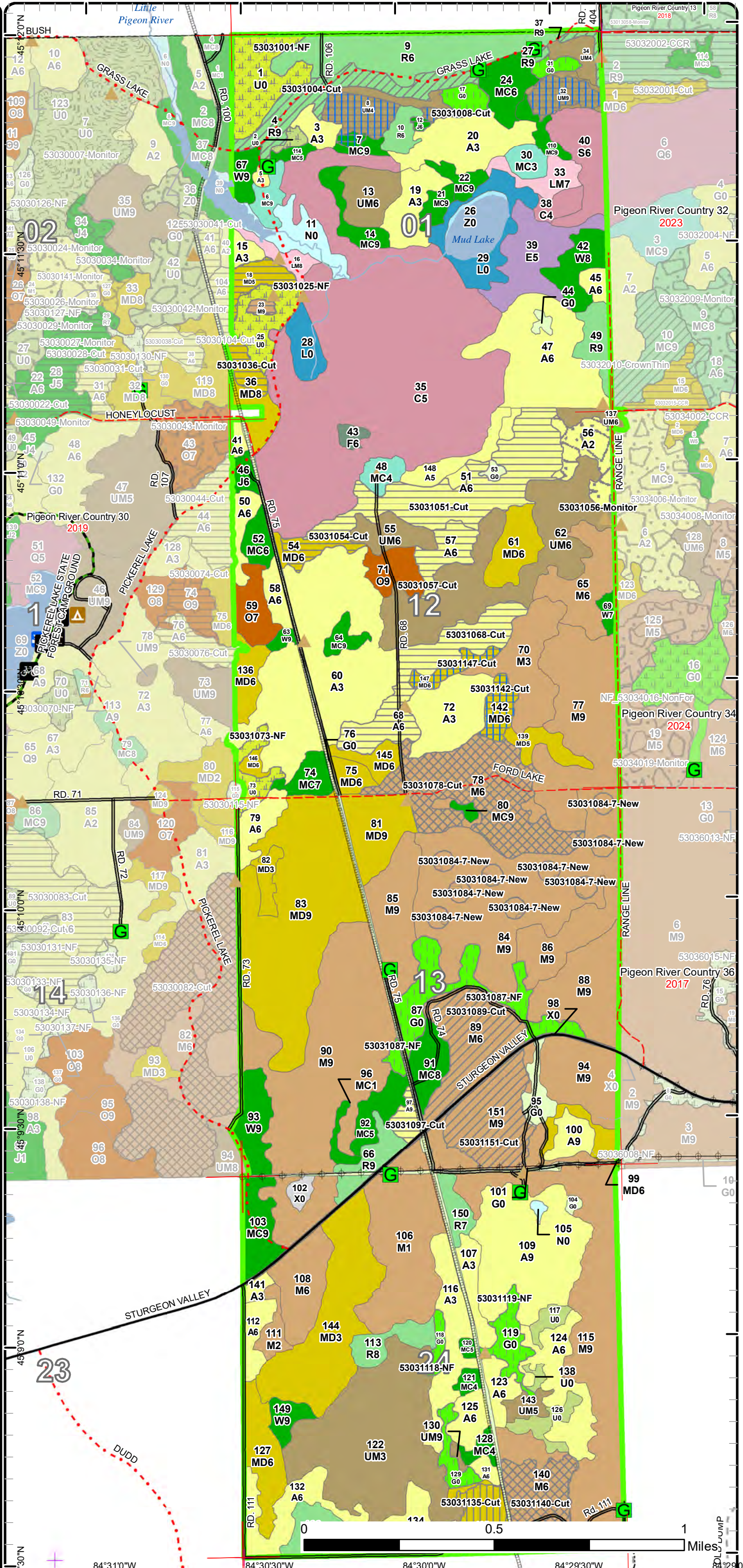
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 31
 T32N, R02W, Sec.
 01,02,12,13,14,24
 County: Otsego
 Unit: Pigeon River Country
 Mgmt Area: Wolverine Moraines
 YOE: 2025
 Acres: 2549.6 GIS Calculated
 Examiner: Greg Rekowski
 Map Revised: 6/14/2023
 Map Phase: Review



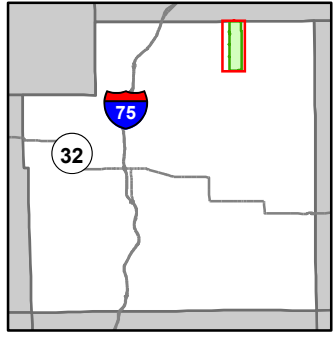
- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Hiking Trails
- Bike Trails
- Ski Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Ski Trails
- Designated Multi-Use Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Toilet
- Berms
- Gate
- Boating Access Site
- Campground
- Pipeline
- Powerline
- Fence
- Compartment Boundary
- Other Treatment - See Comments
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Patch/Strip Cut (Femelschlag)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- Shelter Wood (w/Reserves)
- Opening Maintenance
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 122 - Roads/Parking Lot
- 211 - Cropland
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland



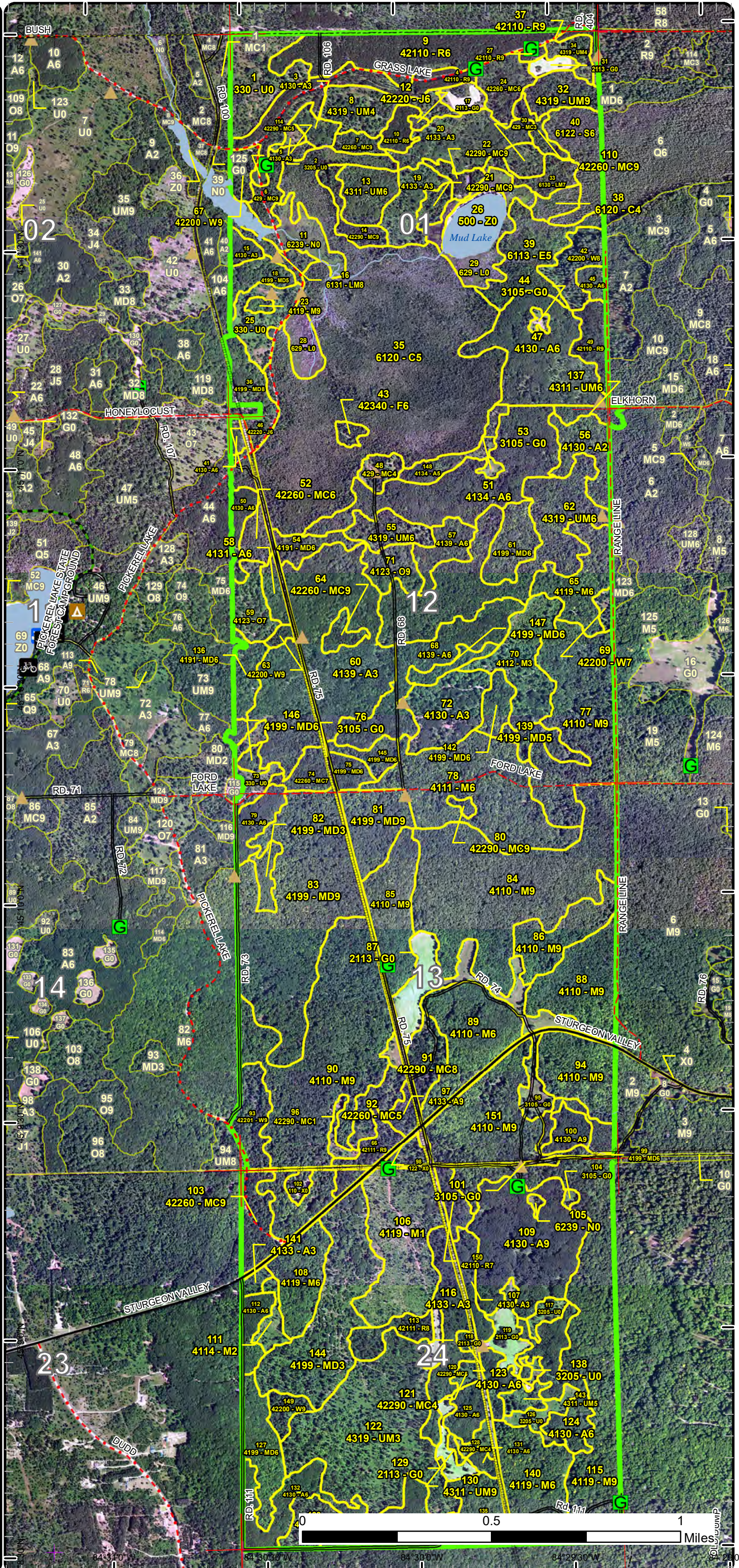
0 0.5 1 Miles

Stand Boundary Map

Compartment: 31
 T32N, R02W, Sec.
 01,02,12,13,14,24
 T32N R01W, Sec. 06,07
 County: Otsego
 Unit: Pigeon River Country
 Mgmt Area: Wolverine Moraines
 YOE: 2025
 Acres: 2549.6 GIS Calculated
 Examiner: Greg Rekowski
 Map Revised: 6/14/2023
 Map Phase: Review



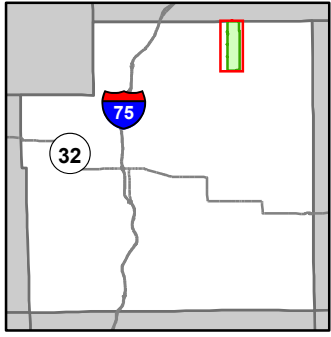
- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Hiking Trails
- Bike Trails
- Ski Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Ski Trails
- Designated Multi-Use Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Toilet
- Berms
- G Gate
- Boating Access Site
- Campground
- Pipeline
- Powerline
- Fence
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 122 - Roads/Parking Lot
- 211 - Cropland
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland



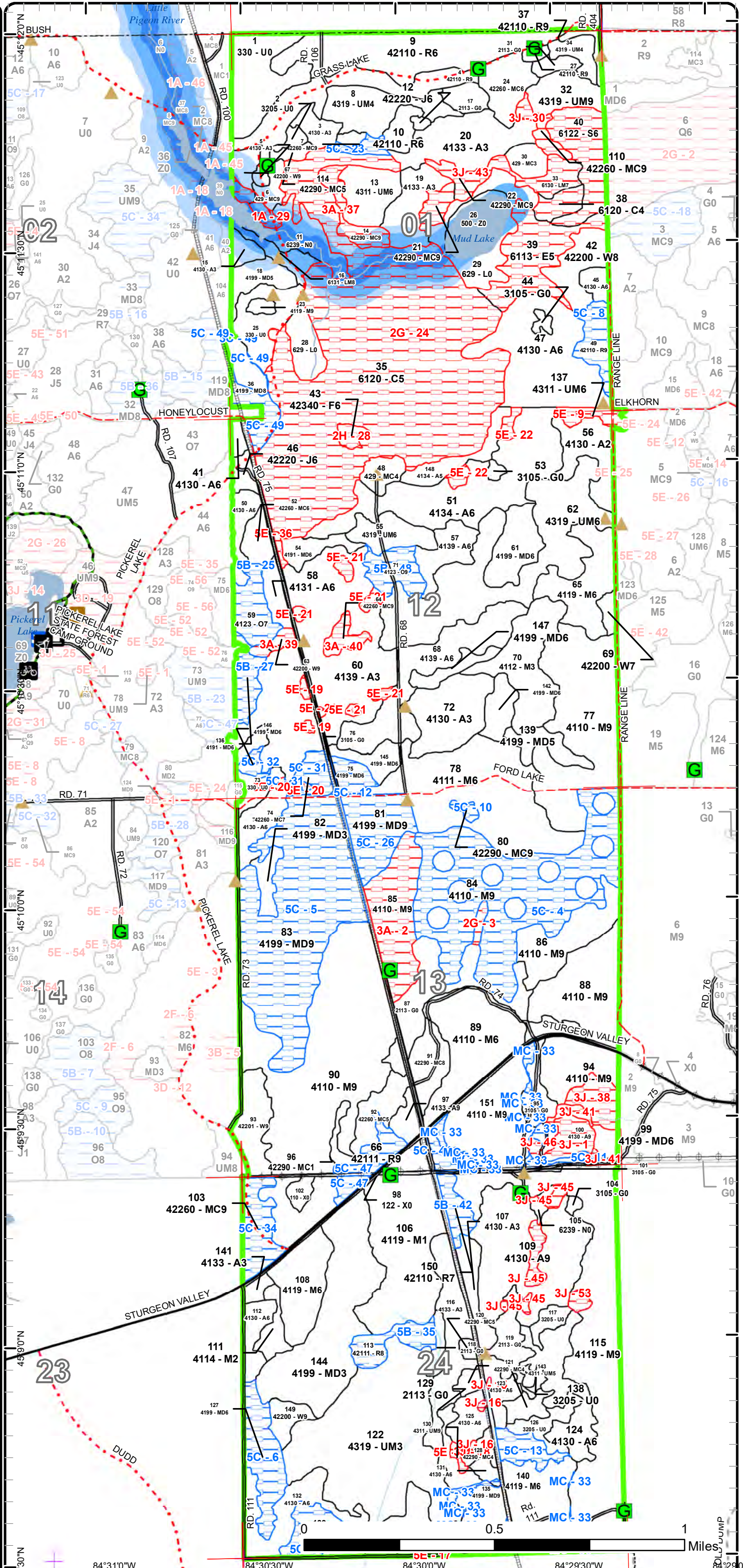
84°31'0" W 84°30'30" W 84°30'0" W 84°29'30" W 84°29'0" W

Special Conservation Areas

Compartment: 31
 T32N, R02W, Sec.
 01,02,12,13,14,24
 T32N R01W, Sec. 06,07
 County: Otsego
 Unit: Pigeon River Country
 Mgmt Area: Wolverine Moraines
 YOE: 2025
 Acres: 2549.6 GIS Calculated
 Examiner: Greg Rekowski
 Map Revised: 6/14/2023
 Map Phase: Review



- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Hiking Trails
- Bike Trails
- Ski Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Ski Trails
- Designated Multi-Use Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Toilet
- Berms
- Gate
- Boating Access Site
- Campground
- Pipeline
- 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
- 1A: Federal/State/Local Law
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer



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 | 102 | 17 | 90 | 145 | 120 | 42 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 520 |
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 223 | 0 | 0 | 228 |
| Cropland | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 |
| Herbaceous Openland | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| Jack Pine | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Low-Density Trees | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |
| Lowland Deciduous | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| Lowland Mixed Forest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| Lowland Shrub | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| Lowland Spruce/Fir | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| Marsh | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| Mixed Upland Deciduous | 0 | 0 | 0 | 52 | 5 | 14 | 30 | 13 | 0 | 49 | 109 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 291 |
| Natural Mixed Pines | 0 | 0 | 0 | 6 | 21 | 0 | 16 | 13 | 7 | 22 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 101 |
| Northern Hardwood | 0 | 0 | 5 | 73 | 0 | 0 | 21 | 0 | 19 | 51 | 441 | 114 | 0 | 0 | 0 | 0 | 0 | 0 | 724 |
| Oak | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| Red Pine | 0 | 0 | 0 | 0 | 47 | 0 | 0 | 25 | 4 | 0 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 118 |
| Upland Conifers | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| Upland Mixed Forest | 0 | 0 | 0 | 88 | 23 | 0 | 0 | 83 | 1 | 6 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 212 |
| Upland Shrub | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| Upland Spruce/Fir | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Urban | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Water | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| White Pine | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 12 | 13 | 0 | 6 | 0 | 0 | 2 | 0 | 0 | 0 | 6 | 42 |
| Total | 208 | 102 | 22 | 314 | 253 | 137 | 133 | 146 | 51 | 138 | 645 | 168 | 0 | 2 | 0 | 223 | 0 | 6 | 2546 |



Report 2 – Treatment Summary

Acres of Harvest

Commercial Harvest - 337
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 14

Cover Type by Harvest Method

| | Clearcut | Selection | Patch Clearcut | Seed Tree | Shelterwood | Thinning | Overstory Removal | Salvage | Other | Total Acres |
|------------------------|------------|-----------|----------------|-----------|-------------|-----------|-------------------|----------|----------|-------------|
| Aspen | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 |
| Jack Pine | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Mixed Upland Deciduous | 20 | 0 | 0 | 12 | 13 | 0 | 0 | 0 | 0 | 44 |
| Northern Hardwood | 2 | 81 | 15 | 0 | 0 | 63 | 0 | 0 | 0 | 159 |
| Red Pine | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 29 |
| Upland Mixed Forest | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 23 |
| Total | 117 | 81 | 15 | 35 | 13 | 91 | 0 | 0 | 0 | 351 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|------------|-----------|----------|----------|----------|------------|------------|-----------|-----------------|-------------|
| Current | 351 | 0 | 0 | 0 | 0 | 14 | 0 | 98 | 0 | 463 |
| Next Step | 0 | 14 | 0 | 0 | 0 | 260 | 0 | 0 | 0 | 274 |
| Total | 351 | 14 | 0 | 0 | 0 | 275 | 0 | 98 | 0 | 738 |



S
t
a
n
d

| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|

Proposed Treatments:

| | | | | | | | | | | |
|--|---------------------|------|---------------------------|----------------|-------------|--------------|---------------------------|-------------------------|-----------|----|
| 1 | 53031001-NF | 22.9 | 330 - Low-Density Trees | Nonstocked | Unspecified | NonForestMgt | Fruit Tree/Shrub Planting | 330 - Low-Density Trees | | No |
| <p><u>Prescription</u> Manage stand either through burning, planting, herbicide, or mechanical means.</p> <p><u>Specs:</u> Potential good site for hard and soft mast planting</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p> | | | | | | | | | | |
| 2 | 53031002-NF | 1.9 | 3205 - Mixed Upland Shrub | Nonstocked | Unspecified | NonForestMgt | Other - Specify | 320 - Upland Shrub | | No |
| <p><u>Prescription</u> Maintain the non-forested condition of this stand either through burning, planting, herbicide, or mechanical means.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p> | | | | | | | | | | |
| 4 | 53031004-Cut | 24.5 | 42110 - Planted Red Pine | Sawtimber Well | 69 141-170 | Harvest | Crown Thinning | 4211 - Planted Red Pine | Even-Aged | No |
| <p><u>Prescription</u> Crown thin to 110 square feet. Do not mark oak or white pine. Exclude areas of low BA that are not in need of thinning, which may result in a significant acreage reduction (>25% reduction).</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p> | | | | | | | | | | |



Standard

| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|

| | | | | | | | | | | | |
|----------|---------------------|------|----------------------------|-----------------|----|------|---------|-----------|---------------------------------------|----------|----|
| 8 | 53031008-Cut | 14.2 | 4319 - Mixed Upland Forest | Poletimber Poor | 61 | 1-50 | Harvest | Seed Tree | 42260 - Natural Pine, Mixed Deciduous | Two-Aged | No |
|----------|---------------------|------|----------------------------|-----------------|----|------|---------|-----------|---------------------------------------|----------|----|

Prescription Seed-tree. Leave 10-20 in the best quality white pine, red pine, and jack pine. Leave all oak. Leave all cherry over 5 inches DBH. Protect oak saps if present. Mark to leave a few of the better quality clumps of sap/pole sized white pine. Leave a couple of the larger red maple to retain a representation of this species on the site. Mark to leave large diameter aspen cavity and den trees, most of which are at the far southern end in the portion of the treatment that extends into stand 7.

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)

Acceptable Regen: Fully-stocked stand dominated by mixed natural pine with any additional mix of species being acceptable.

Other Comment: Require chipping of tops in snow-free conditions. Prescribe follow-up scarification using DNR resources.

Extend the treatment south into the west half of stand 7 that is mostly poor quality red maple. Exclude the east half of stand 7 and do not go south of the road to protect the old growth white pine trees. Follow the treatment line.

Exclude the entire railroad grade from the harvest, ensure no equipment runs down or crosses the grade. The treatment boundary has already been adjusted to remove the grade but may be slightly different when lines are run on the ground.

Site Condition

Proposed Start Date: 10/1 /2024

| | | | | | | | | | | | |
|-----------|---------------------|-----|---------------------------|-----------------|----|-------|---------|----------|--------------------------|-----------|----|
| 12 | 53031012-Cut | 0.9 | 42220 - Natural Jack Pine | Poletimber Well | 77 | 51-80 | Harvest | Clearcut | 4222 - Natural Jack Pine | Even-Aged | No |
|-----------|---------------------|-----|---------------------------|-----------------|----|-------|---------|----------|--------------------------|-----------|----|

Prescription Clearcut. Leave any incidental oak and red pine.

Next Step Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Fully-stocked stand meeting jack pine regeneration guidelines with any additional mix of species being acceptable.

Other Comment: Require chipping in snow-free months to allow for scarification.

Group with the harvest in stand 8.

Site Condition

Proposed Start Date: 10/1 /2024

| | | | | | | | | | | | |
|-----------|--------------------|-----|--------------------------------|--------------|--------------|---------------------------------|---------------------|--|--|--|----|
| 17 | 53031017-NF | 4.9 | 2113 - Forage Crops Nonstocked | Unspec ified | NonForestMgt | Herbaceous/Crop /Grass Planting | 2113 - Forage Crops | | | | No |
|-----------|--------------------|-----|--------------------------------|--------------|--------------|---------------------------------|---------------------|--|--|--|----|

Prescription Maintain the non-forested condition of this stand either through burning, herbicide, or mechanical means.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024



S
t
a
n
d

| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|

| | | | | | | | | | | |
|----|-------------|------|-------------------------|------------|--|--------------|--------------|-----------------|---------------------------|----|
| 25 | 53031025-NF | 13.8 | 330 - Low-Density Trees | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 3205 - Mixed Upland Shrub | No |
|----|-------------|------|-------------------------|------------|--|--------------|--------------|-----------------|---------------------------|----|

Prescription Maintain the non-forested condition of this stand either through burning, planting, herbicide, or mechanical means.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

| | | | | | | | | | | | |
|----|--------------|-----|--------------------------|----------------|----|---------|---------|----------------|-------------------------|-----------|----|
| 27 | 53031027-Cut | 1.5 | 42110 - Planted Red Pine | Sawtimber Well | 74 | 141-170 | Harvest | Crown Thinning | 4211 - Planted Red Pine | Even-Aged | No |
|----|--------------|-----|--------------------------|----------------|----|---------|---------|----------------|-------------------------|-----------|----|

Prescription Crown thin to 110 square feet. Do not mark any oak or white pine. Try to protect some of the bigger serviceberry clumps by avoiding marking trees directly adjacent to them.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

| | | | | | | | | | | |
|----|-------------|-----|---------------------|------------|--|--------------|--------------|---------------------------------|---------------------|----|
| 31 | 53031031-NF | 3.1 | 2113 - Forage Crops | Nonstocked | | Unspec ified | NonForestMgt | Herbaceous/Crop /Grass Planting | 2113 - Forage Crops | No |
|----|-------------|-----|---------------------|------------|--|--------------|--------------|---------------------------------|---------------------|----|

Prescription Maintain the non-forested condition of this stand either through burning, herbicide, or mechanical means.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

| | | | | | | | | | | | |
|----|--------------|-----|--------------------------|----------------|----|---------|---------|----------------|-------------------------|-----------|----|
| 37 | 53031037-Cut | 2.5 | 42110 - Planted Red Pine | Sawtimber Well | 74 | 141-170 | Harvest | Crown Thinning | 4211 - Planted Red Pine | Even-Aged | No |
|----|--------------|-----|--------------------------|----------------|----|---------|---------|----------------|-------------------------|-----------|----|

Prescription Crown thin to 110 square feet. Do not mark any oak or white pine. Watch out for wire fence in trees along the north and east edges. The blue line along the north line is still faintly visible.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024



S
t
a
n
d

| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|

| | | | | | | | | | | | |
|-----------|---------------------|------|--------------------------|-----------------|----|---------|---------|-------------------------|-------------|-----------|----|
| 51 | 53031051-Cut | 48.8 | 4134 - Aspen, Spruce/Fir | Poletimber Well | 47 | 111-140 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | No |
|-----------|---------------------|------|--------------------------|-----------------|----|---------|---------|-------------------------|-------------|-----------|----|

Prescription Clearcut with retention. Do not cut rare species in the stand such as paper birch and red oak. Leave all white and red pine over 12" DBH. No cut cherry over 5" DBH. Mark clumps of aspen (3-5 trees) as cut and leave trees for drumming logs and brush piles. Desired retention areas are in the site conditions layer and are focused around areas with a higher white pine component.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Well-stocked stand dominated by aspen regeneration.

Other Comment:

Add oak wilt spec. There is not much oak within the stand itself however bordering stands have much more.

Site Condition

Proposed Start Date: 10/1 /2024

| | | | | | | | | | | | |
|-----------|---------------------|-----|--|-----------------|----|---------|---------|-------------------------|--|-----------|----|
| 54 | 53031054-Cut | 6.0 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 53 | 111-140 | Harvest | Clearcut with Retention | 4191 - Mixed Upland Deciduous with Conifer | Even-Aged | No |
|-----------|---------------------|-----|--|-----------------|----|---------|---------|-------------------------|--|-----------|----|

Prescription Clearcut with retention. Add the thin strip of mature pine along the west edge as retention. Leave all oak and any incidental cedar or birch. No cut red or white pine over 18" DBH.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Regen: A fully-stocked stand with any mix of species will be acceptable for regeneration.

Other Comment:

Add pipeline protection specs.

Site Condition

Proposed Start Date: 10/1 /2024

| | | | | | | | | | | | |
|-----------|---------------------|------|-------------------------------|-----------------|----|--------|---------|----------|-------------|-----------|----|
| 57 | 53031057-Cut | 10.0 | 4139 - Aspen, Mixed Deciduous | Poletimber Well | 53 | 81-110 | Harvest | Clearcut | 413 - Aspen | Even-Aged | No |
|-----------|---------------------|------|-------------------------------|-----------------|----|--------|---------|----------|-------------|-----------|----|

Prescription Clearcut with no area retention. Instead of retention, mark to leave some scattered pine and maple (preferably sugar maple), concentrated around oak and hemlock to create clumps of trees. Leave all incidental oak, birch, and hemlock. If present, leave any red or white pine over 18" DBH. Protect the younger oak component as much as possible. Mark to leave any large diameter aspen and beech cavity or dent trees that may be present to benefit wildlife and to serve as future drumming logs when they fall over.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Regen: Well-stocked stand dominated by aspen with any additional mix of species being acceptable. Potential for heavy browse damage in this stand due to the species mix.

Other Comment:

Add oak wilt specs, no exceptions.

Site Condition

Proposed Start Date: 10/1 /2024



Standard

| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|

| | | | | | | | | | | | |
|----|--------------|------|-------------------------------|-----------------|----|---------|---------|----------|-------------|-----------|----|
| 68 | 53031068-Cut | 31.8 | 4139 - Aspen, Mixed Deciduous | Poletimber Well | 56 | 111-140 | Harvest | Clearcut | 413 - Aspen | Even-Aged | No |
|----|--------------|------|-------------------------------|-----------------|----|---------|---------|----------|-------------|-----------|----|

Prescription Clearcut except do not cut oak. No area retention, however mark to leave scattered clumps of better quality hardwoods (maple & birch) centered around oak. If present, do not cut red pine or white pine over 12" DBH. Protect the younger oak component as much as possible. Exclude the single clump of large diameter basswood at the far southeastern corner of the treatment. Mark poor form maple or aspen as cut and leave trees for drumming logs.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Regen: Well-stocked dominated by aspen regeneration with any additional mix of species being acceptable. There is the possibility of heavy browse damage in this stand due to the species mix.

Other Comment: Add oak wilt specs, no exceptions.

The retention area on the west edge of the stand (see site conditions layer) was used as retention for stand 60 when it was harvested. Maintain this as retention.

Site Condition

Proposed Start Date: 10/1 /2024

| | | | | | | | | | | | |
|----|-------------|-----|-------------------------|------------|--|--------------|--------------|-----------------|--------------------|--|----|
| 73 | 53031073-NF | 7.3 | 330 - Low-Density Trees | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 320 - Upland Shrub | | No |
|----|-------------|-----|-------------------------|------------|--|--------------|--------------|-----------------|--------------------|--|----|

Prescription Maintain the non-forested condition of this stand either through burning, planting, herbicide, or mechanical means.

Specs:

Next Step

Treatments:

Acceptable Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

| | | | | | | | | | | | |
|----|----------------|------|--------------------------------|----------------|----|---------|---------|-----------------------------------|-------------------------|-----------|-----|
| 84 | 53031084-7-New | 14.5 | 4110 - Sugar Maple Association | Sawtimber Well | 96 | 111-140 | Harvest | Strip/Patch/Gap Cut (Femelschlag) | 411 - Northern Hardwood | Even-Aged | Yes |
|----|----------------|------|--------------------------------|----------------|----|---------|---------|-----------------------------------|-------------------------|-----------|-----|

Prescription Clearcut all species within gaps except for oak or other species that may be rare in the stand (yellow birch, elm). Gap sizes will be 1.5 acres in size, which equals roughly a 300 foot diameter. Make some of the gaps edges feathered to benefit seed tree development. If the gap happens to fall in an area with a lot of oak, then move the gap so that oak fall on the edges and not within the gap. For all sawlog trees that are cut, only allow the sawlogs to be utilized from these trees, the remainder of the pulpwood and tops must be left intact and scattered throughout the gaps evenly to deter browse. Mark at least 5 trees per gap as trees to push over with the root ball still attached (utilize pulpwood sized trees). If any large diameter, cull beech or aspen are present, leave them standing for future snags and coarse woody debris.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Regen: Gaps with fully-stocked regeneration of desired hardwood species such as maple, oak, birch, and basswood. Gaps dominated by ironwood and/or beech will not be accepted. Interplant with other species if regeneration fails due to browse or undesirable species mix of beech and ironwood.

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024



S
t
a
n
d

| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|

| | | | | | | | | | | |
|----|-------------|------|---------------------|------------|--|-------------|--------------|---------------------------------|---------------------|----|
| 87 | 53031087-NF | 25.5 | 2113 - Forage Crops | Nonstocked | | Unspecified | NonForestMgt | Herbaceous/Crop /Grass Planting | 2113 - Forage Crops | No |
|----|-------------|------|---------------------|------------|--|-------------|--------------|---------------------------------|---------------------|----|

Prescription Maintain the non-forested condition of this stand either through burning, herbicide, or mechanical means.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

| | | | | | | | | | | | |
|----|--------------|------|--------------------------------|-----------------|----|---------|---------|----------------|-------------------------|-----------|----|
| 89 | 53031089-Cut | 32.6 | 4110 - Sugar Maple Association | Poletimber Well | 97 | 111-140 | Harvest | Crown Thinning | 411 - Northern Hardwood | Even-Aged | No |
|----|--------------|------|--------------------------------|-----------------|----|---------|---------|----------------|-------------------------|-----------|----|

Prescription Crown thin to 90 square feet. Thinning should focus on removing small diameter trees (less than 10" DBH) and any high-risk sawlog trees.
Specs: Do not cut any birch, oak, pine, elm, or cherry. Do not mark within a 1/2 chain of yellow birch to prevent exposure shock. Stay on the interior side of the road that borders the north and east edges of the stand, do not mark on the thin strip on the other side of the road next to the opening edges.

Next Step

Treatments:

Acceptable

Regen:

Other

Winter harvest only to avoid recreational and hunting conflicts.

Comment:

Do not allow any operations or decking of wood within the food plot.

There is an area of low stocking just north of the middle of the stand that can be excluded. The southwest finger of the stand has areas of low BA that may also warrant being excluded from the harvest.

Site Condition

Proposed Start Date: 10/1 /2024

| | | | | | | | | | | | |
|----|--------------|-----|--------------------------|----------------|----|--------|---------|----------|-------------|-----------|----|
| 97 | 53031097-Cut | 4.2 | 4133 - Aspen, Mixed Pine | Sawtimber Well | 82 | 81-110 | Harvest | Clearcut | 413 - Aspen | Even-Aged | No |
|----|--------------|-----|--------------------------|----------------|----|--------|---------|----------|-------------|-----------|----|

Prescription Clearcut with no area retention. Leave any incidental oak and birch. Leave all cherry (black/pin) over 4" DBH. It may be beneficial to mark to leave the pin cherry and oak so that it doesn't get destroyed during logging. Leave all WP/RP over 20" DBH.

Next Step

Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable

Fully-stocked stand of aspen with any additional mix of species being acceptable.

Regen:

Other

Put the landing along the north edge in stand 92 (MC5).

Comment:

Need pipeline specs for Line 5.

Site Condition

Proposed Start Date: 10/1 /2024



S
t
a
n
d

| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|

| | | | | | | | | | | |
|-----|-------------|-----|--------------------------------|--|-------------|--------------|---------------------------------|---------------------------|--|----|
| 118 | 53031118-NF | 3.4 | 2113 - Forage Crops Nonstocked | | Unspecified | NonForestMgt | Herbaceous/Crop /Grass Planting | 310 - Herbaceous Openland | | No |
|-----|-------------|-----|--------------------------------|--|-------------|--------------|---------------------------------|---------------------------|--|----|

Prescription Maintain the non-forested condition of this stand either through burning, herbicide, or mechanical means.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

| | | | | | | | | | | |
|-----|-------------|-----|--------------------------------|--|-------------|--------------|---------------------------------|---------------------------|--|----|
| 119 | 53031119-NF | 9.4 | 2113 - Forage Crops Nonstocked | | Unspecified | NonForestMgt | Herbaceous/Crop /Grass Planting | 310 - Herbaceous Openland | | No |
|-----|-------------|-----|--------------------------------|--|-------------|--------------|---------------------------------|---------------------------|--|----|

Prescription Maintain the non-forested condition of this stand either through burning, herbicide, or mechanical means.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

| | | | | | | | | | | |
|-----|-------------|-----|--------------------------------|--|-------------|--------------|---------------------------------|---------------------------|--|----|
| 129 | 53031129-NF | 5.5 | 2113 - Forage Crops Nonstocked | | Unspecified | NonForestMgt | Herbaceous/Crop /Grass Planting | 310 - Herbaceous Openland | | No |
|-----|-------------|-----|--------------------------------|--|-------------|--------------|---------------------------------|---------------------------|--|----|

Prescription Maintain the non-forested condition of this stand either through burning, herbicide, or mechanical means.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024



S
t
a
n
d

| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|---|-------|-------------------------------------|-----------------|-----------|----------|----------------|------------------|-------------------------------------|---------------|-------------|
| 147 53031147-Cut | 5.0 | 4199 - Other Mixed Upland Deciduous | Poletimber Well | 56 | 111-140 | Harvest | Seed Tree | 4199 - Other Mixed Upland Deciduous | Two-Aged | No |
| <p><u>Prescription</u> Clearcut all species except for oak. Instead of area retention, mark to leave nicer quality red maple, sugar maple, and birch that fall within or near oak clumps. Mark to leave any large diameter beech or aspen that are good wildlife trees.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any mix of species resulting in a fully-stocked stand will be acceptable, with the exception that regeneration consisting of more than 50% beech will be considered a failure. If beech regeneration becomes dominant, then consider actions to remove or reduce the beech brush. There is a high likelihood of heavy browse damage in this stand due to the species mix.</p> <p><u>Other Comment:</u> Require oak wilt spec, no exceptions.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p> | | | | | | | | | | |

Approved Treatments:

| | | | | | | | | | | |
|--|-----|-------------------------------------|-------------------|----|--------|---------|----------|-------------------------------------|-----------|----|
| 18 53031018-Cut | 7.8 | 4199 - Other Mixed Upland Deciduous | Poletimber Medium | 84 | 81-110 | Harvest | Clearcut | 4199 - Other Mixed Upland Deciduous | Even-Aged | No |
| <p><u>Prescription</u> Clearcut. Use previous prescription.</p> <p><u>Specs:</u> This stand is being re-setup and sold. It was initially a part of the sale Mud Lake Mix (#53-005-15) bought by Precision, but was dropped by them in 2020.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any mix of species will be acceptable in determining regeneration success as long as it results in a fully-stocked stand.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 5 /6 /2021</p> | | | | | | | | | | |
| 23 53031023-Cut | 1.5 | 4119 - Mixed Northern Hardwoods | Sawtimber Well | 84 | 81-110 | Harvest | Clearcut | 4199 - Other Mixed Upland Deciduous | Even-Aged | No |
| <p><u>Prescription</u> Clearcut. Use previous prescription.</p> <p><u>Specs:</u> This stand is being re-setup and sold. It was initially a part of the sale Mud Lake Mix (#53-005-15) bought by Precision, but was dropped by them in 2020.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any mix of species resulting in a well-stocked stand will be acceptable in determining regeneration success.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 5 /6 /2021</p> | | | | | | | | | | |



S
t
a
n
d

| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|

| | | | | | | | | | | | |
|-----------|---------------------|-----|----------------------------|----------------|----|--------|---------|--------------------------|----------------------------|----------|----|
| 32 | 53031032-Cut | 9.0 | 4319 - Mixed Upland Forest | Sawtimber Well | 98 | 81-110 | Harvest | Seed Tree with Retention | 4319 - Mixed Upland Forest | Two-Aged | No |
|-----------|---------------------|-----|----------------------------|----------------|----|--------|---------|--------------------------|----------------------------|----------|----|

Prescription Seed tree. Use previous prescription.

Specs:

This stand is being re-setup and sold. It was initially a part of the sale Mud Lake Mix (#53-005-15) bought by Precision, but was dropped by them in 2020.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any mix of species resulting in a well-stocked stand will be acceptable in determining regeneration success.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 5 /6 /2021

| | | | | | | | | | | | |
|-----------|---------------------|-----|-------------------------------------|------------------|----|--------|---------|----------|-------------------------------------|----------|----|
| 36 | 53031036-Cut | 5.7 | 4199 - Other Mixed Upland Deciduous | Sawtimber Medium | 84 | 81-110 | Harvest | Clearcut | 4199 - Other Mixed Upland Deciduous | Two-Aged | No |
|-----------|---------------------|-----|-------------------------------------|------------------|----|--------|---------|----------|-------------------------------------|----------|----|

Prescription Clearcut with oak being left. Use previous prescription.

Specs:

This stand is being re-setup and sold. It was initially a part of the sale Mud Lake Mix (#53-005-15) bought by Precision, but was dropped by them in 2020.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any species will be acceptable in determining regeneration success as long as it meets stocking standards.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 5 /6 /2021

| | | | | | | | | | | | |
|-----------|-------------------------|------|--------------|----------------|---|----------|------------|------------------------------|-------------|-----------|----|
| 56 | 53031056-Monitor | 14.4 | 4130 - Aspen | Sapling Medium | 5 | Immature | Monitoring | Natural Regen (Intermediate) | 413 - Aspen | Even-Aged | No |
|-----------|-------------------------|------|--------------|----------------|---|----------|------------|------------------------------|-------------|-----------|----|

Prescription Continue to monitor regeneration success in this stand. Browse is currently having a negative impact. Prescribe interplanting if aspen regeneration is reduced to a low stocking level.

Specs:

Next Step

Treatments:

Acceptable Regeneration that meets aspen stocking guidelines with any additional mix of species being acceptable.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025



S
t
a
n
d

| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|

| | | | | | | | | | | | |
|-----------|---------------------|------|---------------------------------------|-----------------|-----|--------|---------|-----------------------|-------------------------|-------------|----|
| 78 | 53031078-Cut | 56.2 | 4111 - S.Maple, Hard Mast Association | Poletimber Well | 100 | 81-110 | Harvest | Single Tree Selection | 411 - Northern Hardwood | Uneven-Aged | No |
|-----------|---------------------|------|---------------------------------------|-----------------|-----|--------|---------|-----------------------|-------------------------|-------------|----|

Prescription Salvage all beech except mark to leave good wildlife trees with lots of rot, or resistant trees. In the remaining areas, crown thin to 80-90 square feet. Do not cut oak, pine, or birch. Marking should focus on small, suppressed maple stems. Create canopy gaps in areas heavier to beech and areas with small aspen clones. Gaps should be at least 75 feet in diameter. Leave most of the remaining individual aspen stems that are infrequently scattered throughout for wildlife purposes.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Regen: Canopy gaps dominated by aspen and desirable hardwoods such as maple, basswood, oak, and birch. Canopy gaps dominated by beech and/or ironwood will not be acceptable.

Other Comment: Exclude steep slopes and areas of low stocking. These areas have already been carved out of the treatment boundary but are not exact, expect them to change.

Log GPS points at canopy gaps and put into the hardwood gap monitor app.

Site Condition

Proposed Start Date: 10/1 /2022

| | | | | | | | | | | | |
|------------|---------------------|------|-------------------------------------|----------------|----|--------|---------|----------------------------|--|----------|----|
| 135 | 53031135-Cut | 12.8 | 4199 - Other Mixed Upland Deciduous | Sawtimber Well | 84 | 81-110 | Harvest | Shelterwood with Retention | 4191 - Mixed Upland Deciduous with Conifer | Two-Aged | No |
|------------|---------------------|------|-------------------------------------|----------------|----|--------|---------|----------------------------|--|----------|----|

Prescription Shelterwood leaving 30-40 square feet of the largest and best quality oak, red pine, and white pine, leave a component of larger diameter red and sugar maple as well. Leave all birch. Mark to leave clumps of trees around the birch component to prevent exposure shock. Cut all beech except leave any large diameter beech that are resistant or good wildlife trees.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Regen: A well-stocked stand with any mix of deciduous and conifer species being acceptable. However, regeneration consisting of greater than 50% of beech and/or ironwood will be considered a failure.

Other Comment: Exclude the small finger at the southwest corner of the stand as retention (see site conditions layer). Exclude areas of poor stocking along the SE edge that have lots of younger oak and scattered large diameter white pine. Notify Enbridge beforehand about harvesting activity in the vicinity of Line 5. The haul route in and out of this stand will likely have to use the old closed road to the northwest as Road 111 is not suitable for hauling nor is Line 5.

Site Condition

Proposed Start Date: 10/1 /2022

| | | | | | | | | | | | |
|------------|---------------------|------|---------------------------------|-----------------|----|---------|---------|-----------------------|-------------------------|-------------|----|
| 140 | 53031140-Cut | 24.7 | 4119 - Mixed Northern Hardwoods | Poletimber Well | 91 | 111-140 | Harvest | Single Tree Selection | 411 - Northern Hardwood | Uneven-Aged | No |
|------------|---------------------|------|---------------------------------|-----------------|----|---------|---------|-----------------------|-------------------------|-------------|----|

Prescription Salvage all beech, except leave any resistant trees or those that are good wildlife trees. Thin the remainder of the stand to 80-90 square feet. Specs: If there are areas dominated by beech with minimal other species, then create canopy gaps at least 100 feet in diameter. Do not cut any underrepresented species in the stand such as red oak, white pine, red pine, and paper birch. Favor leaving all sawlog-sized basswood, only take poletimber stems. Leave large diameter aspen for future snags. Exclude the north end of the stand which has lower stocking.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Regen: Canopy gaps dominated by any species other than beech or ironwood.

Other Comment: Notify Enbridge beforehand about harvesting activity in the vicinity of Line 5.

Site Condition

Proposed Start Date: 10/1 /2022



S
t
a
n
d

| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|--|-------|-------------------------------------|-----------------|-----------|----------|----------------|------------------|----------------------------------|---------------|-------------|
| 142 53031142-Cut | 7.1 | 4199 - Other Mixed Upland Deciduous | Poletimber Well | 54 | 81-110 | Harvest | Seed Tree | 4116 - Mixed N. Hardwood - Aspen | Two-Aged | No |
| <p><u>Prescription</u> Seed tree leaving 10-20 BA of the best quality red and sugar maple. Cut all beech except for any resistant trees or good wildlife trees. Leave any incidental white pine, birch, and basswood as well as all oak (these species won't count towards the target residual BA). Mark out the small oak component (pole/saps) so that they can be more easily seen by logging equipment. Mark numerous poor quality, wolfy hardwoods (maple or beech) as trees to be pushed over with the root ball still attached. The objective is to make the site as messy as possible with slash to deter deer and elk browse, which is a major factor in this area.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Fully-stocked stand dominated by a combination of aspen, oak, and maple. Regeneration dominated by beech and/or ironwood will not be accepted.</p> <p><u>Other Comment:</u> Add 2" spec to get all competing regeneration knocked down, with the exception of the young oak.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p> | | | | | | | | | | |
| 151 53031151-Cut | 29.9 | 4110 - Sugar Maple Association | Sawtimber Well | 91 | 111-140 | Harvest | Crown Thinning | 411 - Northern Hardwood | Uneven-Aged | No |
| <p><u>Prescription</u> Thin to 80-90 square feet. No canopy gaps at this time. Cut all beech except for any good wildlife trees or resistant trees. Do not cut any rare species that are in the stand such as red pine, white pine, oak, elm, or birch. Do not mark within a 1/2 chain of any yellow birch to prevent exposure shock.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Exclude areas of lower stocking on the north, west, and southeastern sides (treatment boundary already adjusted to exclude those areas on the east and west sides). Protect the vernal pool with a 1 chain buffer (approximate area already excluded). Contact Enbridge about operating in the vicinity of Line 5.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p> | | | | | | | | | | |

Total Treatment Acreage Proposed: 463.3

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment: 31

Greg Rekowski : Examiner

Year of Entry: 2025

Availability for Management

| Total Acres | Acres Available | Acres Available With Condition | Acres Not Available |
|-------------|-----------------|--------------------------------|---------------------|
| 519 | 496 | 0 | 24 |
| 228 | 0 | 0 | 228 |
| 52 | 52 | 0 | 0 |
| 35 | 35 | 0 | 0 |
| 5 | 5 | 0 | 0 |
| 44 | 44 | 0 | 0 |
| 24 | 0 | 0 | 24 |
| 14 | 6 | 0 | 8 |
| 25 | 25 | 0 | 0 |
| 19 | 0 | 0 | 19 |
| 16 | 16 | 0 | 0 |
| 292 | 133 | 153 | 6 |
| 101 | 51 | 23 | 27 |
| 726 | 589 | 99 | 38 |
| 21 | 0 | 21 | 0 |
| 119 | 75 | 44 | 0 |
| 17 | 14 | 0 | 2 |
| 212 | 207 | 0 | 5 |
| 13 | 13 | 0 | 0 |
| 3 | 0 | 0 | 3 |
| 10 | 10 | 0 | 0 |
| 13 | 13 | 0 | 0 |
| 41 | 38 | 0 | 3 |
| 2,550 | 1,822 | 341 | 387 |
| | 71% | 13% | 15% |

Dominant Site Conditions

| | Total Acres | Acres Available | Acres Available With Condition | Acres Not Available | Dominant Site Conditions | | | | | | | | | |
|-----------------------------|--------------|-----------------|--------------------------------|---------------------|--------------------------|------------|----------|----------|------------|----------|-----------|-----------|-----------|----|
| | | | | | 5B | 5C | MC | 1A | 2G | 2H | 3A | 3J | 5E | |
| Aspen | 519 | 496 | 0 | 24 | | | 0 | | | | | | 14 | 10 |
| Cedar | 228 | 0 | 0 | 228 | | | | | 228 | | | | | |
| Cropland | 52 | 52 | 0 | 0 | | | | | | | | | | |
| Herbaceous Openland | 35 | 35 | 0 | 0 | | | | | | | | | | |
| Jack Pine | 5 | 5 | 0 | 0 | | | | | | | | | | |
| Low-Density Trees | 44 | 44 | 0 | 0 | | | | | | | | | | |
| Lowland Deciduous | 24 | 0 | 0 | 24 | | | | | 24 | | | | | |
| Lowland Mixed Forest | 14 | 6 | 0 | 8 | | | | | 8 | | | | | |
| Lowland Shrub | 25 | 25 | 0 | 0 | | | | | | | | | | |
| Lowland Spruce/Fir | 19 | 0 | 0 | 19 | | | | | 19 | | | | | |
| Marsh | 16 | 16 | 0 | 0 | | | | 0 | | | | | | |
| Mixed Upland Deciduous | 292 | 133 | 153 | 6 | 9 | 143 | 1 | | | | | 1 | 2 | 3 |
| Natural Mixed Pines | 101 | 51 | 23 | 27 | | 23 | | | | | | 12 | 14 | 1 |
| Northern Hardwood | 726 | 589 | 99 | 38 | | 95 | 4 | | 2 | | | 26 | 11 | |
| Oak | 21 | 0 | 21 | 0 | 21 | | | | | | | | | |
| Red Pine | 119 | 75 | 44 | 0 | 15 | 29 | | | | | | | | |
| Upland Conifers | 17 | 14 | 0 | 2 | | | | 2 | | | | | | |
| Upland Mixed Forest | 212 | 207 | 0 | 5 | | | | | | | | | | 5 |
| Upland Shrub | 13 | 13 | 0 | 0 | | | | | | | | | | |
| Upland Spruce/Fir | 3 | 0 | 0 | 3 | | | | | | 3 | | | | |
| Urban | 10 | 10 | 0 | 0 | | | | | | | | | | |
| Water | 13 | 13 | 0 | 0 | | | | | | | | | | |
| White Pine | 41 | 38 | 0 | 3 | | | | 2 | | | | 2 | | |
| Total Forested Acres | 2,550 | 1,822 | 341 | 387 | 45 | 291 | 6 | 4 | 280 | 3 | 40 | 41 | 19 | |
| Relative Percent | 71% | 13% | 15% | | | | | | | | | | | |

**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 | Dominant Site Availability | Dominant Site Condition | Acres | Other Site Condition | Other Site Condition | Other Site Condition | Other Site Condition |
|--|--------------------|---|-------------------------|-------|----------------------|----------------------|----------------------|----------------------|
| 1 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | | 7 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Numerous vernal pools in this stand. | | | | | | | | |

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment: 31

Greg Rekowski : Examiner

Year of Entry: 2025

| | | | | | | | |
|--|--------------------|---|----|-------------|-------------|-------------|-------------|
| 2 | Unavailable | 3A: Conservation Values incompatible with harvest at this time | 26 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: High quality stand with a lot of old, large diameter trees. Leave unmanaged. | | | | | | | |
| 3 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Wet drainage. | | | | | | | |
| 4 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 81 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Results of the gap treatments will determine the treatment next entry. Either thin in between the gaps, prescribe a new round of gaps, or leave alone. | | | | | | | |
| 5 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 92 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 6 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 17 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment: 31

Greg Rekowski : Examiner

Year of Entry: 2025

| | | | | | | | |
|--|-------------|--|----|-------------|-------------|-------------|-------------|
| 7 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 11 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 8 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 9 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 9 | Unavailable | 5E: Long-Term Retention | 4 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 10 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 11 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: BAs are lower in these areas and do not need to be thinned with the rest of stand 151. | | | | | | | |
| 12 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 5 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit
Greg Rekowski : Examiner

Compartment: 31
Year of Entry: 2025

| | | | | | | | |
|---|--------------------|---|---|-------------|-------------|-------------|-------------|
| 13 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 7 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 14 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 15 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 0 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Small vernal pool. | | | | | | | |
| 16 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Vernal pool to the north and seasonally wet area to the south in this site condition. | | | | | | | |
| 17 | Unavailable | 5E: Long-Term Retention | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 18 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 0 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Small seep that drains north into stand 125. | | | | | | | |
| 19 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit
Greg Rekowski : Examiner

Compartment: 31
Year of Entry: 2025

| | | | | | | | |
|---|-------------|--|-----|-------------|-------------|-------------|-------------|
| 20 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 21 | Unavailable | 5E: Long-Term Retention | 5 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 22 | Unavailable | 5E: Long-Term Retention | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Desired retention areas for stand 51. | | | | | | | |
| 23 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Several massive white pine in the area covered by this site condition. Leave unmanaged for now. | | | | | | | |
| 24 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 279 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 25 | Available | 5B: Maintain for regeneration purposes | 11 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment: 31

Greg Rekowski : Examiner

Year of Entry: 2025

| | | | | | | | |
|--|-------------|--|----|-------------|-------------|-------------|-------------|
| 26 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 19 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 27 | Available | 5B: Maintain for regeneration purposes | 8 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 28 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 29 | Unavailable | 1A: Federal/State/Local Law | 4 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Natural river influence zone for the Little Pigeon River, a tributary of the Pigeon River. | | | | | | | |
| 30 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 5 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 31 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment: 31

Greg Rekowski : Examiner

Year of Entry: 2025

| | | | | | | | |
|---|-------------|--|----|-------------|-------------|-------------|-------------|
| 32 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 33 | Available | Minor Change in Acreage | 6 | | | | |
| Comments: | | | | | | | |
| 34 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 13 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 35 | Available | 5B: Maintain for regeneration purposes | 9 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 36 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 37 | Unavailable | 3A: Conservation Values incompatible with harvest at this time | 7 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| Large diameter legacy trees throughout, provides a good swamp buffer. | | | | | | | |

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit
Greg Rekowski : Examiner

Compartment: 31
Year of Entry: 2025

| | | | | | | | |
|--|-------------|--|---|-------------|-------------|-------------|-------------|
| 38 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 8 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Numerous vernal pools and seasonally wet ground within this site condition. There is also a small seasonal stream, with defined banks, at the south end. | | | | | | | |
| 39 | Unavailable | 3A: Conservation Values incompatible with harvest at this time | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Small acreage, old trees. Should be left unmanaged. | | | | | | | |
| 40 | Unavailable | 3A: Conservation Values incompatible with harvest at this time | 4 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Surrounded by recent aspen clearcut, should be left as mature cover, at least until the surrounding aspen is ready for another harvest. | | | | | | | |
| 41 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: This site condition covers numerous vernal pools in stand 99. The southeast segment of the site condition is a small seasonal stream. | | | | | | | |
| 42 | Available | 5B: Maintain for regeneration purposes | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Fully-stocked hardwood understory. Manage for hardwoods, let the overstory senesce naturally. | | | | | | | |
| 43 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 9 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: These stands serve as good buffers for Mud Lake. Do not manage. | | | | | | | |

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment: 31

Greg Rekowski : Examiner

Year of Entry: 2025

| | | | | | | | |
|--|--------------------|---|----|-------------|-------------|-------------|-------------|
| 44 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 4 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: BAs are lower in these areas and do not need to be thinned with the rest of stand 151. | | | | | | | |
| 45 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Series of vernal pools and drainages in stand 109. Protect with appropriate buffers. | | | | | | | |
| 46 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Vernal pool buffer. | | | | | | | |
| 47 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 9 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Very nice hardwood understory that should be allowed to develop. | | | | | | | |
| 48 | Available | 5B: Maintain for regeneration purposes | 10 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 49 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 8 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit
 Greg Rekowski : Examiner

Compartment: 31
 Year of Entry: 2025

| | | | | | | | |
|--|--------------------|--|---|-------------|-------------|-------------|-------------|
| 51 | Available | 5B: Maintain for regeneration purposes | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 53 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Cluster of vernal pools. | | | | | | | |

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

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



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

| Conservation Area | Type | Description |
|-------------------|-------------------|--|
| SCA | Cold Water Lake | A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200. |
| SCA | Cold Water Stream | A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210. |
| SCA | Riparian Area | A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity. |
| HCVA | Natural Rivers | There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | |
|--------------------|---------------------------|--------------|------------|-----------|-------------|--------------|--|--------------------------|--------------|--------------|------------|----|
| 1 | 330 - Low-Density Trees | Nonstocked | 22.9 | | Unspecified | No | Borderline forested/non-forested stand. Clumps of trees scattered throughout, average ba/acre from 8 plots = 20 square feet. Black cherry is dominant in many areas, although not commercial quality. There looks like there are 2 age classes of aspen in this stand, suggesting that it may have been harvested at one time, but no sale records exist. There are some nice serviceberry clumps, although not common in the stand. | | | | | |
| | | | | | | | | Sub-Canopy Species | Density | Avg. Height | Size | |
| | | | | | | | | Red Pine | Trace | >20 feet | Log | |
| | | | | | | | | Bigtooth Aspen | Low | >20 feet | Pole | |
| | | | | | | | | White Pine | Low | >20 feet | Log | |
| | | | | | | | | Red Pine | Trace | 5 - 10 feet | Sapling | |
| | | | | | | | | Bigtooth Aspen | Trace | >20 feet | Log | |
| | | | | | | | | Red Maple | Low | >20 feet | Log | |
| | | | | | | | | Jack Pine | Low | >20 feet | Pole | |
| | | | | | | | | Balsam Fir | Trace | >20 feet | Pole | |
| | | | | | | | | White Pine | Low | Variable | Sapling | |
| | | | | | | | | Red Oak | Trace | >20 feet | Log | |
| | | | | | | | | White Pine | Low | >20 feet | Pole | |
| | | | | | | | | Red Oak | Trace | >20 feet | Sapling | |
| | | | | | | | | Black Cherry | High | Variable | Tall Shrub | |
| | | | | | | | | Jack Pine | Low | Variable | Sapling | |
| | | | | | | | | Serviceberry (Juneberry) | Trace | >20 feet | Tall Shrub | |
| Sweet Fern | High | < 5 feet | Tall Shrub | | | | | | | | | |
| Red Maple | Trace | >20 feet | Pole | | | | | | | | | |
| 2 | 3205 - Mixed Upland Shrub | Nonstocked | 1.9 | | Unspecified | No | From imagery, it appears this stand was clearcut in 1997 at the same time as adjacent stand #3, however this stand did not regenerate well and is now non-forested. | | | | | |
| | | | | | | | | Sub-Canopy Species | Density | Avg. Height | Size | |
| | | | | | | | | White Pine | Trace | >20 feet | Pole | |
| | | | | | | | | White Pine | Trace | Variable | Sapling | |
| | | | | | | | | Jack Pine | Low | Variable | Sapling | |
| | | | | | | | | Black Cherry | Low | Variable | Tall Shrub | |
| | | | | | | | | Sweet Fern | High | < 5 feet | Tall Shrub | |
| | | | | | | | | Red Pine | Trace | >20 feet | Log | |
| | | | | | | | | Jack Pine | Low | >20 feet | Pole | |
| | | | | | | | | 3 | 4130 - Aspen | Sapling Well | 5.3 | 25 |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | |
| Quaking Aspen | 70 | Sapling/Pole | 3 | 25 | | | | | | | | |
| Red Pine | 4 | Log | 15 | | | | | | | | | |
| Red Maple | 2 | Sapling | 3 | | | | | | | | | |
| Jack Pine | 4 | Pole/Sapling | 5 | | | | | | | | | |
| Bigtooth Aspen | 10 | Sapling/Pole | 4 | | | | | | | | | |
| White Pine | 10 | Log/Pole/Sap | 14 | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | |
| Black Cherry | Medium | Variable | Tall Shrub | | | | | | | | | |
| Red Maple | Medium | Variable | Sapling | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | |
|----------------------|---------------------------------------|----------------|-------|-----------|--------------------|--------------|---|--------------|------------|
| 4 | 42110 - Planted Red Pine | Sawtimber Well | 24.5 | 69 | 141-170 | N/A | Decent quality red pine plantation. Last thinned in 2005 in the sale "Standby Pine" (# 53-015-05-01, Biewer). BAs are variable, with several areas of low stocking. The areas of lower BA look like they had a significant amount of jack pine, which was all removed in the previous harvest. Some areas of very heavy browse on the red maple understory. Average ba/acre from 11 plots = 154 square feet. Flat terrain. An old railroad grade parallels the road in the west half of the stand. | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Red Maple | 2 | Pole | 6 | | Black Cherry | Low | | Variable | Tall Shrub |
| Red Pine | 96 | Log/Pole | 12 | 69 | Jack Pine | Low | | 10 - 20 feet | Sapling |
| White Pine | 2 | Pole/Log | 8 | | White Pine | Low | | Variable | Sapling |
| | | | | | Red Oak | Trace | | >20 feet | Sapling |
| | | | | | Red Maple | Low | | Variable | Sapling |
| | | | | | Red Maple | Medium | < 5 feet | Seeding | |
| 5 | 4130 - Aspen | Sapling Well | 1.3 | 16 | Immature | N/A | Cut by Biewer in 2005 in the sale "Standby Pine" (#53-015-05-01). Ground is a toss-up between upland and lowland. | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Red Oak | 2 | Sapling | 2 | | Tag Alder | Low | | Variable | Tall Shrub |
| Quaking Aspen | 88 | Sapling | 2 | 16 | | | | | |
| Balsam Fir | 6 | Sapling | 2 | | | | | | |
| White Pine | 4 | Sapling/Pole | 3 | | | | | | |
| 6 | 429 - Mixed Upland Conifers | Sawtimber Well | 6.0 | 76 | 81-110 | N/A | Mixed species stand that lies on a transition between upland and lowland. Wet ground is more prevalent along the south and east edges, becoming very wet along the southeast side, and there is also some wet ground in the interior as well. White pine is present in a dense clump at the far north end of the stand but is also scattered throughout the stand. White pine legacy trees are present. Trace of paper birch. Average ba/acre from 5 plots = 108 square feet. A large part of this stand lies within the influence zone of the Little Pigeon River. Leave unmanaged. | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Red Pine | 5 | Log/XLog | 14 | | Red Maple | Low | | Variable | Sapling |
| White Pine | 31 | Log/Pole/XLog | 13 | 76 | Black Spruce | Trace | | Variable | Sapling |
| Northern White Cedar | 5 | Log/Pole | 11 | | White Pine | Trace | | Variable | Sapling |
| Paper Birch | 2 | Log/Pole | 10 | | Paper Birch | Trace | | >20 feet | Sapling |
| Balsam Fir | 12 | Pole | 7 | | Nannyberry | Trace | | 5 - 10 feet | Tall Shrub |
| Black Spruce | 28 | Pole/Log | 8 | | Tag Alder | Medium | | 10 - 20 feet | Tall Shrub |
| Red Maple | 11 | Log/Pole | 11 | | Balsam Fir | Medium | | Variable | Sapling |
| Red Oak | 1 | Log | 14 | | | | | | |
| Tamarack | 5 | Log | 11 | | | | | | |
| 7 | 42260 - Natural Pine, Mixed Deciduous | Sawtimber Well | 4.3 | 85 | 111-140 | N/A | Small stand dominated by white pine with a closed road that runs east-west through the middle of the stand. The white pine is generally high quality with a variety of size classes present. There are a handful of massive white pine greater than 30" DBH, including a 48" tree in the southwest part of the stand. There are also a couple of very large red oak in the stand as well. A small inclusion dominated by red maple and aspen is present in the middle of the stand. Trace of paper birch (log/pole). Average ba/acre from 6 plots = 122 square feet. No management needed at this time. Perhaps thin next entry if BAs are high enough. | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| White Pine | 55 | Log/Pole/XLog | 14 | 85 | Black Cherry | Trace | | Variable | Tall Shrub |
| Jack Pine | 2 | Pole | 8 | | White Pine | Medium | | Variable | Sapling |
| Red Oak | 3 | XLog/Log | 20 | | Balsam Fir | Low | | Variable | Sapling |
| Red Pine | 7 | Log/XLog/Pole | 13 | | Black Spruce | Trace | | Variable | Sapling |
| Red Maple | 20 | Pole/Log | 8 | | | | | | |
| Bigtooth Aspen | 9 | Log/XLog/Pole | 15 | | | | | | |
| Black Spruce | 4 | Pole | 8 | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | |
|--------------------|-------------------------------|-----------------|------------|-----------|--------------------------|--------------|---|--|------------|
| 8 | 4319 - Mixed Upland Forest | Poletimber Poor | 17.0 | 61 | 1-50 | N/A | <p>Poorly-stocked stand with non-forested areas scattered throughout. Quality is generally poor on all species, however there are some better quality stems here and there. Jack pine is more dominant in the east finger of the stand. Some merchantable black cherry although most are poor form and only shrub quality. A few of the red oak are very large, close to 30" DBH. Trace of XL-sized white pine and red maple. Some clumps of white pine and jack pine regen are present, most are bushy and open-grown but there are some decent clumps of young white pine. Average ba/acre from 11 plots = 44 square feet. The old Richardson railroad grade runs east-west along the northern edge of the stand. As you move east along the grade, it becomes more elevated with substantial borrow pits on either side.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Red Oak | 4 | XLog/Log | 22 | | Serviceberry (Juneberry) | Trace | | Variable | Tall Shrub |
| White Pine | 18 | Pole/Log | 8 | | White Pine | Medium | | Variable | Sapling |
| Jack Pine | 29 | Pole/Log | 8 | | Red Pine | Trace | | Variable | Sapling |
| Quaking Aspen | 2 | Pole | 8 | | Balsam Fir | Trace | | Variable | Sapling |
| Black Cherry | 4 | Pole/Log | 8 | | Red Oak | Trace | | >20 feet | Sapling |
| Red Maple | 40 | Pole/Log | 8 | 61 | Jack Pine | Low | | Variable | Sapling |
| Red Pine | 1 | Pole/Log | 8 | | Black Cherry | Medium | | Variable | Tall Shrub |
| Bigtooth Aspen | 2 | Pole | 8 | | | | | | |
| 9 | 42110 - Planted Red Pine | Poletimber Well | 41.3 | 35 | 111-140 | N/A | | <p>This stand was clearcut in 1987 in the sale McJack Pine (#53-023-87, Georgia Pacific) and then subsequently replanted to red pine. The red pine looks in good shape but is not as well-stocked as you'd expect for a young plantation. There are a few small pockets throughout that are dominated by black cherry. A couple of small aspen clones are mixed into some places. Trace of red oak (sap/pole/log), red maple (pole), and balsam fir (pole). Average ba/acre from 13 plots = 122 square feet. Flat terrain. Row widths appear wide enough for a third row thinning in most places, which should be prescribed next entry if BAs have reached 180 square feet or higher.</p> | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | | Size |
| Bigtooth Aspen | 2 | Pole/Sapling | 5 | | Black Cherry | Medium | Variable | | Tall Shrub |
| White Pine | 2 | Pole/Sapling | 6 | | White Pine | Trace | Variable | | Sapling |
| Red Pine | 81 | Pole/Sapling | 6 | 35 | | | | | |
| Jack Pine | 15 | Pole/Sapling | 6 | | | | | | |
| 10 | 42110 - Planted Red Pine | Poletimber Well | 5.5 | 35 | 111-140 | N/A | <p>This stand was clearcut in 1987 in the sale McJack Pine by Georgia Pacific (#53-023-87) and then replanted. The red pine looks pretty good and is mostly all merchantable at this point. A small inclusion of aspen is present at the south end of the stand. Trace of white pine. Average ba/acre from 5 plots = 132 square feet. Third row thin next entry if BAs have reached 180 square feet.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Jack Pine | 6 | Pole/Sapling | 6 | | Black Cherry | Medium | | Variable | Tall Shrub |
| Red Pine | 86 | Pole/Sapling | 7 | 35 | | | | | |
| Quaking Aspen | 8 | Sapling/Pole | 4 | | | | | | |
| 11 | 6239 - Mixed Emergent Wetland | Nonstocked | 14.9 | | Unspecified | No | <p>-Little Pigeon River flows through this stand.-Tamarack, spruce, and balsam are more abundant in the portion of the stand east of Pickereel Lake Road.</p> | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | |
| Black Spruce | Low | | Pole | | | | | | |
| Balsam Fir | Low | | Pole | | | | | | |
| Tamarack | Low | | Pole | | | | | | |
| Balsam Fir | Trace | | Sapling | | | | | | |
| Cattail spp. | Low | | Non-Wood | | | | | | |
| White Pine | Trace | | Sapling | | | | | | |
| Alder | Medium | | Tall Shrub | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|------------------|------------|------------|----------|--------------|--|------------|----|---------------|----|----|----------------|----|--------------|----|----|---|---|--------------------|---------|-------------|---------------|--------------|--------------|----------|------------|---------------|--------|---------------|---------|----|---|----|--------------------|---------|-------------|---|------------|--------------------|----------|-------------|------------|------------|----------|----------|--------------|--|----------|--------------------|------------|--------------|----------|--------------|------------|----------|------------|------------|-----|----------|---------|--------------|-------|----------|---------|------------|------|----------|---------|
| 12 | 42220 - Natural Jack Pine | Poletimber Well | 0.9 | 77 | 51-80 | N/A | This is a nice little stand of jack pine, with straight, tall trees. Some mortality is ongoing, likely due to old age. Average ba/acre from 3 plots = 73 square feet. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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 Pine</td> <td>2</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>2</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>3</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>88</td> <td>Pole/Log</td> <td>8</td> <td>77</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Pine | 2 | Log/Pole | 12 | | Quaking Aspen | 2 | Log | 12 | | White Pine | 3 | Pole | 6 | | Red Maple | 5 | Pole/Log | 8 | | Jack Pine | 88 | Pole/Log | 8 | 77 | <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>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Trace</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | White Pine | Medium | Variable | Sapling | Balsam Fir | Trace | Variable | Sapling | Black Cherry | Trace | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 2 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 2 | Log | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 3 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 5 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 88 | Pole/Log | 8 | 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Trace | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 4311 - Pine, Aspen Mix | Poletimber Well | 12.8 | 35 | 81-110 | N/A | This stand was clearcut in 1987 in the sale McJack Pine (#53-023-87, Georgia Pacific). Regeneration came back well. Mixed pine is dominant in the west/northwest 1/2 of the stand, aspen is dominant in the remainder. The aspen is poor quality and does not appear healthy in many areas. Some aspen dieback was noted in the northwest corner of the stand. Trace of balsam poplar (pole) and red oak (log). Average ba/acre from 7 plots = 83 square feet. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Balsam Fir</td> <td>7</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>20</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>1</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td>Pole/Sap/Log</td> <td>7</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>44</td> <td>Pole/Sapling</td> <td>5</td> <td>35</td> </tr> <tr> <td>White Pine</td> <td>26</td> <td>Pole/Sap/Log</td> <td>6</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Balsam Fir | 7 | Sapling/Pole | 4 | | Jack Pine | 20 | Pole/Sapling | 6 | | White Spruce | 1 | Pole | 6 | | Red Pine | 2 | Pole/Sap/Log | 7 | | Quaking Aspen | 44 | Pole/Sapling | 5 | 35 | White Pine | 26 | Pole/Sap/Log | 6 | | <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>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | White Pine | Low | Variable | Sapling | Balsam Fir | Medium | Variable | Sapling | Black Cherry | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 7 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 20 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Spruce | 1 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 2 | Pole/Sap/Log | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 44 | Pole/Sapling | 5 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 26 | Pole/Sap/Log | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 42290 - Natural Mixed Pine | Sawtimber Well | 7.4 | 78 | 141-170 | N/A | Mixed pine stand with a variety of size classes present. Sawlog and poletimber trees dominate but there is an older age class of 20"+ red and white pine scattered throughout. Many of these larger trees meet legacy tree requirements. Small patches of planted red pine are present, mostly in the middle part of the stand. The north half of the stand has a heavier white pine component. The jack pine and aspen are mostly in the southeast part of the stand. A few areas of low stocking, closer to the swamp edge, are scattered throughout. Trace of red oak, paper birch, and cedar. Average ba/acre from 7 plots = 141 square feet. Found a very large stick nest in the south part of the stand which borders stand 19. The stick nest is sitting in a 30"+ white pine which is painted red (red line tree for adjacent harvest). Possible eagle nest? This stand serves as a nice buffer for the adjacent swamp and should remain unmanaged. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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 Pine</td> <td>38</td> <td>Log/Pole/XLog</td> <td>13</td> <td>78</td> </tr> <tr> <td>Jack Pine</td> <td>8</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>1</td> <td>Log</td> <td>13</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>2</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>White Pine</td> <td>42</td> <td>Log/Pole/XLog</td> <td>12</td> <td>78</td> </tr> <tr> <td>Balsam Fir</td> <td>2</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>2</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Pine | 38 | Log/Pole/XLog | 13 | 78 | Jack Pine | 8 | Log/Pole | 10 | | White Spruce | 1 | Log | 13 | | Quaking Aspen | 2 | Log/Pole | 10 | | White Pine | 42 | Log/Pole/XLog | 12 | 78 | Balsam Fir | 2 | Pole | 6 | | Black Spruce | 2 | Pole/Log | 8 | | Red Maple | 5 | Log/Pole | 10 | | <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>Black Cherry</td> <td>Trace</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Spruce</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Black Cherry | Trace | Variable | Tall Shrub | White Pine | Low | Variable | Sapling | White Spruce | Trace | Variable | Sapling | Balsam Fir | High | Variable | Sapling |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 38 | Log/Pole/XLog | 13 | 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 8 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Spruce | 1 | Log | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 2 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 42 | Log/Pole/XLog | 12 | 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 2 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | 2 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 5 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Trace | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Spruce | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 4130 - Aspen | Sapling Well | 3.6 | 26 | Immature | N/A | Clearcut in 1997 in the sale Mud Lake Blocks (Georgia Pacific, #53-011-96). Aspen regenerated well. Very heavy browse on red maple understory. Did not visit in 2022. Field visit in 2023 and update stand data. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>5</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>95</td> <td>Sapling/Pole</td> <td>4</td> <td>26</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Maple | 5 | Sapling | 3 | | Bigtooth Aspen | 95 | Sapling/Pole | 4 | 26 | <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>Black Cherry</td> <td>Medium</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Black Cherry | Medium | Variable | Tall Shrub | Red Maple | Medium | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 5 | Sapling | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 95 | Sapling/Pole | 4 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Medium | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 6131 - Hemlock, White Pine, Maple, Birch | Sawtimber Medium | 5.7 | 86 | 1-50 | N/A | -This stand lies within the influence zone of the Little Pigeon River and serves as a nice vegetative buffer. Transition between upland and lowland. Leave unmanaged. -Other species that were present but rare included hemlock and white spruce. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Balsam Fir</td> <td>2</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>22</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>2</td> <td>XLog/Log</td> <td>22</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>9</td> <td>XLog/Log</td> <td>20</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>26</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Balsam Fir | 2 | Pole | 7 | | Quaking Aspen | 22 | Log/Pole | 12 | | Red Oak | 2 | XLog/Log | 22 | | Red Pine | 9 | XLog/Log | 20 | | Red Maple | 26 | Pole/Log | 9 | | <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>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Medium</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Red Maple | Low | Variable | Sapling | Balsam Fir | Medium | Variable | Sapling | Tag Alder | Medium | Variable | Tall Shrub | White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 2 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 22 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 2 | XLog/Log | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 9 | XLog/Log | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 26 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag Alder | Medium | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | |
|---------------|-------------------------------------|-------------------|------------|-----------|-------------|-----------------|---|--------------------|-------------|--------------|------------|-----|
| 17 | 2113 - Forage Crops | Nonstocked | 4.9 | | Unspecified | Managed Opening | The majority of this stand is a maintained food plot, however there is a small inclusion (<1 acre) of jack pine and aspen along the north edge of the stand. A strip of unmanaged U type is present along the perimeter of the stand with some planted autumn olive, most less than 3 feet tall. | | | | | |
| | | | | | | | | Sub-Canopy Species | Density | Avg. Height | Size | |
| | | | | | | | | Jack Pine | Low | Variable | Sapling | |
| | | | | | | | | Sweet Fern | Low | < 5 feet | Tall Shrub | |
| | | | | | | | | Autumn Olive | Low | < 5 feet | Tall Shrub | |
| Black Cherry | Low | Variable | Tall Shrub | | | | | | | | | |
| 18 | 4199 - Other Mixed Upland Deciduous | Poletimber Medium | 8.0 | 84 | 81-110 | N/A | 2022- Sale was re-bid again as Mud Lake Maple (#53-002-21) and sold to Precision, again. Currently under contract. 2019 - Stand was a part of the sale Mud Lake Mix, #53-005-15-01, purchased by Precision. No cutting ever took place and Precision dropped the sale. Lines will be refreshed and the sale will be re-bid at a later date. -Low quality red maple, lot of stump sprouts. -Other species that were present but rare include balsam fir, paper birch, and red pine. -Portion of the north part of this stand lies within the influence zone for the Little Pigeon River. This area will likely have to be excluded from harvest. | | | | | |
| | | | | | | | | Canopy Species | % Cover | Size Class | DBH | Age |
| | | | | | | | | White Pine | 8 | Pole | 8 | |
| | | | | | | | | Red Maple | 47 | Pole/Log | 9 | 84 |
| | | | | | | | | Red Oak | 10 | XLog | 22 | |
| Quaking Aspen | 35 | Pole/Log | 8 | | | | | | | | | |
| | | | | | | | Sub-Canopy Species | Density | Avg. Height | Size | | |
| | | | | | | | White Pine | Low | Variable | Sapling | | |
| | | | | | | | Balsam Fir | Low | Variable | Sapling | | |
| | | | | | | | Red Maple | Low | Variable | Sapling | | |
| | | | | | | | | | | | | |
| 19 | 4133 - Aspen, Mixed Pine | Sapling Well | 13.1 | 15 | Immature | N/A | This stand was cut in 2008 in the sale The Witch's Broom (#53-005-05-01, AJD). Everything was cut but oak, red pine, and white pine. The white pine residual can be found in multiple different size classes. Also, there are some scattered aspen, red maple, and balsam fir that were left, sometimes occurring in small clumps. Aspen regenerated well in the north half of the stand but is mostly absent from the south half, I'm guessing beavers removed a lot of it. A few small areas of wet ground scattered throughout. Heavy deer use and browse on the small red maple, especially in the south half. | | | | | |
| | | | | | | | | Canopy Species | % Cover | Size Class | DBH | Age |
| | | | | | | | | Red Maple | 10 | Sapling/Pole | 3 | |
| | | | | | | | | White Pine | 25 | Log/Pole/Sap | 10 | 58 |
| | | | | | | | | Black Cherry | 2 | Sapling | 3 | |
| | | | | | | | | Quaking Aspen | 50 | Sapling | 3 | 15 |
| | | | | | | | | Red Pine | 4 | Log/XLog | 15 | |
| | | | | | | | | Red Oak | 1 | Log | 15 | |
| | | | | | | | | Balsam Fir | 8 | Pole/Sap/Log | 6 | |
| | | | | | | | | | | | | |
| Red Maple | Medium | < 5 feet | Seeding | | | | | | | | | |
| Balsam Fir | Medium | 5 - 10 feet | Sapling | | | | | | | | | |
| Black Cherry | Low | Variable | Tall Shrub | | | | | | | | | |
| White Pine | Low | 5 - 10 feet | Sapling | | | | | | | | | |
| Red Maple | Low | 5 - 10 feet | Sapling | | | | | | | | | |
| 20 | 4133 - Aspen, Mixed Pine | Sapling Well | 23.7 | 25 | Immature | N/A | This stand was clearcut in 1997 in the sale Mud Lake Blocks (#53-011-96, Georgia Pacific). Pretty good aspen regeneration throughout with the exception of the northern part of the stand which has more pine regeneration. Scattered residual of red pine, white pine, and red oak. The east end of the stand has wetter ground. Trace of spruce. | | | | | |
| | | | | | | | | Canopy Species | % Cover | Size Class | DBH | Age |
| | | | | | | | | Red Pine | 9 | Log/XLog | 15 | |
| | | | | | | | | Red Oak | 2 | XLog/Log | 20 | |
| | | | | | | | | Jack Pine | 8 | Sapling/Pole | 4 | |
| | | | | | | | | Black Cherry | 2 | Sapling | 4 | |
| | | | | | | | | Balsam Fir | 1 | Sapling | 3 | |
| | | | | | | | | White Pine | 6 | Log/Pole/Sap | 12 | |
| | | | | | | | | Red Maple | 2 | Sapling | 3 | |
| | | | | | | | | Quaking Aspen | 70 | Sapling/Pole | 3 | 25 |
| | | | | | | | Sub-Canopy Species | Density | Avg. Height | Size | | |
| | | | | | | | Red Pine | Low | 5 - 10 feet | Sapling | | |
| | | | | | | | Balsam Fir | Low | Variable | Sapling | | |
| | | | | | | | White Pine | Medium | Variable | Sapling | | |
| | | | | | | | Black Cherry | Medium | Variable | Tall Shrub | | |
| Red Maple | Medium | Variable | Sapling | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | |
|----------------|---------------------------------------|-----------------|-------|-----------|--------------------------|--------------|--|---|-------------|
| 21 | 42290 - Natural Mixed Pine | Sawtimber Well | 4.4 | 58 | 81-110 | N/A | <p>Relatively diverse stand that is dominated by white pine. The white pine is found in a variety of size classes throughout the stand, including pockets heavier to poletimber as well as some very large legacy trees along the lake edge, one was measured a 44" DBH. Some areas of low stocking that have filled in with regeneration. Two small wetland potholes at the north end with holly growing in them. Recent beaver activity in the middle part of the stand, with several "trails" leading back to the lake. They seem to be mostly targeting small diameter (<5") red maple at this time. A few black cherry are merchantable. Trace of paper birch. Average ba/acre from 5 plots = 100 square feet. An old road travels north-south through the middle of the stand. No management as this stand serves as a buffer for Mud Lake.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| White Pine | 48 | Log/Pole/XLog | 11 | 58 | Black Cherry | Low | | >20 feet | Tall Shrub |
| Jack Pine | 7 | Log/Pole | 11 | 58 | Balsam Fir | High | | Variable | Sapling |
| Red Pine | 6 | Log/XLog | 16 | 84 | Michigan Holly | Trace | | 5 - 10 feet | Tall Shrub |
| Red Maple | 18 | Log/Pole | 12 | | White Pine | Medium | | Variable | Sapling |
| Black Spruce | 3 | Pole | 6 | | Red Maple | Medium | | >20 feet | Sapling |
| Quaking Aspen | 8 | Log | 12 | | | | | | |
| White Spruce | 1 | Log/Pole | 11 | | | | | | |
| Balsam Fir | 7 | Pole/Sapling | 6 | | | | | | |
| Red Oak | 2 | XLog/Log | 20 | | | | | | |
| 22 | 42290 - Natural Mixed Pine | Sawtimber Well | 4.6 | 82 | 141-170 | N/A | | <p>Mixed pine stand, mostly bordering Mud Lake, and is the former site of a lodge that used to be under private ownership. An old foundation near the lake with the remains of a chimney is still standing. Another open area in the stand is an old tennis court. Today it is a popular camping area. A clump of planted red pine is present in the middle of the stand but the remainder of the pine appears to be natural. The far east side of the stand and along the lakeshore has some of the fir and jack pine. Heavy deer browse on young red maple seedlings. Trace of white spruce (log) and paper birch (pole/log) as well as a handful of sapling and poletimber sized red oak. Average ba/acre from 6 plots = 143 square feet. Do not manage.</p> | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | | Avg. Height |
| Red Oak | 2 | XLog | 20 | | Red Maple | Medium | Variable | | Sapling |
| Balsam Fir | 1 | Pole/Log | 8 | | Balsam Fir | Low | Variable | | Sapling |
| Red Pine | 42 | Log/XLog/Pole | 14 | 82 | Black Cherry | Low | Variable | | Tall Shrub |
| Quaking Aspen | 4 | Log/Pole | 12 | | White Pine | Medium | Variable | | Sapling |
| White Pine | 45 | Log/Pole/XLog | 13 | 82 | Red Maple | Medium | < 5 feet | | Seeding |
| Jack Pine | 2 | Log | 12 | | | | | | |
| Red Maple | 4 | Pole/Log | 9 | | | | | | |
| 23 | 4119 - Mixed Northern Hardwoods | Sawtimber Well | 1.7 | 84 | 81-110 | N/A | <p>2022- Sale was re-bid as Mud Lake Maple (#53-002-21) and sold to Precision, again. Currently under contract.</p> <p>2019 - Stand was a part of the sale Mud Lake Mix, #53-005-15-01, purchased by Precision. No cutting ever took place and Precision dropped the sale. Lines will be refreshed and the sale will be re-bid at a later date.</p> <p>-Heavy browse on RM understory. -Some nice RO saps that should be protected from harvesting damage.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Bigtooth Aspen | 11 | Log/Pole | 10 | | Red Maple | Low | | Variable | Sapling |
| Balsam Fir | 2 | Pole/Log | 9 | | White Pine | Low | | Variable | Sapling |
| White Pine | 2 | Log | 12 | | Serviceberry (Juneberry) | Low | | Variable | Tall Shrub |
| Red Pine | 2 | Log | 12 | | | | | | |
| Red Maple | 79 | Log/Pole | 10 | 84 | | | | | |
| Red Oak | 4 | XLog/Log | 22 | | | | | | |
| 24 | 42260 - Natural Pine, Mixed Deciduous | Poletimber Well | 11.9 | 35 | 51-80 | N/A | | <p>This stand was clearcut in 1987 in the sale McJack Pine (#53-023-87, Georgia Pacific). Regeneration came back moderately well, although there are several areas of low stocking throughout. Aspen is mostly in the northeast part of the stand and appears unhealthy and stunted in many areas. A pocket of larger trees at the south end of the stand, there are also some large diameter red pine residual trees scattered throughout as well. Trace of balsam fir poletimber. Average ba/acre from 6 plots = 53 square feet.</p> | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | | Avg. Height |
| Quaking Aspen | 29 | Sapling/Pole | 4 | | Black Cherry | Medium | Variable | | Tall Shrub |
| Red Pine | 6 | Pole/Log/Sap | 5 | | White Pine | Medium | Variable | | Sapling |
| White Pine | 10 | Pole/Sap/Log | 7 | | Red Pine | Trace | Variable | | Sapling |
| Bigtooth Aspen | 5 | Pole | 6 | | | | | | |
| Jack Pine | 50 | Pole/Sapling | 6 | 35 | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | |
|--------------------------|----------------------------------|----------------|------------|-----------|-------------|--------------|--|--------------------------|---------|-------------|------------|-----|
| 25 | 330 - Low-Density Trees | Nonstocked | 13.9 | | Unspecified | No | Borderline forested, clumps of trees throughout. Non-forested areas have a lot of non-merchantable black cherry. A nice representation of advanced oak regeneration in many places of the stand. The southern 1/3rd of the stand had trees felled during a MUCC volunteer event in 2015 in an attempt to open up the stand some more. Oak and shrubs were supposed to be planted as well but I did not see any evidence of that. | | | | | |
| | | | | | | | | Sub-Canopy Species | Density | Avg. Height | Size | |
| | | | | | | | | Hawthorn (spp.) | Trace | 5 - 10 feet | Tall Shrub | |
| | | | | | | | | Quaking Aspen | Low | >20 feet | Log | |
| | | | | | | | | White Pine | Low | Variable | Sapling | |
| | | | | | | | | Balsam Fir | Trace | Variable | Sapling | |
| | | | | | | | | Red Maple | Trace | >20 feet | Pole | |
| | | | | | | | | Jack Pine | Trace | >20 feet | Log | |
| | | | | | | | | Serviceberry (Juneberry) | Trace | Variable | Tall Shrub | |
| | | | | | | | | White Pine | Trace | >20 feet | Log | |
| | | | | | | | | Sweet Fern | Medium | < 5 feet | Tall Shrub | |
| | | | | | | | | Red Maple | Medium | Variable | Sapling | |
| | | | | | | | | Balsam Fir | Trace | >20 feet | Pole | |
| | | | | | | | | White Pine | Low | >20 feet | Pole | |
| | | | | | | | | Red Maple | Low | >20 feet | Log | |
| | | | | | | | | Black Cherry | High | Variable | Tall Shrub | |
| | | | | | | | | Red Oak | Trace | >20 feet | Log | |
| Jack Pine | Trace | >20 feet | Pole | | | | | | | | | |
| Red Oak | Low | Variable | Sapling | | | | | | | | | |
| 26 | 500 - Water | Nonstocked | 13.3 | | Unspecified | No | Mud Lake | | | | | |
| | | | | | | | | | | | | |
| 27 | 42110 - Planted Red Pine | Sawtimber Well | 1.5 | 74 | 141-170 | N/A | Decent red pine. Last thinned in 2005 by Biewer in the sale "Standby Pine" (#53-015-05-01). Average ba/acre from 2 plots = 165 square feet. | | | | | |
| | | | | | | | | Canopy Species | % Cover | Size Class | DBH | Age |
| | | | | | | | | Red Pine | 96 | Log/Pole | 12 | 74 |
| | | | | | | | | Red Maple | 2 | Pole | 6 | |
| | | | | | | | | White Pine | 2 | Pole | 6 | |
| | | | | | | | | Sub-Canopy Species | Density | Avg. Height | Size | |
| | | | | | | | | White Pine | Trace | Variable | Sapling | |
| Black Cherry | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | |
| Balsam Fir | Trace | Variable | Sapling | | | | | | | | | |
| Serviceberry (Juneberry) | Low | Variable | Tall Shrub | | | | | | | | | |
| 28 | 629 - Mixed non-forested wetland | Nonstocked | 8.6 | | Unspecified | No | -Wet stand. Standing dead cedar. Evidence of recent beaver activity. -An old road borders the east side of this stand running north-south. | | | | | |
| | | | | | | | | Sub-Canopy Species | Density | Avg. Height | Size | |
| | | | | | | | | Cattail spp. | Medium | | Non-Wood | |
| | | | | | | | | Balsam Fir | Trace | | Pole | |
| | | | | | | | | Alder | Medium | | Tall Shrub | |
| Northern White Cedar | Trace | | Pole | | | | | | | | | |
| 29 | 629 - Mixed non-forested wetland | Nonstocked | 16.6 | | Unspecified | No | Ring of mostly dead cedar around Mud Lake. Apparently portions of this stand were cut by Rick Fitzgerald as part of a cedar salvage in 1995 (McIntyre Salvage, #53-006-93). Sedge species dominate the vegetation of this wetland. | | | | | |
| | | | | | | | | | | | | |



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

| 30 | 429 - Mixed Upland Conifers | Sapling Well | 5.2 | 25 | Immature | N/A | This stand was clearcut in 1997 in the sale Mud Lake Blocks (#53-011-96, Georgia Pacific). Regeneration came back well to a mix of species. Aspen is more common in the east half of the stand. Trace of red oak residual. Some of the residual red pine are legacy tree size. | | | | |
|----------------|-----------------------------|--------------|------------------|-----|----------|--------------------|--|---------|-------------|---------|--|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Red Pine | | 1 | Sapling | 2 | | Red Pine | | Trace | 5 - 10 feet | Sapling | |
| Red Maple | | 1 | Sapling | 3 | | Balsam Fir | | Medium | Variable | Sapling | |
| White Spruce | | 3 | Sapling/Pole | 4 | | White Pine | | Low | Variable | Sapling | |
| Quaking Aspen | | 35 | Sapling/Pole | 3 | 25 | | | | | | |
| Jack Pine | | 27 | Sapling/Pole | 4 | | | | | | | |
| Balsam Fir | | 15 | Sapling/Pole | 3 | | | | | | | |
| Red Pine | | 5 | XLog | 22 | | | | | | | |
| White Pine | | 13 | Sapling/Pole/Log | 4 | | | | | | | |

| | | | | | | | |
|-----------|---------------------|------------|-----|--|-------------|-----------------|---|
| 31 | 2113 - Forage Crops | Nonstocked | 3.1 | | Unspecified | Managed Opening | Maintained food plot. There is a small clump of black cherry in the middle of the west half of the stand. In the middle of the east half there is a small clump of sapling sized jack and white pine. |
|-----------|---------------------|------------|-----|--|-------------|-----------------|---|

| 32 | 4319 - Mixed Upland Forest | Sawtimber Well | 10.9 | 98 | 81-110 | N/A | This stand is currently under contract in the sale Mud Lake North (#53-003-21), bought by Precision. A species diverse stand with multiple sizes of white pine throughout, with a few very large XL size trees. Other species that were present but rare include red oak, black spruce, and paper birch. Areas of seasonally wet ground along the south edge of the stand. | | | | |
|----------------------|----------------------------|----------------|---------------|-----|--------|--------------------|---|---------|-------------|---------|--|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Red Maple | | 28 | Pole/Log | 9 | | White Pine | | Low | Variable | Sapling | |
| Balsam Fir | | 5 | Log/Pole | 10 | | Red Maple | | Medium | Variable | Sapling | |
| Quaking Aspen | | 20 | Log | 12 | | Balsam Fir | | High | Variable | Sapling | |
| Red Pine | | 5 | Log/XLog | 15 | | | | | | | |
| Northern White Cedar | | 2 | Pole | 7 | | | | | | | |
| White Pine | | 31 | Log/Pole/XLog | 12 | 98 | | | | | | |
| Jack Pine | | 9 | Pole/Log | 8 | | | | | | | |

| 33 | 6130 - Fir, Aspen, Maple | Sawtimber Poor | 8.0 | 92 | 1-50 | N/A | Mix of upland and lowland. Overstory is quite light with a dense understory of fir. There used to be some black ash in the stand but it has all been killed by EAB. Other species that were present but rare included hemlock and paper birch. | | | | |
|----------------------|--------------------------|----------------|---------------|-----|------|--------------------|--|---------|-------------|------------|--|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| White Pine | | 8 | Log/Pole/XLog | 14 | | Tag Alder | | Medium | Variable | Tall Shrub | |
| Red Pine | | 3 | XLog | 18 | | Balsam Fir | | Full | Variable | Sapling | |
| Red Maple | | 40 | Log/Pole | 12 | 92 | | | | | | |
| Red Oak | | 3 | Log | 12 | | | | | | | |
| Quaking Aspen | | 3 | Log | 12 | | | | | | | |
| Balsam Fir | | 19 | Pole/Sapling | 5 | 50 | | | | | | |
| White Spruce | | 16 | Log/Pole | 10 | | | | | | | |
| Northern White Cedar | | 8 | Log/Pole | 12 | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | |
|----------------------|-------------------------------------|-------------------|-------|-----------|--------------------------|--------------|---|---|------------|
| 34 | 4319 - Mixed Upland Forest | Poletimber Poor | 5.6 | 82 | 51-80 | N/A | <p>Poorly-stocked hodgepodge of a stand. Most species are poor quality. Best stocking and quality are in the northeast part of the stand. Jack pine tends to be more numerous along the edges of the food plot. Quaking aspen is mostly in a small clump at the far western end of the stand and is in decline. Scattered areas of U mixed in throughout. Previous OI notes indicated red oak acorns were planted but I only observed two red oak saplings in stand so the planting was not successful. Average ba/acre from 6 plots = 57 square feet. No management at this time, let pine continue to fill in.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Bigtooth Aspen | 1 | Pole | 8 | | Red Oak | Trace | | >20 feet | Sapling |
| Red Pine | 2 | Log | 13 | | Red Pine | Low | | 5 - 10 feet | Sapling |
| Quaking Aspen | 8 | Pole | 8 | | Serviceberry (Juneberry) | Trace | | Variable | Tall Shrub |
| Red Oak | 3 | Log/XLog | 17 | | Black Cherry | Medium | | Variable | Tall Shrub |
| White Pine | 14 | Log/Pole | 11 | | White Pine | Medium | | Variable | Sapling |
| Jack Pine | 26 | Pole/Log | 8 | | Jack Pine | Medium | | Variable | Sapling |
| Red Maple | 46 | Pole/Log | 8 | 82 | | | | | |
| 35 | 6120 - Lowland Cedar | Poletimber Medium | 222.7 | 148 | 81-110 | N/A | | <p>Variable stocking throughout the stand with some areas of nice cedar. However, the majority of this stand is very wet, and cedar is showing signs of decline and mortality. 98DOQ imagery shows that most of this stand was healthy at one time. Beaver dams in the stream at the northwest part of the stand has likely altered hydrology in the stand and is the reason for most of the decline. A few scattered upland islands within this stand, most less than 1 acre in size. Two old roads go through this stand but they are overgrown in many areas. Did not walk through this stand in 2022. Make a return visit to update data in 2032.</p> | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | | Size |
| Tamarack | 2 | Log | 11 | | Tag Alder | Low | Variable | | Tall Shrub |
| Northern White Cedar | 77 | Pole/Log | 9 | 148 | Balsam Fir | Full | Variable | | Sapling |
| Black Spruce | 4 | Pole/Sapling | 5 | | | | | | |
| White Spruce | 5 | Log/Pole | 11 | | | | | | |
| Balsam Fir | 12 | Pole/Sapling | 6 | | | | | | |
| 36 | 4199 - Other Mixed Upland Deciduous | Sawtimber Medium | 13.3 | 84 | 81-110 | N/A | <p>2022- Sale was re-bid as Mud Lake Maple (#53-002-21) and sold to Precision, again. Currently under contract.</p> <p>2019 - The north 1/2 of this stand was a part of the sale Mud Lake Mix, #53-005-15-01, purchased by Precision. No cutting ever took place and Precision dropped the sale. Lines will be refreshed and the sale will be re-bid at a later date.</p> <p>-Small 2 acre parcel of private property with a house on it intersects this stand. Portion of stand south of this parcel becomes more open. This area will be left as retention.</p> <p>-Oak trying to regenerate in a few areas but browse is knocking it back.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| White Pine | 2 | Pole | 8 | | Red Maple | Low | | Variable | Sapling |
| Red Pine | 2 | Log | 12 | | Balsam Fir | Low | | Variable | Sapling |
| Bigtooth Aspen | 17 | Log/Pole | 11 | | | | | | |
| Jack Pine | 7 | Log/Pole | 10 | | | | | | |
| Balsam Fir | 6 | Pole | 7 | | | | | | |
| Red Oak | 22 | XLog/Log | 20 | | | | | | |
| Red Maple | 44 | Log/Pole | 10 | 84 | | | | | |
| 37 | 42110 - Planted Red Pine | Sawtimber Well | 2.5 | 74 | 141-170 | N/A | | <p>Decent red pine. Last thinned in 2005 by Biewer in the sale "Standby Pine" (#53-015-05-01). Heavy browse on red maple seedlings in the south finger. A few red oak saplings in the northeast corner. Handful of merchantable black cherry. Average ba/acre from 5 plots = 152 square feet. An old wire fence is still present in some trees along the north and east edges of the stand.</p> | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | | Size |
| Red Pine | 89 | Log/Pole | 12 | 74 | Black Cherry | Medium | Variable | | Tall Shrub |
| White Pine | 2 | Pole/Log | 8 | | White Pine | Low | Variable | | Sapling |
| Red Oak | 3 | XLog/Log | 21 | | Red Oak | Trace | 10 - 20 feet | | Sapling |
| Red Maple | 6 | Pole/Log | 8 | | Serviceberry (Juneberry) | Trace | Variable | | Tall Shrub |
| | | | | | Balsam Fir | Trace | Variable | | Sapling |
| | | | | | Red Maple | Medium | < 5 feet | | Seeding |
| 38 | 6120 - Lowland Cedar | Poletimber Poor | 5.1 | 100 | 1-50 | N/A | <p>Ugly stand of poor quality cedar that is declining. Heavy fir understory. Very wet.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Black Spruce | 2 | Pole/Log | 8 | | Tag Alder | Low | | 5 - 10 feet | Tall Shrub |
| Northern White Cedar | 98 | Pole/Log | 8 | 100 | Balsam Fir | Full | Variable | Sapling | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------------|-------------------|------------|------------|----------|--------------|---|---------------|----|--------------|---|-----|---------------|----|------|----|--|------------|----|---------------|----|----|----------------------|----|---------------|----|--|---|----|--------------------|---------|-------------|----------------------|--------------|--------------|----------|---------|--|--------|--------------------|------------|-------------|---|--------------|--------------------|------------|-------------|-----------|-----------|----------|----------|----------|------------|----------------|----------|------------|---------|---------------|---------|----------|---------|------------|--------|----------|---------|-----------|--------|----------|---------|
| 39 | 6113 - Lowland Maple | Poletimber Medium | 23.9 | 58 | 51-80 | N/A | Highly variable stand that is a mixed bag of everything. Some upland islands are present but mostly this is a lowland stand with several wet drainages running through it. These drainages are comprised mostly of dead black ash and sub-merchantable balsam fir and red maple. Non-drainage lowland areas are dominated by red maple and fir. Clumps of older cedar are scattered throughout and there are also a few log-size aspen and spruce present. Too wet for management. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Paper Birch</td> <td>2</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>4</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>65</td> <td>Pole/Sapling</td> <td>6</td> <td>58</td> </tr> <tr> <td>Balsam Fir</td> <td>11</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Black Ash</td> <td>2</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>14</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>2</td> <td>Log</td> <td>13</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Paper Birch | 2 | Pole | 6 | | Quaking Aspen | 4 | Log | 12 | | Red Maple | 65 | Pole/Sapling | 6 | 58 | Balsam Fir | 11 | Pole/Sapling | 6 | | Black Ash | 2 | Pole/Sapling | 6 | | Northern White Cedar | 14 | Log/Pole | 10 | | White Spruce | 2 | Log | 13 | | <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>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Red Maple | High | Variable | Sapling | Balsam Fir | High | Variable | Sapling | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 2 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 4 | Log | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 65 | Pole/Sapling | 6 | 58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 11 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Ash | 2 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern White Cedar | 14 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Spruce | 2 | Log | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 6122 - Black Spruce | Poletimber Well | 18.9 | 104 | 81-110 | N/A | Black spruce dominated stand of varying quality. The north "bubble" has the best quality, with the spruce and tamarack showing better growth. Balsam understory and cedar overstory become more prevalent as you move to the south. Scattered blowdown throughout. Leatherleaf and sphagnum understory. 2019 - The north "bubble" of the stand was a part of the sale Mud Lake Mix, #53-005-15-01, purchased by Precision. No cutting ever took place and Precision dropped the sale. This stand will not be put back up for sale. The ground is very wet and it was a questionable decision to prescribe it in the first place. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Black Spruce</td> <td>55</td> <td>Pole/Sapling</td> <td>5</td> <td>104</td> </tr> <tr> <td>Tamarack</td> <td>17</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>White Pine</td> <td>6</td> <td>Log</td> <td>15</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>22</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Black Spruce | 55 | Pole/Sapling | 5 | 104 | Tamarack | 17 | Pole | 7 | | White Pine | 6 | Log | 15 | | Northern White Cedar | 22 | Pole | 7 | | <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>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Low</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Black Spruce | Low | Variable | Sapling | Balsam Fir | Medium | Variable | Sapling | Tag Alder | Low | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | 55 | Pole/Sapling | 5 | 104 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tamarack | 17 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 6 | Log | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern White Cedar | 22 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag Alder | Low | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 4130 - Aspen | Poletimber Well | 2.2 | 35 | 81-110 | N/A | This stand was clearcut in 1987 in the sale Pipeline Mix (Quality Chips Company, #53-033-85). Regeneration came back well except for a few poorly-stocked areas at the north end. A few oak regenerated as well. This stand will be ready for a harvest next entry. Harvest with adjacent stands 46, 50, and 52 to the south. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Quaking Aspen</td> <td>5</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>2</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>1</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>White Pine</td> <td>3</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>85</td> <td>Pole</td> <td>7</td> <td>35</td> </tr> <tr> <td>Red Maple</td> <td>4</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Quaking Aspen | 5 | Pole/Sapling | 6 | | Red Oak | 2 | Log | 12 | | Jack Pine | 1 | Pole | 6 | | White Pine | 3 | Pole | 7 | | Bigtooth Aspen | 85 | Pole | 7 | 35 | Red Maple | 4 | Pole/Sapling | 5 | | <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>Black Cherry</td> <td>Medium</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Black Cherry | Medium | Variable | Tall Shrub | Red Maple | Medium | Variable | Sapling | Red Oak | Low | >20 feet | Sapling | White Pine | Low | Variable | Sapling | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 5 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 2 | Log | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 1 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 3 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 85 | Pole | 7 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 4 | Pole/Sapling | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Medium | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | 42200 - Natural White Pine | Sawtimber Medium | 12.3 | 66 | 51-80 | N/A | Everything but red and white pine was cut out of this stand in 2008 in the sale The Witch's Broom (#53-003-05-01). Varying sizes of residual pine in the stand, with some very large pine toward the north end of the stand with a few 40"+ white pine. BAs are also highly variable due to the species removal. In general, BAs are much lower along the west edge of the stand, with more aspen regeneration in these areas. Heavy browse on the red maple seedlings. Some lowland along the west and north edges of the stand. Average ba/acre from 6 pots = 72 square feet. No management until the second age class matures. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>1</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>8</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>White Pine</td> <td>67</td> <td>Log/Pole/XLog</td> <td>12</td> <td>66</td> </tr> <tr> <td>Red Pine</td> <td>24</td> <td>Log/XLog/Pole</td> <td>15</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Maple | 1 | Pole | 7 | | Balsam Fir | 8 | Pole | 6 | | White Pine | 67 | Log/Pole/XLog | 12 | 66 | Red Pine | 24 | Log/XLog/Pole | 15 | | <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>White Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Trace</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Quaking Aspen</td> <td>Medium</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>< 5 feet</td> <td>Seeding</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | White Spruce | Low | Variable | Sapling | Black Cherry | Trace | Variable | Tall Shrub | Red Maple | Medium | 5 - 10 feet | Sapling | White Pine | Trace | Variable | Sapling | Red Pine | Trace | Variable | Sapling | Bigtooth Aspen | Low | >20 feet | Sapling | Quaking Aspen | Medium | >20 feet | Sapling | Balsam Fir | Medium | Variable | Sapling | Red Maple | Medium | < 5 feet | Seeding |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 1 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 8 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 67 | Log/Pole/XLog | 12 | 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 24 | Log/XLog/Pole | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Spruce | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Trace | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | < 5 feet | Seeding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | |
|---------------------------|--------------------------------|-----------------|--------------------|-------------|-------------|---------------------------|---|--|
| 43 | 42340 - Upland Spruce/Fir | Poletimber Well | 2.6 | 34 | 81-110 | N/A | Old tordon opening filling in with spruce and fir. A few mature pine and maple scattered throughout. Cedar and tamarack along the edges. Average ba/acre from 5 plots = 98 square feet. An old grade passes north-south through the stand. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | |
| Balsam Fir | | 49 | Pole/Sapling | 5 | 34 | Black Spruce | | |
| Black Spruce | | 37 | Pole/Sapling | 7 | | Red Maple | | |
| Red Pine | | 2 | Log/XLog | 15 | | Red Pine | | |
| Northern White Cedar | | 2 | Log/Pole | 11 | | Balsam Fir | | |
| Tamarack | | 3 | Pole | 8 | | | | |
| Red Maple | | 5 | Log/Pole | 12 | | | | |
| Paper Birch | | 2 | Pole/Sapling | 6 | | | | |
| | | | | | | | | |
| 44 | 3105 - Mixed Upland Herbaceous | Nonstocked | 1.5 | | Unspecified | No | Appears to be an old landing that is now filling in with trees around the edges. Small amount of barren ground. | |
| Sub-Canopy Species | | Density | Avg. Height | Size | | | | |
| Red Pine | | Trace | >20 feet | Log | | | | |
| White Pine | | Trace | >20 feet | Log | | | | |
| Jack Pine | | Medium | Variable | Sapling | | | | |
| Red Pine | | Trace | Variable | Sapling | | | | |
| Sweet Fern | | Medium | < 5 feet | Tall Shrub | | | | |
| Balsam Fir | | Trace | < 5 feet | Seeding | | | | |
| Balsam Poplar | | Trace | Variable | Sapling | | | | |
| White Pine | | Medium | Variable | Sapling | | | | |
| Quaking Aspen | | Trace | Variable | Sapling | | | | |
| 45 | 4130 - Aspen | Poletimber Well | 3.7 | 36 | 111-140 | N/A | Clearcut in 1987 in the sale Pine-between-the-Aspen (#53-024-87, Riker and Sons Products). Aspen regenerated well. Trace of Xlog red oak in the overstory. Average ba/acre from 3 plots = 127 square feet. Rolling terrain. Should be ready for a final harvest in 10 years. Manage together with adjacent stand 49 to the south. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | |
| Bigtooth Aspen | | 66 | Pole/Sapling | 7 | 36 | Red Maple | | |
| Red Pine | | 2 | Log/XLog | 16 | | Balsam Fir | | |
| Balsam Fir | | 5 | Pole/Sapling | 5 | | Black Cherry | | |
| White Pine | | 6 | Pole | 6 | | White Pine | | |
| Red Maple | | 6 | Pole/Sapling | 6 | | | | |
| Quaking Aspen | | 15 | Pole/Sapling | 7 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 46 | 42220 - Natural Jack Pine | Poletimber Well | 3.6 | 35 | 81-110 | N/A | This stand was clearcut in 1987 in the sale Pipeline Mix (Quality Chips Company, #53-033-85). Regeneration came back well to a mix of species. A strip of larger diameter trees is present along the pipeline. Wet ground in the northeast part of the stand, on both sides of Pickerel Lake Road. Trace of tamarack. Average ba/acre from 4 plots = 83 square feet. Should be ready for a harvest in 10 years. Exclude all wet areas. Cut together with stands 41, 50, and 52. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | |
| Jack Pine | | 65 | Pole | 6 | 35 | Red Oak | | |
| Red Oak | | 1 | Pole/Sapling | 5 | | Black Cherry | | |
| Red Maple | | 4 | Sapling/Pole | 4 | | Red Maple | | |
| Red Pine | | 2 | Pole | 8 | | Balsam Fir | | |
| White Pine | | 15 | Pole/Log | 8 | | Black Spruce | | |
| Bigtooth Aspen | | 8 | Pole | 6 | | White Pine | | |
| Black Spruce | | 1 | Pole/Log | 8 | | Paper Birch | | |
| Quaking Aspen | | 4 | Pole/Sapling | 5 | | Tag Alder | | |
| | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | |
|----------------|-----------------------------|-----------------|-------|-----------|--------------------|--------------|---|--------------|------------|
| 47 | 4130 - Aspen | Poletimber Well | 42.1 | 36 | 81-110 | N/A | <p>This stand was clearcut in 1987 in the sale Pine-between-the-Aspen (Riker and Sons Forest Products, #53-024-87). Regeneration came back well for the most part, although there are several small non-forested areas in the south half lacking regeneration. The quaking aspen appears stunted, unhealthy, and in decline in some localized areas of the stand. These areas of decline seem to be more frequent in the southeast part of the stand. Bigtooth aspen is mostly along the southern end of the stand. Flat terrain. Mostly all upland except for some transitional wet areas along the western edge adjacent to the lowland cedar stand. Trace of log-size red pine, white pine, and red maple in the overstory. There is a small clump of mature pine west of the interior G type, resembling a retention pocket. Heavy browse on the red maple seedlings that are present. Average ba/acre from 12 plots = 91 square feet. It's likely this stand won't be ready for another 20 years due to the poor growth that quaking aspen is showing in parts of the stand.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| White Pine | 2 | Pole/Sapling | 5 | | Balsam Fir | Medium | | Variable | Sapling |
| Balsam Fir | 14 | Pole/Sapling | 5 | | Red Pine | Trace | | Variable | Sapling |
| Black Spruce | 1 | Pole/Sapling | 5 | | White Pine | Low | | Variable | Sapling |
| Red Maple | 3 | Sapling/Pole | 4 | | Black Cherry | Low | | Variable | Tall Shrub |
| Quaking Aspen | 60 | Pole/Sapling | 5 | 36 | Red Maple | Medium | | Variable | Sapling |
| Red Pine | 2 | Pole/Sapling | 5 | | | | | | |
| Bigtooth Aspen | 18 | Pole/Sapling | 6 | | | | | | |
| | | | | | | | | | |
| 48 | 429 - Mixed Upland Conifers | Poletimber Poor | 5.3 | 36 | 1-50 | N/A | <p>Mix of non-forested openings and clumps of trees. The west part of the stand has a lot of cherry and is more like a U type. The most densely stocked areas are in the middle and northern parts of the stand. A small clump of BAM is at the southwest corner. An old grade runs north/northwest, just west of the open road. Average ba/acre from 7 plots = 49 square feet.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| White Pine | 4 | Pole/Log | 8 | | Red Oak | Trace | | >20 feet | Sapling |
| Black Cherry | 6 | Pole | 7 | | Jack Pine | Low | | 10 - 20 feet | Sapling |
| Red Maple | 13 | Log/Pole | 12 | | Black Cherry | Low | | Variable | Tall Shrub |
| White Spruce | 2 | Log/Pole | 11 | | Balsam Fir | Medium | | Variable | Sapling |
| Red Pine | 13 | Log/Pole/XLog | 12 | | Red Pine | Trace | | Variable | Sapling |
| Red Oak | 2 | Pole/Log | 8 | | White Pine | Trace | | Variable | Sapling |
| Balsam Fir | 33 | Pole/Sap/Log | 7 | 36 | | | | | |
| Jack Pine | 22 | Pole/Sapling | 6 | | | | | | |
| Balsam Poplar | 5 | Pole/Sapling | 6 | | | | | | |
| 49 | 42110 - Planted Red Pine | Sawtimber Well | 9.3 | 91 | 81-110 | N/A | <p>Everything except pine was cut out of this stand in 1987 in the sale Pine-between-the-Aspen (Riker and Sons Forest Products, #53-024-87). High quality, large diameter red pine. It appears planted although no planting records exist as this area used to be under private ownership many years ago. BAs tend to be much higher in the west half of the stand. The east half adjacent to the road has some areas dominated by younger aspen with a lighter overstory of red pine. Average ba/acre from 8 plots = 109 square feet. Manage this stand next entry with stand 45 (A6) to the north. Prescribe a seed-tree or shelterwood harvest.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Quaking Aspen | 3 | Pole | 5 | | Quaking Aspen | Low | | >20 feet | Sapling |
| Balsam Fir | 9 | Pole | 6 | | Balsam Fir | Medium | | Variable | Sapling |
| Bigtooth Aspen | 10 | Pole | 6 | | Bigtooth Aspen | Medium | | >20 feet | Sapling |
| White Pine | 2 | Log/XLog | 14 | | Red Maple | Medium | | >20 feet | Sapling |
| Red Maple | 5 | Pole | 5 | | Black Cherry | Trace | | Variable | Tall Shrub |
| Red Pine | 71 | Log/XLog/Pole | 15 | 91 | White Pine | Trace | | Variable | Sapling |
| | | | | | | | | | |
| | | | | | | | | | |
| 50 | 4130 - Aspen | Poletimber Well | 6.6 | 35 | 141-170 | N/A | <p>This stand was clearcut in 1987 in the sale Pipeline Mix (Quality Chips Company, #53-033-85). Regeneration came back well to nearly pure aspen. A trace of red oak residual at the south end. Average ba/acre from 5 plots = 154 square feet. Should be ready for a harvest in 10 years. Cut together with stands 41, 46, and 52.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Red Oak | 1 | XLog/Log | 19 | | Black Cherry | Low | | Variable | Tall Shrub |
| White Pine | 2 | Pole | 7 | | White Pine | Low | | Variable | Sapling |
| Red Pine | 1 | Pole | 8 | | Jack Pine | Trace | | Variable | Sapling |
| Jack Pine | 2 | Pole | 6 | | Red Pine | Trace | | Variable | Sapling |
| Bigtooth Aspen | 94 | Pole/Sapling | 6 | 35 | Balsam Fir | Trace | | Variable | Sapling |
| | | | | | Red Maple | Low | | Variable | Sapling |
| | | | | | | | | | |
| | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|------------|--------------------|-------------|--------------|--|------------|----------|----------|---------|------------|-----|--------------|------|------------|---------|----------|---------------|---------------|-----|---------------|---------|--------------|-------|----------|----------------|-----------|--------------|----------|---------|---|---|--------------------|---------|-------------|----------------|--------------|----------|----------|------------|---|-----|--------------------|---------|-------------|--|------------|--------------------|----------|-------------|------------|--------------|----------|----------|------------|------------|----------|----------|-----------|-----------|----------|----------|---------|------------|-------|----------|---------|
| 51 | 4134 - Aspen, Spruce/Fir | Poletimber Well | 51.9 | 47 | 111-140 | N/A | Moderate quality aspen stand with a heavy component of fir. The quaking aspen component is still quite small in areas. A few areas of quaking aspen decline, closer to the G type. Trace of red pine (log/pole/Xlog), sugar maple (log), black cherry (pole), jack pine (pole), and black cherry (pole) in the overstory. Average ba/acre from 18 plots = 115 square feet. Stand slopes down gently to the north or west depending on where you're at in the stand. No wet areas in the stand. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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 Pine</td><td>1</td><td>XLog/Log</td><td>18</td><td></td></tr> <tr><td>Red Maple</td><td>11</td><td>Pole</td><td>6</td><td></td></tr> <tr><td>Red Oak</td><td>2</td><td>Pole/Log/XLog</td><td>9</td><td></td></tr> <tr><td>Quaking Aspen</td><td>40</td><td>Pole</td><td>7</td><td>47</td></tr> <tr><td>Balsam Fir</td><td>22</td><td>Pole/Sapling</td><td>5</td><td></td></tr> <tr><td>White Pine</td><td>4</td><td>Pole/Log</td><td>8</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>19</td><td>Pole/Log</td><td>8</td><td></td></tr> <tr><td>White Spruce</td><td>1</td><td>Pole</td><td>7</td><td></td></tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Red Pine | 1 | XLog/Log | 18 | | Red Maple | 11 | Pole | 6 | | Red Oak | 2 | Pole/Log/XLog | 9 | | Quaking Aspen | 40 | Pole | 7 | 47 | Balsam Fir | 22 | Pole/Sapling | 5 | | White Pine | 4 | Pole/Log | 8 | | Bigtooth Aspen | 19 | Pole/Log | 8 | | White Spruce | 1 | Pole | 7 | | <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>Black Cherry</td><td>Trace</td><td>Variable</td><td>Tall Shrub</td></tr> <tr><td>Balsam Fir</td><td>High</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Red Maple</td><td>Low</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Trace</td><td>Variable</td><td>Sapling</td></tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Black Cherry | Trace | Variable | Tall Shrub | Balsam Fir | High | Variable | Sapling | Red Maple | Low | >20 feet | Sapling | White Pine | Trace | Variable | Sapling |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 1 | XLog/Log | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 11 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 2 | Pole/Log/XLog | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 40 | Pole | 7 | 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 22 | Pole/Sapling | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 4 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 19 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Spruce | 1 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Trace | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | 42260 - Natural Pine, Mixed Deciduous | Poletimber Well | 5.7 | 35 | 51-80 | N/A | This stand was clearcut in 1987 in the sale Pipeline Mix (Quality Chips Company, #53-033-85). Regeneration came back moderately well to a mix of species, although there are some scattered areas of poor stocking. The quaking aspen is poor quality and small in many places. The south end of the stand is dominated by larger diameter white pine that was likely not cut during the original harvest. Red oak saplings are mostly near the pipeline. Average ba/acre from 5 plots = 74 square feet. Will likely be ready for a harvest in 10 years, cut together with stands 41, 46, and 50. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>White Pine</td><td>33</td><td>Log/Pole</td><td>11</td><td></td></tr> <tr><td>Jack Pine</td><td>29</td><td>Pole/Sapling</td><td>6</td><td>35</td></tr> <tr><td>Red Oak</td><td>1</td><td>XLog</td><td>19</td><td></td></tr> <tr><td>Quaking Aspen</td><td>35</td><td>Pole/Sapling</td><td>5</td><td>35</td></tr> <tr><td>Balsam Fir</td><td>2</td><td>Pole</td><td>7</td><td></td></tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | White Pine | 33 | Log/Pole | 11 | | Jack Pine | 29 | Pole/Sapling | 6 | 35 | Red Oak | 1 | XLog | 19 | | Quaking Aspen | 35 | Pole/Sapling | 5 | 35 | Balsam Fir | 2 | Pole | 7 | | <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>Black Cherry</td><td>High</td><td>Variable</td><td>Tall Shrub</td></tr> <tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Red Maple</td><td>Low</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Red Oak</td><td>Trace</td><td>>20 feet</td><td>Sapling</td></tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Black Cherry | High | Variable | Tall Shrub | White Pine | Low | Variable | Sapling | Red Maple | Low | Variable | Sapling | Red Oak | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 33 | Log/Pole | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 29 | Pole/Sapling | 6 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 1 | XLog | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 35 | Pole/Sapling | 5 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 2 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | High | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | 3105 - Mixed Upland Herbaceous | Nonstocked | 1.3 | | Unspecified | No | Not a maintained opening. Lots of bracken fern. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <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>Balsam Fir</td><td>Trace</td><td>Variable</td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Low</td><td>>20 feet</td><td>Pole</td></tr> <tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Quaking Aspen</td><td>Low</td><td>< 5 feet</td><td>Seeding</td></tr> <tr><td>Balsam Fir</td><td>Trace</td><td>>20 feet</td><td>Pole</td></tr> <tr><td>Jack Pine</td><td>Trace</td><td>Variable</td><td>Sapling</td></tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Balsam Fir | Trace | Variable | Sapling | White Pine | Low | >20 feet | Pole | White Pine | Low | Variable | Sapling | Quaking Aspen | Low | < 5 feet | Seeding | Balsam Fir | Trace | >20 feet | Pole | Jack Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | >20 feet | Pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | Low | < 5 feet | Seeding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Trace | >20 feet | Pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 6.9 | 53 | 111-140 | N/A | Two-aged, mixed species stand. Aspen diameters vary, there are some areas where diameters are closer to log-size. Some areas of lower stocking along the north edge that are filling in with red maple. Most of the large diameter pine is in a thin strip bordering the pipeline on the west edge. The red oak component is scattered throughout and tends to occur in clumps. Trace of log-size jack pine on the west edge. Average ba/acre from 6 plots = 122 square feet. High deer and elk use throughout the stand. -Heavy deer use throughout, with significant browse on RM understorey. -North edge becomes a little wetter with scattered cedar among RM poles. -Other species that were present but rare included cedar, red pine, jack pine, white spruce, and paper birch. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Quaking Aspen</td><td>24</td><td>Pole</td><td>7</td><td></td></tr> <tr><td>Red Maple</td><td>25</td><td>Pole</td><td>6</td><td>53</td></tr> <tr><td>Red Oak</td><td>18</td><td>XLog/Log</td><td>20</td><td>107</td></tr> <tr><td>Balsam Fir</td><td>20</td><td>Pole/Sapling</td><td>6</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>6</td><td>Pole</td><td>5</td><td></td></tr> <tr><td>Paper Birch</td><td>1</td><td>Pole</td><td>6</td><td></td></tr> <tr><td>Red Pine</td><td>2</td><td>Log/XLog</td><td>16</td><td></td></tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Quaking Aspen | 24 | Pole | 7 | | Red Maple | 25 | Pole | 6 | 53 | Red Oak | 18 | XLog/Log | 20 | 107 | Balsam Fir | 20 | Pole/Sapling | 6 | | Bigtooth Aspen | 6 | Pole | 5 | | Paper Birch | 1 | Pole | 6 | | Red Pine | 2 | Log/XLog | 16 | | <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>White Pine</td><td>Trace</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Beech</td><td>Trace</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Red Maple</td><td>Medium</td><td>>20 feet</td><td>Sapling</td></tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | White Pine | Trace | Variable | Sapling | Balsam Fir | Medium | Variable | Sapling | Beech | Trace | Variable | Sapling | Red Maple | Medium | >20 feet | Sapling | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 24 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 25 | Pole | 6 | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 18 | XLog/Log | 20 | 107 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 20 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 6 | Pole | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 1 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 2 | Log/XLog | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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

| 55 | 4319 - Mixed Upland Forest | Poletimber Well | 10.1 | 36 | 51-80 | N/A | <p>This stand was clearcut in 1987 in the sale Pipeline Mix (Quality Chip Company, #53-033-85). Regeneration came back well in most of the stand, except for some open areas at the east end of the stand. Somewhat of a strange mix with jack pine and red maple being the two most dominant species. All oak was left as residual, although there is a trace amount of younger red oak that regenerated following the harvest. Trace of paper birch poletimber. This stand needs a lot more time to grow before considering a harvest, likely 20 years.</p> | | | | |
|----------------|----------------------------|-----------------|--------------|-----|-------|--------------------|---|---------|-------------|---------|--|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Red Oak | | 8 | Log/XLog | 16 | 88 | White Pine | | Low | 5 - 10 feet | Sapling | |
| Balsam Fir | | 8 | Pole/Sapling | 6 | | Beech | | Trace | Variable | Sapling | |
| Red Pine | | 2 | Pole | 8 | | Balsam Fir | | Low | Variable | Sapling | |
| White Pine | | 10 | Pole/Sapling | 5 | | | | | | | |
| Quaking Aspen | | 4 | Pole/Sapling | 5 | | | | | | | |
| Jack Pine | | 38 | Pole/Sapling | 5 | 36 | | | | | | |
| Red Maple | | 22 | Sapling | 3 | | | | | | | |
| Bigtooth Aspen | | 8 | Pole/Sapling | 5 | | | | | | | |

| 56 | 4130 - Aspen | Sapling Medium | 14.4 | 5 | Immature | N/A | <p>This stand was cut in the summer of 2017 as part of Rangeline Aspen, #53-013-14-01, bought by Precision, cut by a roundwood crew. All oak and birch were left (majority of birch was already dead). A few scattered sugar maple, white pine, and beech were left. Quite a bit of hardwoods were cut out of this stand, aspen was not the dominant species rather red maple was. A large percentage of oak saplings and poletimber were present, particularly in the southern finger of the stand near the road. Some damage did occur but the producers did a pretty good job of protecting the majority of it during harvest operations. Aspen has regenerated well in terms of stems/acre, but it is being hammered by browse, particularly the west half of the stand further away from the road. Red maple stump sprouts have been hit hard by browse and all appear to be dead. Beech has sprouted back in areas but it too is being browsed. It's unclear how much of the aspen will survive. Check the regen again in 3 years and possibly prescribe interplanting (white pine, spruce?) if the regen falls below stocking guidelines. Hopefully some pine will seed in over the years.</p> | | | | |
|----------------|--------------|----------------|---------------|-----|----------|-----|---|--|--|--|--|
| Canopy Species | | % Cover | Size Class | DBH | Age | | | | | | |
| White Pine | | 2 | Log | 12 | | | | | | | |
| Red Oak | | 10 | Log/XLog/Pole | 15 | | | | | | | |
| White Pine | | 2 | Sapling | 1 | | | | | | | |
| Balsam Fir | | 4 | Sapling | 1 | | | | | | | |
| Quaking Aspen | | 15 | Sapling | 1 | | | | | | | |
| Bigtooth Aspen | | 62 | Sapling | 1 | 5 | | | | | | |
| Beech | | 5 | Sapling | 1 | | | | | | | |

| 57 | 4139 - Aspen, Mixed Deciduous | Poletimber Well | 10.0 | 53 | 81-110 | N/A | <p>Moderate quality aspen stand with a large component of red maple. Records indicate this stand was clearcut in 1969-70 but it must not have been a "clean" cut as there are scattered, older aspen and maple mixed in throughout. Several of the older aspen have a lot of rot and are good wildlife trees. Some areas of the stand are more of a hardwood mix with little to no aspen at all. There is a small amount of younger oak in the sapling/poletimber size classes scattered throughout the stand. There is one hemlock in the northern part of the stand surrounded by some maple and a few large diameter beech. Most beech appear to have BBD. Average ba/acre from 8 plots = 105 square feet. Trace of paper birch. Mostly flat terrain.</p> | | | | |
|----------------|-------------------------------|-----------------|---------------|-----|--------|--------------------|--|---------|-------------|---------|--|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Beech | | 3 | Pole/Log/XLog | 8 | | Beech | | Medium | 5 - 10 feet | Sapling | |
| Red Oak | | 3 | Log/XLog/Pole | 16 | | Red Oak | | Trace | >20 feet | Sapling | |
| Balsam Fir | | 1 | Pole | 6 | | White Pine | | Low | Variable | Sapling | |
| Red Maple | | 36 | Pole/Log | 8 | | Red Maple | | Low | >20 feet | Sapling | |
| Sugar Maple | | 6 | Pole/Log | 8 | | | | | | | |
| Red Pine | | 2 | Log | 12 | | | | | | | |
| Bigtooth Aspen | | 39 | Pole/Log | 8 | 53 | | | | | | |
| White Pine | | 4 | Pole/Log | 8 | | | | | | | |
| Quaking Aspen | | 6 | Pole/Log | 8 | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------------|-----------------|------------|------------|----------|--------------|--|------------|----|---------------|----|-----|------------|---|----------|----|--|-----------|----|---------------|----|-----|------------|----|---------------|---|--|--|----|--------------------|---------|-------------|----------------|--------------|---------|----------|------------|----------------|--------|--------------|---------|------------|---------------|----------|--------------|---------|-------|--|---------|--------------------|---------|-------------|---------|------------|-----|----------|---------|------------|-------|----------|---------|----------------|-------|----------|---------|-------|-----|----------|---------|-----------|------|----------|---------|
| 58 | 4131 - Aspen, Oak | Poletimber Well | 5.1 | 35 | 111-140 | N/A | <p>This stand was cut in 1987 in the sale Pipeline Mix (Quality Chips Company, #53-033-85). Everything was cut except for oak, red pine, and white pine (there also a handful of large diameter jack pine that were left). Regeneration came back primarily to aspen and red maple. A difficult stand to characterize because large areas of the stand are dominated by the residual oak and the aspen is not uniform throughout. A small amount of oak did regenerate after the last harvest. A lot of the oak are large diameter (20"+) and healthy, and better quality than the O7 stand to the west. Most of the pine is at the north and south ends. Trace of paper birch. Average ba/acre from 5 plots = 126 square feet. The stand sits on a gradual east/northeast facing slope. Potentially manage this stand in 10 years. Maintain large diameter oak and pine.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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 Oak</td><td>31</td><td>XLog/Log/Pole</td><td>18</td><td>100</td></tr> <tr><td>Balsam Fir</td><td>1</td><td>Pole</td><td>6</td><td></td></tr> <tr><td>Red Maple</td><td>12</td><td>Pole/Sapling</td><td>6</td><td></td></tr> <tr><td>White Pine</td><td>6</td><td>Pole/Log/XLog</td><td>8</td><td></td></tr> <tr><td>Red Pine</td><td>2</td><td>Log/XLog</td><td>14</td><td></td></tr> <tr><td>Jack Pine</td><td>2</td><td>Log</td><td>13</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>38</td><td>Pole/Sapling</td><td>7</td><td>35</td></tr> <tr><td>Quaking Aspen</td><td>8</td><td>Pole/Sapling</td><td>6</td><td></td></tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Oak | 31 | XLog/Log/Pole | 18 | 100 | Balsam Fir | 1 | Pole | 6 | | Red Maple | 12 | Pole/Sapling | 6 | | White Pine | 6 | Pole/Log/XLog | 8 | | Red Pine | 2 | Log/XLog | 14 | | Jack Pine | 2 | Log | 13 | | Bigtooth Aspen | 38 | Pole/Sapling | 7 | 35 | Quaking Aspen | 8 | Pole/Sapling | 6 | | <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>White Pine</td><td>Low</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Balsam Fir</td><td>Trace</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Red Oak</td><td>Trace</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>Beech</td><td>Low</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Red Maple</td><td>High</td><td>>20 feet</td><td>Sapling</td></tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | White Pine | Low | Variable | Sapling | Balsam Fir | Trace | Variable | Sapling | Red Oak | Trace | >20 feet | Sapling | Beech | Low | Variable | Sapling | Red Maple | High | >20 feet | Sapling |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 31 | XLog/Log/Pole | 18 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 1 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 12 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 6 | Pole/Log/XLog | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 2 | Log/XLog | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 2 | Log | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 38 | Pole/Sapling | 7 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 8 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | High | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | 4123 - Red Oak | Sawtimber Poor | 11.0 | 100 | 1-50 | N/A | <p>Low to moderate quality oak, but some large diameter trees. This stand had everything except oak, red pine, and white pine cut in 1987 in the sale Pipeline Mix (Quality Chips Company, #53-033-85). Regeneration has not come back well, with many areas of the understory barren and park-like. High deer and elk use in the stand which is likely impacting regeneration. Average ba/acre from 7 plots = 43 square feet. This stand sits on somewhat of an elevate knob in relation to the stands to the north, east, and south. No management due to the unlikelihood of successful oak regeneration. Hope that pine continues to fill in.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Jack Pine</td><td>4</td><td>Pole</td><td>6</td><td></td></tr> <tr><td>Red Pine</td><td>2</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Red Oak</td><td>86</td><td>Log/XLog/Pole</td><td>15</td><td>100</td></tr> <tr><td>White Pine</td><td>8</td><td>Pole</td><td>6</td><td></td></tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Jack Pine | 4 | Pole | 6 | | Red Pine | 2 | Log/Pole | 12 | | Red Oak | 86 | Log/XLog/Pole | 15 | 100 | White Pine | 8 | Pole | 6 | | <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>Black Cherry</td><td>Trace</td><td>Variable</td><td>Tall Shrub</td></tr> <tr><td>Red Maple</td><td>Medium</td><td>Variable</td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Red Oak</td><td>Trace</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>Jack Pine</td><td>Low</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>Beech</td><td>Low</td><td>< 5 feet</td><td>Seeding</td></tr> <tr><td>Red Pine</td><td>Trace</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Bigtooth Aspen</td><td>Trace</td><td>>20 feet</td><td>Sapling</td></tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Black Cherry | Trace | Variable | Tall Shrub | Red Maple | Medium | Variable | Sapling | White Pine | Low | Variable | Sapling | Red Oak | Trace | >20 feet | Sapling | Jack Pine | Low | >20 feet | Sapling | Beech | Low | < 5 feet | Seeding | Red Pine | Trace | Variable | Sapling | Bigtooth Aspen | Trace | >20 feet | Sapling | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 4 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 2 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 86 | Log/XLog/Pole | 15 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 8 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Trace | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Low | < 5 feet | Seeding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 4139 - Aspen, Mixed Deciduous | Sapling Well | 87.8 | 4 | Immature | N/A | <p>This stand was clearcut in the fall of 2017 in the sale Sightline Aspen, #53-006-15-01, bought by Precision. Roundwood job but they came back and chipped the tops in the spring of 2018. This stand was formerly 4 separate stands which all had clearcut prescriptions but the oak was cut out of some stands (to the north) while not in others. Regeneration has come back pretty well although browse impacts are noticeable. Browse intensity varies depending on where you are at in the stand, it seems to be highest in the northeast and southeast corners of the stand, as well as the western "finger" that juts down to the southwest. In these areas both the red maple and aspen are being hammered and may convert to non-forested stands. In the remainder of the stand, the aspen and red maple are being browsed, but not as severely. Unless the elk move back in here, I expect the regeneration in this stand will continue to be well-stocked with the exception of the previously mentioned areas. I did not see any red oak stump sprouts that will survive, in fact most already appear dead from browse. A good amount of red oak saps/poles were protected from damage, most are close to either side of the pipeline. A trace amount of residual paper birch were left in the southeast part of the stand, some have died but a good amount are still alive.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>White Pine</td><td>10</td><td>Pole/Sap/Log</td><td>5</td><td></td></tr> <tr><td>Beech</td><td>1</td><td>Sapling</td><td>1</td><td></td></tr> <tr><td>Red Oak</td><td>15</td><td>Log/XLog/Pole</td><td>15</td><td>98</td></tr> <tr><td>Red Maple</td><td>15</td><td>Sapling</td><td>1</td><td></td></tr> <tr><td>Quaking Aspen</td><td>32</td><td>Sapling</td><td>1</td><td>4</td></tr> <tr><td>Bigtooth Aspen</td><td>25</td><td>Sapling</td><td>1</td><td></td></tr> <tr><td>Red Pine</td><td>2</td><td>Log/Pole</td><td>14</td><td></td></tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | White Pine | 10 | Pole/Sap/Log | 5 | | Beech | 1 | Sapling | 1 | | Red Oak | 15 | Log/XLog/Pole | 15 | 98 | Red Maple | 15 | Sapling | 1 | | Quaking Aspen | 32 | Sapling | 1 | 4 | Bigtooth Aspen | 25 | Sapling | 1 | | Red Pine | 2 | Log/Pole | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 10 | Pole/Sap/Log | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 1 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 15 | Log/XLog/Pole | 15 | 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 15 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 32 | Sapling | 1 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 25 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 2 | Log/Pole | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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

| | | | | | | | |
|-----------|-------------------------------------|-----------------|------|----|--------|-----|---|
| 61 | 4199 - Other Mixed Upland Deciduous | Poletimber Well | 13.2 | 63 | 81-110 | N/A | Mixed species stand of varying quality. Red oak displays the best quality and growth. Records indicate this stand may have had a partial harvest in 1969-70, likely just removing the aspen and some of the maple. The aspen can be found mostly at the north and south ends. Oak is most common in the central part of the stand where there is a clump of large diameter, high quality trees. Most beech has BBD and there is a trace amount of XL-sized beech. A second age class of younger oak in the sapling/poletimber size classes is present and can be found mostly along the east side of the stand. Trace of red pine, balsam fir, and white spruce in the overstory. Average ba/acre from 8 plots = 99 square feet. This stand would be suitable for even-aged management if deer and elk browse weren't so high in this area. Hold for now and let the stand mature for several entries before making a management decision, hopefully browse pressure will decrease one day. |
|-----------|-------------------------------------|-----------------|------|----|--------|-----|---|

| Canopy Species | % Cover | Size Class | DBH | Age |
|----------------|---------|---------------|-----|-----|
| Beech | 6 | Pole/Log | 8 | |
| Bigtooth Aspen | 10 | Pole/Log | 8 | |
| Red Oak | 20 | Log/XLog/Pole | 17 | 92 |
| Red Maple | 40 | Pole/Log | 8 | 63 |
| Paper Birch | 1 | Pole/Log | 8 | |
| Quaking Aspen | 9 | Pole/Log | 8 | |
| White Pine | 2 | Pole/Log | 8 | |
| Sugar Maple | 12 | Pole/Log | 8 | |

| Sub-Canopy Species | Density | Avg. Height | Size |
|--------------------|---------|-------------|---------|
| Beech | Medium | 5 - 10 feet | Sapling |
| Red Oak | Trace | >20 feet | Sapling |
| White Pine | Low | Variable | Sapling |
| Red Maple | Low | >20 feet | Sapling |
| Balsam Fir | Trace | Variable | Sapling |

| | | | | | | | |
|-----------|----------------------------|-----------------|------|----|---------|-----|---|
| 62 | 4319 - Mixed Upland Forest | Poletimber Well | 62.0 | 62 | 111-140 | N/A | Diverse stand with multiple size and age classes present. Highly variable in composition with scattered pockets of W9 throughout. It looks like portions of this stand had a partial harvest in 1969-70, which likely just removed some of the aspen and red maple. The aspen that regenerated from that harvest tends to occur in small clumps along the edges and is not uniform throughout. Mature oak is most common at the far west end of the stand. There is a second age class of younger oak throughout the stand, although it is not common. The fir component is mostly at the far northeast end of the stand. Some scattered legacy size white pine throughout, as well as a couple red pine that are getting close to legacy size. Average ba/acre from 21 plots = 112 square feet. Terrain is mostly flat to gently rolling. Let the younger age classes continue to develop and then thin when the stand is mature, with a MO of mixed pine/hardwoods. |
|-----------|----------------------------|-----------------|------|----|---------|-----|---|

| Canopy Species | % Cover | Size Class | DBH | Age |
|----------------|---------|---------------|-----|-----|
| Bigtooth Aspen | 14 | Pole/Log/Sap | 7 | |
| White Pine | 36 | Log/Pole/XLog | 10 | 62 |
| Red Pine | 7 | Log/Pole/XLog | 14 | |
| Sugar Maple | 3 | Pole/Log | 8 | |
| Balsam Fir | 1 | Pole | 6 | |
| Beech | 2 | Pole | 7 | |
| Red Oak | 6 | Log/XLog/Pole | 15 | 95 |
| Red Maple | 25 | Pole/Log | 8 | 62 |
| Quaking Aspen | 4 | Pole/Log/Sap | 7 | |
| Paper Birch | 2 | Pole/Log | 9 | |

| Sub-Canopy Species | Density | Avg. Height | Size |
|--------------------|---------|--------------|---------|
| Red Maple | Low | >20 feet | Sapling |
| Beech | Medium | 10 - 20 feet | Sapling |
| Balsam Fir | Low | Variable | Sapling |
| White Pine | Medium | >20 feet | Sapling |
| Red Oak | Trace | >20 feet | Sapling |

| | | | | | | | |
|-----------|----------------------------|----------------|-----|-----|---------|-----|---|
| 63 | 42200 - Natural White Pine | Sawtimber Well | 1.8 | 125 | 171-200 | N/A | Small stand of nice natural pine and oak. Variable diameters on the pine. Several legacy white pine. Oak mostly in the east half of the stand. Average ba/acre from 2 plots = 175 square feet. Leave unmanaged. |
|-----------|----------------------------|----------------|-----|-----|---------|-----|---|

| Canopy Species | % Cover | Size Class | DBH | Age |
|----------------|---------|---------------|-----|-----|
| Red Pine | 16 | Log/Pole/XLog | 12 | |
| White Pine | 60 | Log/XLog/Pole | 15 | 125 |
| Bigtooth Aspen | 5 | Pole | 6 | |
| Red Oak | 14 | XLog/Log | 21 | |
| Red Maple | 5 | Pole | 6 | |

| Sub-Canopy Species | Density | Avg. Height | Size |
|--------------------|---------|-------------|---------|
| Beech | Low | Variable | Sapling |
| White Pine | Low | Variable | Sapling |
| Red Maple | Low | >20 feet | Sapling |

| | | | | | | | |
|-----------|---------------------------------------|----------------|-----|----|---------|-----|---|
| 64 | 42260 - Natural Pine, Mixed Deciduous | Sawtimber Well | 4.3 | 98 | 111-140 | N/A | Small pine stand that was excluded from the surrounding harvest, more oak in the finger that cuts north. Portions of the red pine appear planted but no sale records exist. There are also some larger XL-sized red pine mixed in throughout so maybe it is natural? Average ba/acre from 4 plots = 138 square feet. Do not manage. Leave for diversity and retention purposes. |
|-----------|---------------------------------------|----------------|-----|----|---------|-----|---|

| Canopy Species | % Cover | Size Class | DBH | Age |
|----------------|---------|---------------|-----|-----|
| Red Oak | 18 | Log/XLog | 16 | |
| White Pine | 7 | Log/Pole/XLog | 12 | |
| Red Pine | 54 | Log/Pole/XLog | 14 | 98 |
| Bigtooth Aspen | 10 | Pole | 8 | |
| Red Maple | 11 | Pole/Sapling | 6 | |

| Sub-Canopy Species | Density | Avg. Height | Size |
|--------------------|---------|-------------|---------|
| Beech | Medium | < 5 feet | Seeding |
| Beech | Low | 5 - 10 feet | Sapling |
| Red Maple | Medium | >20 feet | Sapling |
| White Pine | Trace | >20 feet | Sapling |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | |
|----------------|---|-----------------|-------|-----------|--------------------|--------------|--|--|-------------|
| 65 | 4119 - Mixed Northern Hardwoods | Poletimber Well | 21.0 | 54 | 81-110 | N/A | <p>Poor quality hardwood stand, with the exception of the oak. The only harvest records for this stand are from 1969, which must have been a partial harvest, as there is a second age class of larger oak, beech, and maple mixed in throughout. In the younger age class, there are a lot of small diameter red maple and beech throughout the stand. Most of the beech have BBD, with several already dead. Younger red oak is present throughout and there are some scattered clumps where oak is dominant. Bigtooth aspen is mostly at the far northern end. Average ba/acre from 10 plots = 96 square feet. Let the beech die out of this stand and manage for oak and pine in the future as these two species display the best growth on this site.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Beech | 21 | Pole/Sap/Log | 7 | | Beech | Full | | Variable | Sapling |
| Red Maple | 36 | Pole | 8 | 54 | White Pine | Trace | | >20 feet | Sapling |
| Red Oak | 21 | Pole/Log/XLog | 8 | | Red Oak | Trace | | >20 feet | Sapling |
| White Pine | 7 | Log/Pole | 11 | | Striped Maple | Trace | | Variable | Sapling |
| Basswood | 1 | Log/XLog | 15 | | Ironwood | Trace | | Variable | Sapling |
| Paper Birch | 1 | Pole | 8 | | | | | | |
| Red Pine | 2 | Pole | 8 | | | | | | |
| Sugar Maple | 9 | Pole/Log | 8 | | | | | | |
| Bigtooth Aspen | 2 | Pole/Log | 8 | | | | | | |
| 66 | 42111 - Planted Red Pine, Mixed Deciduous | Sawtimber Well | 9.1 | 91 | 111-140 | N/A | | <p>Large diameter red pine that was planted but does not resemble a plantation in most places. The far southern end of the stand, south of the powerline ROW, has the most dense stocking and does look like a traditional plantation in most places. However, as you move northeast in the stand the red pine becomes more widely scattered and not in rows, and other species become more abundant, particularly jack pine and aspen. A lot of the jack pine has died or is close to it. Advanced hardwood regeneration is present throughout the stand, including many areas with an excellent representation of sugar maple and oak. Trace of basswood (pole/log/xlog) and white ash (poletimber) in the overstory. Average ba/acre from 7 plots = 117 square feet. Flat terrain. Allow the hardwood regeneration to continue to develop naturally and let the remainder of the jack pine die out. Eventually this stand can be managed for hardwoods.</p> | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | | Avg. Height |
| Red Maple | 2 | Pole | 7 | | Red Oak | Low | >20 feet | | Sapling |
| Sugar Maple | 3 | Pole | 6 | | Beech | Medium | Variable | | Sapling |
| Ironwood | 3 | Pole | 5 | | Red Maple | Trace | >20 feet | | Sapling |
| Paper Birch | 1 | Pole | 6 | | White Ash | Trace | >20 feet | | Sapling |
| White Pine | 7 | Log/XLog/Pole | 15 | | Sugar Maple | High | >20 feet | | Sapling |
| Quaking Aspen | 10 | Log/Pole | 13 | | Basswood | Trace | >20 feet | | Sapling |
| Red Pine | 60 | XLog/Log | 18 | 91 | White Pine | Trace | Variable | | Sapling |
| Jack Pine | 10 | Log/Pole | 10 | | Ironwood | Medium | >20 feet | | Sapling |
| Red Oak | 2 | Pole | 7 | | Paper Birch | Trace | >20 feet | | Sapling |
| 67 | 42200 - Natural White Pine | Sawtimber Well | 5.7 | 92 | 81-110 | N/A | <p>Nice white pine stand with a variety of size classes present, including numerous legacy trees. Diameters tend to be smaller in the northern part of the stand but increase as you head south, eventually having XL-sized (18"+) trees as the dominant size class. This stand had a partial harvest in the 1980's and the gaps created from that harvest have filled in well with white pine. The aspen component is mostly at the far northern edge of the stand. Average ba/acre from 4 plots = 103 square feet. A part of this stand lies within the influence zone of the Little Pigeon River which reduces the amount of treatable area. Leave unmanaged for now.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | | Avg. Height |
| Red Pine | 20 | XLog/Log | 19 | 123 | Balsam Fir | Low | | Variable | Sapling |
| Bigtooth Aspen | 7 | Log/Pole | 11 | | Jack Pine | Trace | | Variable | Sapling |
| Red Maple | 1 | Log/Pole | 10 | | Red Maple | Medium | | Variable | Sapling |
| White Pine | 72 | Log/Pole/XLog | 15 | 92 | Red Pine | Low | | Variable | Sapling |
| | | | | | White Pine | High | | Variable | Sapling |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | |
|----------------|---|-----------------|-------|-----------|--------------------|--------------|--|--|--------------|---------|
| 68 | 4139 - Aspen, Mixed Deciduous | Poletimber Well | 31.8 | 56 | 111-140 | N/A | <p>Pretty nice aspen stand with a large component of hardwoods. Hardwoods are mostly small diameter and poor-quality, and tend to be found in small clumps, although there are individual stems as well. The oak component is large diameter and high-quality. A younger age class of oak is present as well, and can be found more frequently in the south half of the stand, near the road. Although rare, a second age class of older aspen is present, most have lots of rot and are good wildlife trees. Most beech have BBD. Pine can be found mostly along the western edge. Trace of white pine. One stump sprout clump of large diameter basswood was found in the southeast part of the stand, east of the road. 15 plots were taken within the stand with an average BA/acre of 119 square feet. Terrain is flat to gently rolling. Concern in harvesting this stand due to the heavy herbivory throughout this area. A similar stand adjacent to this one (stand 70) was clearcut recently with the regeneration coming back to predominantly beech.</p> | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size | |
| Ironwood | 1 | Pole | 5 | | Red Oak | Trace | | >20 feet | Sapling | |
| Sugar Maple | 5 | Pole | 7 | | Sugar Maple | Trace | | >20 feet | Sapling | |
| Quaking Aspen | 5 | Pole/Log | 8 | | White Pine | Trace | | Variable | Sapling | |
| Beech | 5 | Pole/Log | 8 | | Ironwood | Low | | >20 feet | Sapling | |
| Red Oak | 10 | XLog/Log/Pole | 18 | 98 | Red Maple | Low | | >20 feet | Sapling | |
| Paper Birch | 1 | Pole | 8 | | Beech | High | | Variable | Sapling | |
| Bigtooth Aspen | 49 | Pole/Log | 8 | 56 | | | | | | |
| Red Maple | 22 | Pole/Sap/Log | 8 | | | | | | | |
| Red Pine | 2 | Log/Pole | 14 | | | | | | | |
| 69 | 42200 - Natural White Pine | Sawtimber Poor | 2.6 | 48 | 1-50 | N/A | | <p>This is an old Tordon opening that was treated in 1975 and is now filling in with trees. The larger white pine are bushy and open grown. Average ba/acre from 4 plots = 40 square feet.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | | Avg. Height | Size |
| Red Oak | 12 | Log/XLog | 14 | | White Pine | Medium | Variable | | Sapling | |
| White Pine | 82 | Log/XLog/Pole | 14 | 48 | Black Cherry | Low | >20 feet | | Tall Shrub | |
| Ironwood | 1 | Pole | 7 | | Ironwood | Trace | Variable | | Sapling | |
| Jack Pine | 2 | Pole/Log | 8 | | Beech | Medium | Variable | | Sapling | |
| Red Pine | 3 | Log | 14 | | Red Oak | Trace | >20 feet | | Sapling | |
| 70 | 4112 - Maple, Beech, Cherry Association | Sapling Well | 25.4 | 25 | Immature | N/A | <p>Clearcut in 1998 by Georgia Pacific in the sale Year End Aspen Block (# 53-022-96-01). Everything was cut except for oak. Removed roughly 200 cords of red maple, 270 cords aspen, and 230 cords of mixed hardwood. Mixed hardwood contained paper birch, basswood, sugar maple, and beech. With the exception of beech, none of these hardwood species are represented in the regeneration except for a handful of red maple saplings and trace amounts of paper birch saplings. Beech, on the other hand, regenerated extremely well and is thick throughout the entire stand. Only a few pockets of aspen are present, mostly at the south end of the stand. I didn't notice any BBD on the beech yet, although it can't be too long before it appears in the stand. A good example of why clearcutting a hardwood stand is an ecologically bad decision in areas of high browse pressure. Complete loss of diversity and desirable species regeneration.</p> | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | | Avg. Height | Size |
| White Pine | 2 | Pole/Sapling | 7 | | Striped Maple | Low | | | 10 - 20 feet | Sapling |
| Red Maple | 4 | Sapling | 3 | | White Pine | Trace | | 5 - 10 feet | Sapling | |
| Beech | 80 | Sapling | 2 | 25 | | | | | | |
| Red Oak | 6 | Log/XLog | 17 | | | | | | | |
| Bigtooth Aspen | 8 | Sapling/Pole | 4 | | | | | | | |
| 71 | 4123 - Red Oak | Sawtimber Well | 10.1 | 92 | 81-110 | N/A | | <p>Oak dominated stand with a lot of large diameter trees. The oak is relatively good quality and appears healthy. It appears that this stand had a species removal at one time, as there is a younger age class of aspen and red maple in the west half. The east half of the stand has a nice understory of white pine. There are also several mature red maple in this half that must have been missed during the previous species removal. There is a little bit of mature pine at the south end of the stand. Average ba/acre from 5 plots = 90 square feet. Successful regeneration of the oak is unlikely due to current browse levels. Let the younger age class grow more before considering a harvest.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | | Avg. Height | Size |
| Red Oak | 61 | Log/XLog | 17 | 92 | Red Oak | Trace | | | >20 feet | Sapling |
| Red Maple | 20 | Pole/Log | 8 | | White Pine | Medium | Variable | | Sapling | |
| White Pine | 11 | Pole/Log | 8 | | Beech | Medium | 5 - 10 feet | | Sapling | |
| Bigtooth Aspen | 5 | Pole/Sapling | 5 | 53 | Bigtooth Aspen | Medium | >20 feet | | Sapling | |
| Red Pine | 3 | Pole | 8 | | Red Maple | Medium | >20 feet | | Sapling | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | |
|----------------|--------------------|---------------|-------|-----------|--------------------|--------------|--|-------------|------------|
| 72 | 4130 - Aspen | Sapling Well | 22.4 | 25 | 51-80 | N/A | Clearcut in 1998 by Georgia Pacific in the sale Year End Aspen Block (# 53-022-96-01). Everything was cut except for oak. Past inventory notes that there was heavy browse impacts and that is noticeable today in that the aspen is clumpy, with small scattered non-forested openings throughout. Browse is still an issue today as some of the open areas are trying to fill in maple, beech, and ironwood, but much of these stems, even including the ironwood, are being browsed and held below 5 feet tall. Red oak residual is high quality and more numerous near the northern edge of the stand. A 2nd age class of large sapling/small poletimber (4-8" DBH) oak is present but rare. Trace of red pine poletimber. | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Red Maple | 8 | Sapling | 3 | | Red Maple | Medium | | Variable | Sapling |
| Beech | 3 | Sapling | 2 | | Beech | Low | | Variable | Sapling |
| Bigtooth Aspen | 62 | Sapling/Pole | 4 | 25 | Red Maple | Medium | | < 5 feet | Seeding |
| Red Oak | 10 | Log/XLog/Pole | 17 | | White Pine | Trace | | Variable | Sapling |
| Ironwood | 5 | Sapling | 3 | | Ironwood | Medium | | < 5 feet | Seeding |
| White Pine | 2 | Pole/Sapling | 7 | | Ironwood | Medium | | Variable | Sapling |
| Quaking Aspen | 10 | Sapling/Pole | 4 | | Beech | Low | | < 5 feet | Seeding |
| | | | | | Black Cherry | Low | | Variable | Tall Shrub |
| | | | | | Red Oak | Trace | >20 feet | Sapling | |

| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | |
|--------------------------|-------------------------|--------------|------------|-------------|----------|--------------|--|--|
| 73 | 330 - Low-Density Trees | Nonstocked | 7.3 | Unspecified | | No | Clumps of trees throughout. It looks like this stand may have been cut in 1991 at the same time as adjacent stand 80 in Comp 30, but largely failed to regenerate. Pine most common in the north half of the stand (browse noted on young jack pine!). Clumps of aspen along the west side bordering the sand pit/scramble area. Some nice oak regen close to Ford Lake Road. Some of the cherry is actually decent quality. | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | |
| White Pine | Medium | Variable | Sapling | | | | | |
| White Pine | Low | >20 feet | Log | | | | | |
| Serviceberry (Juneberry) | Trace | Variable | Tall Shrub | | | | | |
| Red Oak | Low | Variable | Sapling | | | | | |
| White Pine | Low | >20 feet | Pole | | | | | |
| Hawthorn (spp.) | Trace | 5 - 10 feet | Tall Shrub | | | | | |
| Jack Pine | Trace | Variable | Sapling | | | | | |
| Jack Pine | Trace | >20 feet | Pole | | | | | |
| Quaking Aspen | Trace | >20 feet | Pole | | | | | |
| Black Cherry | High | Variable | Tall Shrub | | | | | |
| Red Pine | Trace | Variable | Sapling | | | | | |
| Mixed Grasses | High | Unspecified | Non-Wood | | | | | |
| Sweet Fern | High | < 5 feet | Tall Shrub | | | | | |
| Red Oak | Trace | >20 feet | Log | | | | | |
| Bracken Fern | High | Unspecified | Non-Wood | | | | | |
| Red Maple | Trace | Variable | Sapling | | | | | |
| Bigtooth Aspen | Trace | >20 feet | Log | | | | | |
| Red Maple | Trace | >20 feet | Pole | | | | | |
| Red Oak | Trace | >20 feet | Pole | | | | | |



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

| 74 | 42260 - Natural Pine, Mixed Deciduous | Sawtimber Poor | 7.4 | 98 | 1-50 | N/A | <p>This stand had a seed-tree cut in the fall of 2017 in the sale Sightline Aspen, #53-006-15-01, bought by Precision. Roundwood job but they came back and chipped the tops in the spring of 2018. Pockets of young red oak and paper birch were protected, more numerous by the pipeline. Average residual ba/acre = 22 square feet. Regeneration so far has come back to primarily aspen, beech, and red maple. Browse impacts on the quaking aspen aren't too bad however the red maple and bigtooth aspen is being hammered. Unsure how many of the red maple stump sprouts will survive. A few areas of red pine regen on old skid trails. Trace of sugar maple and red maple residual trees. Retention area at the west end is mostly red pine, jack pine, and aspen. The retention area in the middle is mostly red pine.</p> | | | | |
|----------------|---------------------------------------|----------------|---------------|-----|------|--------------------|---|---------|--------------|---------|--|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Red Oak | | 28 | Log/Pole/XLog | 14 | | Bigtooth Aspen | | Medium | 5 - 10 feet | Sapling | |
| Paper Birch | | 2 | Pole | 8 | | Beech | | Medium | 5 - 10 feet | Sapling | |
| Bigtooth Aspen | | 4 | Log | 14 | | Red Maple | | Medium | < 5 feet | Seeding | |
| White Pine | | 7 | Log/Pole/XLog | 14 | | Red Maple | | Trace | 5 - 10 feet | Sapling | |
| Red Pine | | 59 | Log/XLog | 15 | 98 | Quaking Aspen | | Low | 10 - 20 feet | Sapling | |
| | | | | | | Beech | | Medium | < 5 feet | Seeding | |
| | | | | | | Red Pine | | Low | < 5 feet | Seeding | |
| | | | | | | Red Oak | | Trace | >20 feet | Sapling | |

| 75 | 4199 - Other Mixed Upland Deciduous | Poletimber Well | 5.2 | 56 | 111-140 | N/A | <p>Mixed species stand with an excellent component of young hardwoods. Aspen is present in the stand but not uniform or dominant, most can be found at either the north or south ends of the stand. A small amount of residual oak in the log/XL-log size classes is present. Small amount of pine along the west edge. Average ba/acre from 7 plots = 119 square feet. Let this stand grow and manage for hardwoods.</p> | | | | |
|----------------|-------------------------------------|-----------------|--------------|-----|---------|--------------------|---|---------|-------------|---------|--|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Red Oak | | 10 | Pole/Sap/Log | 7 | | Ironwood | | Low | >20 feet | Sapling | |
| Paper Birch | | 7 | Pole | 6 | | Red Oak | | Low | >20 feet | Sapling | |
| Bigtooth Aspen | | 23 | Pole/Log | 9 | 56 | Red Maple | | High | >20 feet | Sapling | |
| Ironwood | | 2 | Pole | 5 | | Beech | | Low | Variable | Sapling | |
| Quaking Aspen | | 16 | Pole/Log | 8 | | Sugar Maple | | Medium | >20 feet | Sapling | |
| Red Pine | | 2 | Log/XLog | 15 | | | | | | | |
| Sugar Maple | | 17 | Pole/Sapling | 5 | | | | | | | |
| Red Maple | | 23 | Pole/Sapling | 6 | | | | | | | |

| | | | | | | | |
|-----------|--------------------------------|------------|------|--|-------------|----|-------------------|
| 76 | 3105 - Mixed Upland Herbaceous | Nonstocked | 19.9 | | Unspecified | No | Lakehead Pipeline |
|-----------|--------------------------------|------------|------|--|-------------|----|-------------------|

| 77 | 4110 - Sugar Maple Association | Sawtimber Well | 55.0 | 100 | 81-110 | N/A | <p>Stand thinned in 2008 in the sale "Lone Apple Tree Hardwoods", sale #53-004-07-01, bought and cut by Randy Nash. Thinned too heavily in many areas, BA's are quite low, especially along the east side adjacent to the road. Didn't clean up ironwood in canopy gaps. Most beech is dead from BBD. Heavy understory of beech is developing throughout the stand. 7 BA plots taken with an average of 83 sq. ft. per acre.</p> | | | | |
|----------------|--------------------------------|----------------|------------|-----|--------|--------------------|--|---------|-------------|---------|--|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Basswood | | 18 | Log/Pole | 12 | | Beech | | High | Variable | Sapling | |
| Beech | | 2 | Log | 13 | | Ironwood | | Low | Variable | Sapling | |
| Bigtooth Aspen | | 6 | XLog/Log | 19 | | | | | | | |
| Sugar Maple | | 71 | Log/Pole | 10 | 100 | | | | | | |
| Red Maple | | 2 | Log/Pole | 10 | | | | | | | |
| Red Oak | | 1 | Pole | 7 | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | |
|----------------|---------------------------------------|-----------------|-------|-----------|--------------------|--------------|---|--|-------------|
| 78 | 4111 - S.Maple, Hard Mast Association | Poletimber Well | 59.2 | 100 | 81-110 | N/A | Hardwood stand of varying quality and stocking. In general, quality is best south of Ford Lake Road and gets better as you approach the southern stand boundary. Red maple and oak are more common north of the road. Beech is present throughout, tending to occur in small clumps. Most have BBD and a good amount are already dead, although it looks like there may be a few resistant stems in the stand. Bigtooth aspen can be found both scattered individually and in small clumps. A few scattered areas in the south half of the stand that were openings long ago and have now filled in primarily with ironwood, beech, and a few red oak saps/poles (see 98 DOQ imagery and site conditions layer for locations). Other species that were present but rare include ironwood, white pine, and quaking aspen. Average ba/acre from 20 plots = 110 square feet. Rolling terrain with some steep slopes in the east/northeast part of the stand. | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Beech | 20 | Pole/Log/XLog | 9 | | Ironwood | Low | | Variable | Sapling |
| Red Oak | 4 | XLog/Log | 18 | | Red Oak | Trace | | >20 feet | Sapling |
| Paper Birch | 1 | Log/Pole | 12 | | Striped Maple | Trace | | >20 feet | Sapling |
| Sugar Maple | 45 | Pole/Log | 8 | 100 | Beech | High | | Variable | Sapling |
| Red Maple | 10 | Log/Pole | 10 | | | | | | |
| Basswood | 16 | Log/Pole/XLog | 13 | | | | | | |
| Bigtooth Aspen | 4 | Log/Pole/XLog | 14 | | | | | | |
| 79 | 4130 - Aspen | Poletimber Well | 9.1 | 35 | 81-110 | N/A | | This stand was clearcut in 1987 in the sale Pipeline Mix (Quality Chips Company, #53-033-85). Aspen is fully-stocked and pretty good quality. A small amount of red oak, mostly along the perimeter of the stand. Average ba/acre from 6 plots = 110 square feet. Needs at least 10 more years of growth before prescribing another harvest. | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | | Size |
| Red Pine | 2 | Pole | 6 | | Beech | Trace | Variable | | Sapling |
| Bigtooth Aspen | 52 | Pole/Sapling | 6 | 35 | Red Oak | Trace | >20 feet | | Sapling |
| Red Oak | 2 | Pole/Sapling | 5 | | Ironwood | Low | Variable | | Sapling |
| Red Maple | 13 | Pole/Sapling | 5 | | Black Cherry | Medium | Variable | | Tall Shrub |
| Quaking Aspen | 25 | Pole/Sapling | 6 | | White Pine | Low | Variable | | Sapling |
| White Pine | 6 | Pole/Sapling | 6 | | Red Maple | Medium | >20 feet | | Sapling |
| 80 | 42290 - Natural Mixed Pine | Sawtimber Well | 1.5 | 50 | 111-140 | N/A | Small pocket of pine sitting on a west-facing slope. No planting records were found but this appears planted. Red pine is mostly at the west end with the remainder of the stand dominated by white pine. A nice component of younger oak is scattered throughout. Trace of black cherry and paper birch poletimber. Average ba/acre from 3 plots = 130 square feet. | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | | Avg. Height |
| Red Oak | 7 | Pole/Log | 9 | | Ironwood | Low | | >20 feet | Sapling |
| White Pine | 55 | Log/Pole/XLog | 12 | 50 | Striped Maple | Trace | | >20 feet | Sapling |
| Red Pine | 25 | Log/Pole/XLog | 13 | | Red Oak | Trace | | >20 feet | Sapling |
| Red Maple | 5 | Pole | 7 | | Red Maple | Low | | >20 feet | Sapling |
| Beech | 2 | Pole | 8 | | Beech | High | | Variable | Sapling |
| Ironwood | 5 | Pole | 5 | | | | | | |
| Sugar Maple | 1 | Pole | 7 | | | | | | |
| 81 | 4199 - Other Mixed Upland Deciduous | Sawtimber Well | 19.2 | 104 | 81-110 | N/A | | Hardwood stand dominated by very high quality oak. Some of the oak are very large, approaching 30" in diameter. Last thinned in 2009 by the Jaroche Brothers in the sale Ford Lake Road Oak (#53-005-09-01). Other than oak, hardwood quality is lower in the northwest part of the stand but becomes better as you move south. Most of the beech and red maple is in the northwest part. All beech have BBD and most appear dead or close to it. Trace of bigtooth aspen, yellow birch, paper birch, and hemlock in the overstory. Average ba/acre from 9 plots = 100 square feet. Terrain slopes up as you move south. | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | | Size |
| Red Maple | 5 | Log/Pole | 11 | | Beech | High | Variable | | Sapling |
| Red Oak | 46 | XLog/Log | 20 | 104 | Ironwood | Low | Variable | | Sapling |
| Basswood | 7 | Log/XLog | 13 | | Striped Maple | Trace | 10 - 20 feet | | Sapling |
| Sugar Maple | 29 | Log/Pole | 10 | 104 | | | | | |
| Ironwood | 1 | Pole | 5 | | | | | | |
| Beech | 12 | Pole/Log | 9 | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------------------|----------------|---------|------------|----------|--------------|--|---|---------|--------------|----------|----|----------|-------|----------|---------------|----|-------------|-------------|--------------|---------------|----|----------|----------|--------------|---------------|----|--------------|--|--------------|--------------------|---------|----------------|------|----------|--------|----------|---|---------------|--------------------|----------|-------------|-----------|-------|--------------|----------|---------|---------------|---|--------------|---|--|---------|----|--------------|---|--|--|--|--|--|--|--|
| 82 | 4199 - Other Mixed Upland Deciduous | Sapling Well | 5.2 | 35 | 81-110 | N/A | This stand was clearcut in 1987 in the sale Pipeline Mix (Quality Chips Company, #53-033-85). Regeneration came back well, however ironwood is dominant. There is a decent component of oak and sugar maple. A trace amount of residual sugar maple and beech, mostly poletimber, is present. The north end is the only area without much regeneration. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Sugar Maple</td> <td>16</td> <td>Sapling/Pole</td> <td>3</td> <td></td> </tr> <tr> <td>Ironwood</td> <td>41</td> <td>Sapling</td> <td>3</td> <td>35</td> </tr> <tr> <td>Paper Birch</td> <td>1</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Beech</td> <td>6</td> <td>Sapling/Pole</td> <td>3</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>3</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>2</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>8</td> <td>Sapling/Pole</td> <td>3</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>3</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>15</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Sugar Maple | 16 | Sapling/Pole | 3 | | Ironwood | 41 | Sapling | 3 | 35 | Paper Birch | 1 | Sapling/Pole | 4 | | Beech | 6 | Sapling/Pole | 3 | | Black Cherry | 3 | Sapling/Pole | 4 | | White Pine | 5 | Pole/Log | 8 | | Bigtooth Aspen | 2 | Pole | 6 | | Red Maple | 8 | Sapling/Pole | 3 | | Quaking Aspen | 3 | Sapling/Pole | 4 | | Red Oak | 15 | Sapling/Pole | 4 | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 16 | Sapling/Pole | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | 41 | Sapling | 3 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 1 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 6 | Sapling/Pole | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | 3 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 5 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 2 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 8 | Sapling/Pole | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 3 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 15 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | 4199 - Other Mixed Upland Deciduous | Sawtimber Well | 91.6 | 93 | 81-110 | N/A | Thinned in 2011 in the sale "Camp Hardwoods" (NW Hardwoods, #53-004-10). Thinned very heavily with low BAs in many areas. High quality red oak in stand, good quality on other hardwoods as well. Red oak site index = 60. A few areas of old blowdown adjacent to Road 73. Beech most common at the north end of the stand, almost all of it is dead from BBD. Other species that were present but rare included paper birch, yellow birch, hemlock, bigtooth aspen, and ironwood. 15 points were taken with an average ba/acre of 83 sq. ft. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Sugar Maple</td> <td>39</td> <td>Pole/Log</td> <td>8</td> <td>93</td> </tr> <tr> <td>Beech</td> <td>5</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>4</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Basswood</td> <td>11</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>38</td> <td>Log/XLog</td> <td>17</td> <td>93</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>3</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Sugar Maple | 39 | Pole/Log | 8 | 93 | Beech | 5 | Log/Pole | 11 | | Red Maple | 4 | Pole/Log | 9 | | Basswood | 11 | Log/Pole | 12 | | Red Oak | 38 | Log/XLog | 17 | 93 | Bigtooth Aspen | 3 | Log | 14 | | <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>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Beech | Medium | Variable | Sapling | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 39 | Pole/Log | 8 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 5 | Log/Pole | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 4 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basswood | 11 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 38 | Log/XLog | 17 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 3 | Log | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | 4110 - Sugar Maple Association | Sawtimber Well | 97.5 | 96 | 111-140 | N/A | | Very nice hardwood stand with a lot of high quality sugar maple throughout, especially in the east 1/2 of the stand. Last thinned in 2002 in the sale Elk View Hardwoods (Weyerhaeuser, #53-001-00). Little to no coarse woody debris. Most beech have BBD and are close to dead, although there may be a few resistant trees mixed in. The beech understory increases as you move north and west in the stand. Other species that were present but rare included elm, yellow birch, paper birch, and bigtooth aspen. Average ba/acre from 20 plots = 125 square feet. Rolling terrain but no inoperable slopes. A wet drainage is present in a valley in the middle of the stand, leading down to the food plot (see site conditions layer). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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 Oak</td> <td>2</td> <td>XLog/Log</td> <td>22</td> <td></td> </tr> <tr> <td>Beech</td> <td>3</td> <td>Log/XLog/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>62</td> <td>Log/Pole/XLog</td> <td>11</td> <td>96</td> </tr> <tr> <td>Basswood</td> <td>33</td> <td>Log/XLog/Pole</td> <td>13</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | | Red Oak | 2 | XLog/Log | 22 | | Beech | 3 | Log/XLog/Pole | 14 | | Sugar Maple | 62 | Log/Pole/XLog | 11 | 96 | Basswood | 33 | Log/XLog/Pole | 13 | | <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>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Striped Maple</td> <td>Low</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Beech | Medium | Variable | Sapling | Striped Maple | Low | >20 feet | Sapling | Ironwood | High | Variable | Sapling | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 2 | XLog/Log | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 3 | Log/XLog/Pole | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 62 | Log/Pole/XLog | 11 | 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basswood | 33 | Log/XLog/Pole | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Striped Maple | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 4110 - Sugar Maple Association | Sawtimber Well | 25.7 | 96 | 111-140 | N/A | Nice hardwoods. A second age class of large, old sugar maple is present, most common in the north half of the stand. Diameters decrease in the south half of the stand. Very large red oak, a few greater than 30" DBH. Average ba/acre from 8 plots = 119 square feet. It doesn't look like this stand has been thinned in a long time. Leave this stand unmanaged as every other hardwood stand in this and the surrounding Compartments have been managed. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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 Oak</td> <td>6</td> <td>XLog/Log</td> <td>22</td> <td></td> </tr> <tr> <td>Beech</td> <td>2</td> <td>Log/XLog/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>69</td> <td>Log/Pole/XLog</td> <td>12</td> <td>96</td> </tr> <tr> <td>Basswood</td> <td>23</td> <td>Log/XLog/Pole</td> <td>14</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | | Red Oak | 6 | XLog/Log | 22 | | Beech | 2 | Log/XLog/Pole | 14 | | Sugar Maple | 69 | Log/Pole/XLog | 12 | 96 | Basswood | 23 | Log/XLog/Pole | 14 | | <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>Ironwood</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Ironwood | High | Variable | Sapling | Beech | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 6 | XLog/Log | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 2 | Log/XLog/Pole | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 69 | Log/Pole/XLog | 12 | 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basswood | 23 | Log/XLog/Pole | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | |
|----------------|--------------------------------|-----------------|-------|-----------|--------------------|-----------------|---|--------------|---------|
| 86 | 4110 - Sugar Maple Association | Sawtimber Well | 19.6 | 88 | 81-110 | N/A | Hardwood stand dominated by high quality sugar maple. BAs are variable as a result of a tornado salvage harvest in 1993 (Twisters Path Hardwood, #53-014-93, Matelski Lumber). Areas of low BA (<50 sq ft) alternate with dense pockets of higher BA that haven't been thinned in a while. Little to no species diversity in either the overstory or understory. Surprisingly, regeneration in the gaps from the harvest is almost predominantly ironwood, beech is mostly absent for some reason. Trace of red oak in the overstory. There is a 12" ironwood at the far east end of the stand. Average ba/acre from 9 plots = 107 square feet. The majority of the stand slopes down to the southwest. | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Basswood | 14 | Log/Pole | 12 | | White Ash | Trace | | >20 feet | Sapling |
| Sugar Maple | 83 | Log/Pole | 10 | 88 | Ironwood | High | | Variable | Sapling |
| Beech | 3 | Log/Pole | 12 | | Beech | Low | | Variable | Sapling |
| 87 | 2113 - Forage Crops | Nonstocked | 25.5 | | Unspecified | Managed Opening | Maintained food plot, popular elk viewing area. | | |
| 88 | 4110 - Sugar Maple Association | Sawtimber Well | 29.7 | 88 | 81-110 | N/A | Nice hardwood stand with quality increasing as you move northeast in the stand. Last thinned in 2008-09 in the sale Soaring Eagle Hardwoods (#53-016-07-01, Tulgetska). Heavy understory of undesirable species. Localized areas of heavy browse on ironwood and ash that are keeping them below 5 feet tall. Trace of elm (log), and paper birch (log). Average ba/acre from 10 plots = 108 square feet. Rolling terrain with some steep slopes closer to Sturgeon Valley Road. This stand should be ready for another thinning next entry. | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Beech | 4 | Log/Pole | 11 | | White Ash | Low | | 5 - 10 feet | Sapling |
| Ironwood | 2 | Pole | 5 | | White Ash | Medium | | < 5 feet | Seeding |
| Sugar Maple | 63 | Log/Pole | 10 | 88 | Ironwood | Medium | | Variable | Sapling |
| Basswood | 28 | Log | 13 | | Ironwood | Low | | < 5 feet | Seeding |
| Bigtooth Aspen | 2 | XLog | 22 | | Beech | High | | Variable | Sapling |
| Yellow Birch | 1 | Pole | 8 | | | | | | |
| 89 | 4110 - Sugar Maple Association | Poletimber Well | 32.6 | 97 | 111-140 | N/A | Northern hardwood stand with a lot high quality sugar maple stems, although diameters are still quite small. The only records of a past harvest in this stand is a TSI done in 1975. There is a small area in the center of stand that was salvaged following a windstorm in the mid 1990's, it has since filled in with mostly ironwood and a few paper birch and oak saplings. Other species that are present in the overstory but rare include yellow birch, white pine, black cherry, paper birch and elm. Average ba/acre from 11 plots = 132 square feet. Basal areas are lower in the narrow, southwestern part of the stand. Yellow birch is mostly in the west/northwest part of the stand. A second age class of younger oak is present in the stand, mostly along edges and areas that were previously more open. Some short, steep slopes adjacent to the road that borders the east and north edges. | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Beech | 2 | Pole/Log | 8 | | Ironwood | Medium | | 10 - 20 feet | Sapling |
| Bigtooth Aspen | 2 | Log/Pole | 11 | | White Pine | Trace | | Variable | Sapling |
| Sugar Maple | 67 | Pole/Log | 9 | 97 | Beech | Low | | Variable | Sapling |
| Red Oak | 4 | XLog/Log/Pole | 21 | | Paper Birch | Trace | | >20 feet | Sapling |
| Basswood | 25 | Log/Pole/XLog | 11 | | Red Oak | Trace | >20 feet | Sapling | |
| 90 | 4110 - Sugar Maple Association | Sawtimber Well | 106.3 | 91 | 81-110 | N/A | Thinned in 2011 in the sale "Camp Hardwoods" (NW Hardwoods, #53-004-10). Thinned heavily in areas. The area around Camp Vanderbilt at the south end was excluded from the harvest. Most beech dead from BBD. Other species that were present but rare included red pine, paper birch, hemlock, and bigtooth aspen. 20 BA plots taken with an average of 85 sq. ft. per acre (2013 BA data). Take new BA data in 2032. | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Red Maple | 4 | Pole/Log | 8 | | Beech | Medium | | Variable | Sapling |
| Basswood | 25 | Log | 13 | | Ironwood | Medium | | Variable | Sapling |
| Red Oak | 3 | Log/XLog | 15 | | | | | | |
| White Pine | 4 | Pole/Log | 9 | | | | | | |
| Sugar Maple | 58 | Log/Pole | 10 | 91 | | | | | |
| Ironwood | 4 | Pole/Sapling | 6 | | | | | | |
| Beech | 2 | Log/Pole | 10 | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | |
|----------------|---|-------------------|---------------|-----------|----------|--------------------------|--|--|-------------|-------------|------------|
| 91 | 42290 - Natural Mixed Pine | Sawtimber Medium | 10.3 | 66 | 51-80 | N/A | Pine dominated stand with multiple age classes present. Stocking varies considerably with areas of dense stocking alternating with poorly-stocked and non-forested open areas. Pine regeneration is filling in some of the open areas. Advanced red oak regeneration can be found throughout, more common in the west half of the stand. A few clumps of sugar maple regeneration can be found as well. A couple of the mature pine pockets appear planted. Not sure of the harvest history of the stand, it almost looks like it had a partial harvest long ago. Average ba/acre from 6 plots = 78 square feet. Consider managing when the younger age class matures but that will be many years down the line. | | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Red Pine | | 47 | Log/Pole/XLog | 13 | 66 | White Pine | | Medium | Variable | Sapling | |
| Jack Pine | | 6 | Log/Pole | 10 | | Paper Birch | | Trace | >20 feet | Sapling | |
| Ironwood | | 4 | Pole/Sapling | 5 | | Black Cherry | | Low | Variable | Tall Shrub | |
| Red Oak | | 7 | Log/Pole/XLog | 10 | | Beech | | Medium | Variable | Sapling | |
| Beech | | 1 | Pole | 5 | | Serviceberry (Juneberry) | | Trace | >20 feet | Tall Shrub | |
| Paper Birch | | 1 | Pole | 8 | | Ironwood | | Medium | Variable | Sapling | |
| White Pine | | 22 | Log/Pole/XLog | 13 | | Sugar Maple | | Low | >20 feet | Sapling | |
| Sugar Maple | | 12 | Log/Pole/XLog | 13 | | Red Oak | | Medium | >20 feet | Sapling | |
| | | | | | | Red Pine | | Low | Variable | Sapling | |
| 92 | 42260 - Natural Pine, Mixed Deciduous | Poletimber Medium | 9.5 | 51 | 51-80 | N/A | | Not sure of the harvest history of this stand but it looks like it may have had a partial harvest at one time, or possibly an old opening that is filling in? Either way, this stand is now a mix of non-forested openings and forested patches. A variety of size classes are present, including some very large diameter red and white pine. Most of the large white pine are open-grown and bushy, however some of the patches of younger white pine are much better quality. Hardwoods tend to be along the edges of the stand. There are a few areas with good sugar maple regeneration. Some of the larger jack pine have died or are close to it. The balsam poplar is in a small clump at the south end. Trace of pole-size elm and paper birch. Average ba/acre from 6 plots = 72 square feet. Continue to let young pine fill in and manage in the future when mature. | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | | Density | Avg. Height | Size |
| Jack Pine | | 28 | Pole/Log | 9 | | Red Oak | | | Trace | >20 feet | Sapling |
| Ironwood | | 9 | Pole | 6 | | Sugar Maple | | | Low | >20 feet | Sapling |
| Quaking Aspen | | 13 | Log/Pole | 10 | | Balsam Poplar | | | Trace | >20 feet | Sapling |
| Red Oak | | 2 | Pole/Log | 8 | | Beech | | | Medium | Variable | Sapling |
| Red Pine | | 11 | XLog/Log/Pole | 20 | 51 | Black Cherry | | | Medium | Variable | Tall Shrub |
| Sugar Maple | | 3 | Pole/Log | 8 | | Ironwood | | | Medium | Variable | Sapling |
| White Pine | | 30 | Pole/Log/XLog | 8 | 51 | Jack Pine | | | Trace | Variable | Sapling |
| Black Cherry | | 2 | Pole | 8 | | Red Pine | | | Trace | Variable | Sapling |
| Balsam Poplar | | 2 | Pole/Sapling | 5 | | White Pine | | | Medium | Variable | Sapling |
| 93 | 42201 - Natural White Pine, Mixed Deciduous | Sawtimber Well | 13.2 | 72 | 81-110 | N/A | White pine dominated stand of varying quality and sizes. The north half of the stand has lower stocking and the white pine is more open grown and weevil damaged. Some patches of thick autumn olive can be found in this northern area as well. The southern half of the stand has better quality pine and higher stocking. Legacy size white pine are present in the stand. Hardwoods can be found mostly along the east and west edges of the stand. A few of the maple are large diameter, open-grown trees. A couple of massive paper birch (18"+). Average ba/acre from 10 plots = 106 square feet. There are still a lot of small white pine poletimber stems in the stand. Look at a 2-aged shelterwood approach next entry or a thinning. There is a camping spot in the northernmost part of stand used frequently during hunting seasons. There is also a small memorial here too, with engraved stones and a small stick/rock monument. | | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | | Density | Avg. Height | Size |
| Basswood | | 1 | Log/XLog | 15 | | White Pine | | Medium | Variable | Sapling | |
| Red Oak | | 8 | XLog/Log/Pole | 20 | | Beech | | High | Variable | Sapling | |
| Sugar Maple | | 20 | Log/Pole/XLog | 11 | | Red Pine | | Trace | >20 feet | Sapling | |
| Ironwood | | 1 | Pole | 5 | | Red Oak | | Trace | >20 feet | Sapling | |
| Paper Birch | | 1 | Log/XLog | 14 | | Autumn Olive | | Low | 5 - 10 feet | Tall Shrub | |
| Beech | | 3 | Log/Pole | 11 | | Ironwood | | Low | Variable | Sapling | |
| White Pine | | 62 | Log/Pole/XLog | 12 | 72 | | | | | | |
| Red Pine | | 4 | Log/XLog/Pole | 14 | | | | | | | |



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

| | | | | | | | | |
|-----------------------|--------------------------------|----------------|-------------------|------------|------------|---------------------------|--|--|
| 94 | 4110 - Sugar Maple Association | Sawtimber Well | 23.7 | 95 | 81-110 | N/A | Moderate quality hardwood stand. Last thinned in 2009 in the sale Soaring Eagle Hardwoods (#53-016-07-01, Tulgetska). BAs tend to vary. Seasonally wet areas and vernal pools are common in the southeast 1/4 of the stand. There is also a seasonal stream with defined banks at the far southeastern end. Most of these wet areas were excluded from the recent thinning, except for some of the northern wet spots. Lots of rutting damage from the previous harvest, in the wet areas that weren't excluded. There is also rutting damage in other areas of the stand. Trace of beech, red oak, bigtooth aspen, balsam fir, and white spruce. Average ba/acre from 9 plots = 107 square feet. Rolling terrain with some steep slopes at the northern end adjacent to Sturgeon Valley Road. This stand should be ready for another thinning next entry. Protect all seasonally wet areas and vernal pools. Consider a winter only harvest to limit additional rutting damage. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | |
| Paper Birch | | 1 | Pole | 7 | | Ironwood | | |
| Yellow Birch | | 1 | Log/Pole | 12 | | White Ash | | |
| Ironwood | | 1 | Pole | 5 | | Beech | | |
| Basswood | | 40 | Log/Pole | 14 | | | | |
| Sugar Maple | | 57 | Log/Pole | 11 | 95 | | | |

| | | | | | | | | |
|---------------------------|--------------------------------|----------------|--------------------|-------------|-------------|----|---|--|
| 95 | 3105 - Mixed Upland Herbaceous | Nonstocked | 6.3 | | Unspecified | No | According to the PRC 1932 Historic Map, this is the site of the Yuill Brothers Logging Camp #2. Pits and mounds can be found at the southern end of the stand. One of the pits still has a wooden beam in it. It appears that there is some good herbaceous diversity in the stand as goldenrod, beebalm (bergamot), and milkweed was noted in decent amounts in the stand. | |
| Sub-Canopy Species | | Density | Avg. Height | Size | | | | |
| Black Cherry | | Trace | Variable | Tall Shrub | | | | |
| Goldenrod spp. | | Medium | Unspecified | Non-Wood | | | | |
| Ironwood | | Trace | < 5 feet | Seeding | | | | |
| Wild Bergamot | | Low | Unspecified | Non-Wood | | | | |
| Mixed Grasses | | Full | Unspecified | Non-Wood | | | | |
| White Ash | | Trace | < 5 feet | Seeding | | | | |
| Spotted Knapweed | | Low | Unspecified | Non-Wood | | | | |
| Little Bluestem | | Low | Unspecified | Non-Wood | | | | |
| Sugar Maple | | Low | >20 feet | Log | | | | |
| Wild Red Raspberry | | Low | < 5 feet | Tall Shrub | | | | |

| | | | | | | | | |
|-----------------------|----------------------------|----------------|-------------------|------------|------------|-----|---|--|
| 96 | 42290 - Natural Mixed Pine | Sapling Poor | 2.9 | 27 | Immature | N/A | Old opening that is filling in with pine. Age is an estimate from the average of several red pine whorl counts. The narrow middle part of the stand is mostly ironwood. The remainder is mostly pine. Trace of white spruce poletimber. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | |
| Ironwood | | 15 | Sapling/Pole | 3 | | | | |
| Red Oak | | 2 | Pole/Sapling | 5 | | | | |
| Sugar Maple | | 2 | Log/XLog | 16 | | | | |
| Jack Pine | | 5 | Pole/Sapling | 5 | | | | |
| Red Pine | | 29 | Sapling/Pole | 3 | | | | |
| White Pine | | 45 | Sapling/Pole | 4 | 27 | | | |
| Beech | | 2 | Sapling/Pole | 3 | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | |
|----------------|-------------------------------------|-----------------|---------------|-----------|-------------|--------------------------|---|--|-------------|-------------|---------|
| 97 | 4133 - Aspen, Mixed Pine | Sawtimber Well | 4.2 | 82 | 81-110 | N/A | Older, moderate quality aspen stand. Jack pine used to be a larger component in the middle parts of the stand, but a lot of it has died. In these places the hardwood understory is more advanced, mostly undesirable beech and ironwood, although there are some scattered sugar maple and red oak stems. The middle part of the stand also has some pin cherry (4-5" DBH) which is a rare species in this part of the PRC (more common in the northern PRC). A couple of the serviceberry are pretty large (3"+ DBH). Small pocket of sugar maple in the southeast corner. Trace of paper birch (pole/sap) and basswood (sap). Average ba/acre from 5 plots = 92 square feet. | | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Red Pine | | 19 | Log/XLog/Pole | 15 | 82 | Serviceberry (Juneberry) | | Trace | >20 feet | Tall Shrub | |
| Jack Pine | | 10 | Log/Pole | 10 | | Sugar Maple | | Low | >20 feet | Sapling | |
| Red Oak | | 1 | Pole | 6 | | Pin Cherry | | Trace | >20 feet | Pole | |
| Black Cherry | | 2 | Pole | 6 | | Beech | | High | Variable | Sapling | |
| White Pine | | 4 | Pole/Log/XLog | 8 | | Red Oak | | Trace | >20 feet | Sapling | |
| Beech | | 1 | Pole | 5 | | Black Cherry | | Low | Variable | Tall Shrub | |
| Sugar Maple | | 3 | Log/Pole | 11 | | White Pine | | Low | Variable | Sapling | |
| Ironwood | | 5 | Pole | 5 | | Ironwood | | Medium | Variable | Sapling | |
| Quaking Aspen | | 55 | Log/Pole | 12 | 82 | | | | | | |
| 98 | 122 - Road/Parking Lot | Nonstocked | 7.5 | | Unspecified | No | | Sturgeon Valley Road | | | |
| 99 | 4199 - Other Mixed Upland Deciduous | Poletimber Well | 6.7 | 48 | 81-110 | N/A | | Nice stand of young hardwoods that was clearcut by DNR staff in 1975 at the same time as adjacent stand 100. White ash used to be the dominant species in the stand but EAB has killed most. However, it appears that there are still some ash that are hanging on. Very nice component of difficult to regenerate species such as oak, paper birch, and yellow birch. If this was a non-commercial harvest, then perhaps the large amount of coarse woody debris kept the deer and elk out. Trace of elm and basswood (sap/pole). Average ba/acre from 8 plots = 86 square feet. Difficult stand to get through in places due to all of the ash blowdown. Multiple drainages pass through the stand, originating from stand 100 (see leaf-off imagery). No management, let this stand continue to grow. | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | | Density | Avg. Height | Size |
| Sugar Maple | | 30 | Pole/Sapling | 5 | 48 | Ironwood | | | Medium | >20 feet | Sapling |
| Yellow Birch | | 3 | Pole/Sapling | 5 | | Beech | | | Low | Variable | Sapling |
| Bigtooth Aspen | | 23 | Log | 12 | | White Ash | | | Medium | >20 feet | Sapling |
| Beech | | 1 | Pole | 7 | | Red Maple | | | Trace | Variable | Sapling |
| Paper Birch | | 2 | Pole | 6 | | Sugar Maple | | | Medium | >20 feet | Sapling |
| Ironwood | | 9 | Pole/Sapling | 5 | | | | | | | |
| Red Oak | | 17 | Pole/Log | 8 | | | | | | | |
| White Ash | | 6 | Pole/Sapling | 7 | | | | | | | |
| Red Maple | | 6 | Pole/Sapling | 6 | | | | | | | |
| Quaking Aspen | | 3 | Log/Pole | 11 | | | | | | | |
| 100 | 4130 - Aspen | Sawtimber Well | 7.0 | 48 | 111-140 | N/A | Nice stand of aspen that was clearcut by DNR staff in 1975. Pit and mound topography with multiple vernal pools and drainages scattered throughout (see leaf-off imagery). The bigtooth aspen in particular is very high quality. There used to be a lot more ash in the stand (saplings/poletimber) but most of it is now dead. Trace of basswood, paper birch, yellow birch, and elm in the understory (saplings). Average ba/acre from 6 plots = 112 square feet. No management due to the various water influences throughout the stand. | | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Red Oak | | 1 | Pole | 7 | | Sugar Maple | | Low | >20 feet | Sapling | |
| Red Maple | | 4 | Pole | 6 | | White Ash | | Medium | >20 feet | Sapling | |
| Bigtooth Aspen | | 32 | Log/Pole | 12 | | Red Maple | | Low | >20 feet | Sapling | |
| White Ash | | 2 | Pole | 5 | | Beech | | Low | Variable | Sapling | |
| Quaking Aspen | | 58 | Log/Pole | 10 | 48 | Ironwood | | Low | Variable | Sapling | |
| Sugar Maple | | 3 | Pole/Sapling | 5 | | | | | | | |
| 101 | 3105 - Mixed Upland Herbaceous | Nonstocked | 4.7 | | Unspecified | No | Powerline ROW | | | | |
| 102 | 110 - Low Intensity Urban | Nonstocked | 2.8 | | Unspecified | No | Camp Vanderbilt | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|--|----------------|------------|-------------|----------|--------------|---|--------------------|---------------|-------------|------|-------------|-------|----------|---------|--------------------|----------|-------------|---------------|--------------|------|-------------|----------|-----------|-------|----------|-------------|--------------|----------|-------------|----------|----------|-------|----------|---------|----------|-----------|----------|----------|-------|-------|----------------|---------|------------|-----|--------------|---------------|---|-----|----|--|---|--------------------|---------|-------------|------|-----------|-----|----------|---------|---------|-------|----------|---------|-------------|--------|----------|---------|-------|------|----------|---------|------------|-----|----------|---------|----------|--------|----------|---------|--|
| 103 | 42260 - Natural Pine, Mixed Deciduous | Sawtimber Well | 12.9 | 88 | 141-170 | N/A | Mixed species stand but dominated by red pine. The red pine is planted, but not uniform throughout, and occurs in small patches or strips, specifically along the west stand edge, northeast corner and southeast corner. The remainder of the stand is a mix of hardwoods with scattered red and white pine. The red pine is high quality and large diameter. White pine is most numerous east of Pickerel Lake Road and is large diameter as well, with some legacy trees here and there. There are a few nice clumps of advanced sugar maple regeneration, most are directly adjacent to the road. Trace of basswood. Average ba/acre from 11 plots = 148 square feet. This stand has a high visual influence due to nearby houses and roads. Manage for uneven-aged structure, species diversity, and big trees. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <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>White Pine</td><td>19</td><td>Log/XLog/Pole</td><td>14</td><td></td></tr> <tr><td>Red Oak</td><td>6</td><td>Log/XLog</td><td>17</td><td></td></tr> <tr><td>Red Pine</td><td>51</td><td>Log/XLog/Pole</td><td>15</td><td>88</td></tr> <tr><td>Paper Birch</td><td>1</td><td>Log/Pole</td><td>11</td><td></td></tr> <tr><td>Sugar Maple</td><td>9</td><td>Log/Pole</td><td>11</td><td></td></tr> <tr><td>Beech</td><td>2</td><td>Log/Pole</td><td>11</td><td></td></tr> <tr><td>Red Maple</td><td>6</td><td>Pole/Log</td><td>8</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>3</td><td>Log</td><td>13</td><td></td></tr> <tr><td>Quaking Aspen</td><td>3</td><td>Log</td><td>13</td><td></td></tr> </tbody> </table> | Canopy Species | % Cover | Size Class | DBH | Age | White Pine | 19 | Log/XLog/Pole | 14 | | Red Oak | 6 | Log/XLog | 17 | | Red Pine | 51 | Log/XLog/Pole | 15 | 88 | Paper Birch | 1 | Log/Pole | 11 | | Sugar Maple | 9 | Log/Pole | 11 | | Beech | 2 | Log/Pole | 11 | | Red Maple | 6 | Pole/Log | 8 | | Bigtooth Aspen | 3 | Log | 13 | | Quaking Aspen | 3 | Log | 13 | | <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>Low</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>Red Oak</td><td>Trace</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>Sugar Maple</td><td>Medium</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>Beech</td><td>High</td><td>Variable</td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Low</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>Ironwood</td><td>Medium</td><td>Variable</td><td>Sapling</td></tr> </tbody> </table> | Sub-Canopy Species | Density | Avg. Height | Size | Red Maple | Low | >20 feet | Sapling | Red Oak | Trace | >20 feet | Sapling | Sugar Maple | Medium | >20 feet | Sapling | Beech | High | Variable | Sapling | White Pine | Low | >20 feet | Sapling | Ironwood | Medium | Variable | Sapling | Two driveways cross this stand via Pickerel Lake Road at the north end. They are likely in trespass. |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 19 | Log/XLog/Pole | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 6 | Log/XLog | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 51 | Log/XLog/Pole | 15 | 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 1 | Log/Pole | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 9 | Log/Pole | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 2 | Log/Pole | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 6 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 3 | Log | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 3 | Log | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 104 | 3105 - Mixed Upland Herbaceous | Nonstocked | 1.0 | Unspecified | No | | Lots of bracken. Possibly an old landing that never regenerated? This has not been managed by Wildlife Division. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | <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>Sugar Maple</td><td>Trace</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>Wild Red Raspberry</td><td>Medium</td><td>< 5 feet</td><td>Tall Shrub</td></tr> <tr><td>Bracken Fern</td><td>High</td><td>Unspecified</td><td>Non-Wood</td></tr> <tr><td>Red Maple</td><td>Trace</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>White Ash</td><td>Trace</td><td>< 5 feet</td><td>Seeding</td></tr> <tr><td>Ironwood</td><td>Trace</td><td>< 5 feet</td><td>Seeding</td></tr> <tr><td>Red Pine</td><td>Low</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Beech</td><td>Trace</td><td>< 5 feet</td><td>Seeding</td></tr> <tr><td>White Pine</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> </tbody> </table> | Sub-Canopy Species | Density | Avg. Height | Size | Sugar Maple | Trace | >20 feet | Sapling | Wild Red Raspberry | Medium | < 5 feet | Tall Shrub | Bracken Fern | High | Unspecified | Non-Wood | Red Maple | Trace | >20 feet | Sapling | White Ash | Trace | < 5 feet | Seeding | Ironwood | Trace | < 5 feet | Seeding | Red Pine | Low | Variable | Sapling | Beech | Trace | < 5 feet | Seeding | White Pine | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wild Red Raspberry | Medium | < 5 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bracken Fern | High | Unspecified | Non-Wood | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Ash | Trace | < 5 feet | Seeding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | Trace | < 5 feet | Seeding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Trace | < 5 feet | Seeding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 105 | 6239 - Mixed Emergent Wetland | Nonstocked | 0.9 | Unspecified | No | | Wetland pocket. Mostly sedge and cattails, although there are some red maple growing in the north half. There used to be a couple of elm but they all appear to be dead. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | <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>Low</td><td>>20 feet</td><td>Log</td></tr> <tr><td>Michigan Holly</td><td>Trace</td><td>5 - 10 feet</td><td>Tall Shrub</td></tr> <tr><td>Sedges</td><td>High</td><td>Unspecified</td><td>Non-Wood</td></tr> <tr><td>Red Maple</td><td>Low</td><td>>20 feet</td><td>Pole</td></tr> <tr><td>Cattail spp.</td><td>Medium</td><td>Unspecified</td><td>Non-Wood</td></tr> </tbody> </table> | Sub-Canopy Species | Density | Avg. Height | Size | Red Maple | Low | >20 feet | Log | Michigan Holly | Trace | 5 - 10 feet | Tall Shrub | Sedges | High | Unspecified | Non-Wood | Red Maple | Low | >20 feet | Pole | Cattail spp. | Medium | Unspecified | Non-Wood | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | >20 feet | Log | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Michigan Holly | Trace | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sedges | High | Unspecified | Non-Wood | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | >20 feet | Pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cattail spp. | Medium | Unspecified | Non-Wood | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | |
|----------------|---------------------------------|-----------------|-------|-----------|--------------------------|--------------|---|--|-------------|---------|
| 106 | 4119 - Mixed Northern Hardwoods | Sapling Poor | 48.4 | 27 | Immature | N/A | <p>This stand was harvested in 2010 in the sale Gooseberry RPP (Biewer, #53-018-08-01). It was a red pine overstory removal with just a few scattered clumps of red pine left. A previous timber sale was conducted in the mid 1990's which is the origination of most of the advanced regeneration of hardwoods. Since the harvest in 2010 the primary species to regenerate has been black cherry with small amounts of red pine, beech, and ironwood. This is an ugly stand overall, resembling a U type in many areas due to the large amount of cherry and low stocking of other species. It's difficult to tell if the cherry will become merchantable or remain shrub quality. The soils are pretty good in this area which may allow the cherry to grow better than usual. Other than the cherry though, there isn't much successful regeneration in the stand. Deer and elk browse is very heavy throughout, even noticeable on small beech and ironwood. A few clumps of decent hardwood advanced regeneration is present in the northeast corner of the stand but that's about it. Most of the larger beech have BBD. A few small clones of aspen are present along the northeast edge, next to the pipeline. Collect BA data next entry to get a more accurate representation of the canopy percentages, ocular estimates are hard for young stands such as this. Also, evaluate the cherry as to whether or not it should be considered a part of the canopy or just as a shrub.</p> | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size | |
| Red Oak | 3 | Pole/Sapling | 5 | | Wild Red Raspberry | Medium | | < 5 feet | Tall Shrub | |
| Quaking Aspen | 4 | Sapling/Pole | 4 | | Black Cherry | High | | 5 - 10 feet | Tall Shrub | |
| Black Cherry | 30 | Sapling | 3 | 27 | Ironwood | Low | | < 5 feet | Seeding | |
| Ironwood | 15 | Sapling | 3 | | Beech | Low | | < 5 feet | Seeding | |
| White Pine | 1 | Sapling | 3 | | | | | | | |
| Sugar Maple | 4 | Sapling/Pole | 4 | | | | | | | |
| Red Pine | 11 | Sapling | 2 | | | | | | | |
| Beech | 25 | Sapling/Pole | 3 | | | | | | | |
| Red Maple | 7 | Pole/Sapling | 5 | | | | | | | |
| 107 | 4130 - Aspen | Sapling Well | 7.9 | 25 | 111-140 | N/A | | <p>Young aspen stand that is approaching merchantability. Excellent understory of sugar maple throughout most of the stand, with some of it recruiting into the overstory. Scattered, large diameter red pine throughout. Trace of basswood (pole), red pine (sapling), white pine (sapling), and pin cherry (3-4" trees). Average ba/acre from 5 plots = 140 square feet.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | | Avg. Height | Size |
| Ironwood | 5 | Sapling | 3 | | Red Oak | Trace | >20 feet | | Sapling | |
| White Ash | 1 | Sapling | 3 | | Serviceberry (Juneberry) | Low | >20 feet | | Tall Shrub | |
| Sugar Maple | 15 | Sapling | 2 | | White Ash | Trace | >20 feet | | Sapling | |
| Beech | 2 | Sapling | 2 | | Black Cherry | Trace | >20 feet | | Tall Shrub | |
| Bigtooth Aspen | 20 | Pole/Sapling | 5 | | Beech | Low | Variable | | Sapling | |
| White Pine | 1 | XLog | 19 | | Ironwood | Low | Variable | | Sapling | |
| Quaking Aspen | 49 | Sapling/Pole | 4 | 25 | Sugar Maple | High | >20 feet | | Sapling | |
| Red Pine | 7 | XLog/Log | 20 | | Red Maple | Trace | >20 feet | | Sapling | |
| 108 | 4119 - Mixed Northern Hardwoods | Poletimber Well | 19.4 | 77 | 81-110 | N/A | <p>Moderate quality, species diverse hardwood stand. The middle of this stand is on a slight north-south running ridge with gradual slopes going down to the east and west. The beech component is mostly low quality and is most common in the west/southwest part of the stand, with a few pockets where it is dominant. The majority of the beech have BBD and are close to death, however there appear to be several resistant stems, two were found in the south end of the stand and there may be more throughout. The aspen component is mostly in the northwest part of the stand. Pine occurs both individually and in small clumps throughout, the largest clump being in the middle of the stand. Although rare, there is a nice component of younger red oak recruiting into the overstory, most seem to be near the middle of the stand. Trace of paper birch. Average ba/acre from 13 plots = 109 square feet. Let the beech component die out and possibly thin next entry if BAs are high enough.</p> | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | | Avg. Height | Size |
| Basswood | 5 | Log/XLog | 15 | | White Pine | Low | | | Variable | Sapling |
| Red Oak | 5 | Log/XLog/Pole | 14 | | Ironwood | Medium | | Variable | Sapling | |
| Beech | 13 | Pole/Log | 8 | | Red Oak | Trace | | >20 feet | Sapling | |
| White Pine | 7 | Log/Pole/XLog | 13 | 77 | Beech | Medium | | 5 - 10 feet | Sapling | |
| Bigtooth Aspen | 6 | Pole/Log | 9 | | | | | | | |
| Sugar Maple | 46 | Pole/Log | 9 | 77 | | | | | | |
| Red Maple | 9 | Pole/Log | 8 | | | | | | | |
| Red Pine | 8 | Log/XLog | 15 | | | | | | | |
| Ironwood | 1 | Pole | 5 | | | | | | | |



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

| | | | | | | | | | |
|-----------------------|--------------|----------------|-------------------|------------|------------|---------------------------|---|--------------------|-------------|
| 109 | 4130 - Aspen | Sawtimber Well | 53.1 | 47 | 141-170 | N/A | <p>Nice aspen stand growing on hardwood quality soils. The bigtooth aspen in particular is very high quality. Clearcut in 1976 by Shaw Trucking. Regeneration came back to nearly pure aspen although a nice understory of sugar maple and other hardwoods have filled in over time. The sugar maple understory is present in the majority of the stand, but is absent in a few areas. Several small nonforested openings are scattered throughout that did not regenerate following the harvest, presumably due to browse. Most of these openings are filled with raspberry and/or black cherry. Numerous vernal pools can be found in the stand and they tend to run in a north/south line (see leaf-off imagery), with some connecting to the interior wetland pocket (stand #105). The elm component, which appears healthy, is mostly concentrated around these wet areas, although a 15" tree was found along the southwest side, nowhere close to a wet area. Some of the larger white ash appear to still be alive despite some signs of EAB infection. Trace of white pine (log/pole), red pine (log/pole), balsam poplar (log/pole), paper birch (pole/sap), and red oak (pole). Average ba/acre from 20 plots = 144 square feet. Rolling terrain. Successful regeneration of this stand is doubtful due to the high deer and elk browse in this area. Wait ten years and cut with stand 124, 123, and potentially 107 (if large enough) in order to create a larger harvest area with the hope of reducing browse impacts.</p> | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
| Sugar Maple | | 4 | Pole | 5 | | Beech | Low | Variable | Sapling |
| Quaking Aspen | | 33 | Pole/Log | 9 | | Black Cherry | Low | Variable | Tall Shrub |
| White Ash | | 2 | Pole | 6 | | Red Maple | Low | >20 feet | Sapling |
| Red Maple | | 2 | Pole/Log | 8 | | American Elm | Trace | >20 feet | Sapling |
| American Elm | | 1 | Pole | 7 | | White Ash | Medium | >20 feet | Sapling |
| Bigtooth Aspen | | 54 | Log/Pole | 10 | 47 | Sugar Maple | High | >20 feet | Sapling |
| Ironwood | | 4 | Pole | 5 | | Ironwood | Medium | >20 feet | Sapling |

| | | | | | | | | | |
|-----------------------|---------------------------------------|----------------|-------------------|------------|------------|---------------------------|--|--------------------|-------------|
| 110 | 42260 - Natural Pine, Mixed Deciduous | Sawtimber Well | 4.7 | 98 | 141-170 | N/A | <p>Thin strip of large diameter, natural white pine. The south half of the stand is dominated by XL-sized white pine with numerous legacy trees and has ground that appears to be seasonally wet with pit and mound topography, and is where most of the cedar is located. There are a few areas in the middle of the stand where red maple is dominant. The north half of the stand has drier ground, with the exception of a large wetland pothole, and has a mix of white pine diameters. The wetland is mostly non-forested with a component of holly. Trace of spruce and jack pine in the stand. Average ba/acre from 3 plots = 157 square feet.</p> | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
| Red Maple | | 21 | Log/Pole | 11 | | Tag Alder | Trace | 10 - 20 feet | Tall Shrub |
| Quaking Aspen | | 12 | Log | 13 | | Balsam Fir | Medium | Variable | Sapling |
| Balsam Fir | | 1 | Pole | 7 | | Red Maple | Medium | >20 feet | Sapling |
| Red Pine | | 7 | Log/XLog | 17 | | White Pine | Medium | Variable | Sapling |
| Northern White Cedar | | 3 | Pole/Log | 8 | | Michigan Holly | Low | 5 - 10 feet | Tall Shrub |
| White Pine | | 56 | Log/XLog/Pole | 16 | 98 | | | | |

| | | | | | | | | | |
|-----------------------|-----------------------|----------------|-------------------|------------|------------|---------------------------|---|--------------------|-------------|
| 111 | 4114 - Beech, Hemlock | Sapling Medium | 5.4 | 15 | Immature | N/A | <p>This stand was clearcut in 2007 in the sale Valley Combo (Tulgestka, #53-005-01). Regeneration has come back almost exclusively to beech. The southern end of the stand has a little bit of pine regeneration as well as a few larger pine stems. A small amount of residual red oak is scattered throughout. There are also a few red oak saplings and poletimber in the south part of the stand that were protected during the harvest. This stand was formerly coded as a birch stand, no birch regeneration at all. The lack of any other deciduous species regeneration in the stand points to heavy deer and elk browse. What to do with this stand? It has no merchantable future other than portions of the southern end with pine regeneration.</p> | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
| Red Oak | | 8 | Log/Pole/Sap | 15 | | Black Cherry | Trace | Variable | Tall Shrub |
| White Pine | | 8 | Sapling/Pole/Log | 3 | | Witch Hazel | Trace | 5 - 10 feet | Tall Shrub |
| Bigtooth Aspen | | 3 | Sapling | 3 | | | | | |
| Striped Maple | | 4 | Sapling | 2 | | | | | |
| Red Pine | | 7 | Sapling | 3 | | | | | |
| Beech | | 70 | Sapling | 2 | 15 | | | | |



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

| | | | | | | | |
|------------|--------------|-----------------|-----|----|---------|-----|--|
| 112 | 4130 - Aspen | Poletimber Well | 7.6 | 43 | 141-170 | N/A | |
|------------|--------------|-----------------|-----|----|---------|-----|--|

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------|---------|------------|-----|-----|-----------------------|---------|-------------|------------|
| Red Oak | 4 | Pole/Log | 8 | | Red Maple | Low | >20 feet | Sapling |
| Bigtooth Aspen | 63 | Pole | 8 | 43 | Ironwood | Trace | Variable | Sapling |
| Red Pine | 2 | Log | 14 | | Beech | Medium | Variable | Sapling |
| White Pine | 3 | Pole | 7 | | Sugar Maple | Low | >20 feet | Sapling |
| Red Maple | 17 | Pole | 7 | | White Pine | Trace | Variable | Sapling |
| Sugar Maple | 5 | Pole | 7 | | Maple Leaved Viburnum | Low | < 5 feet | Tall Shrub |
| Beech | 6 | Pole | 7 | | | | | |

Nice aspen stand although diameters tend to vary significantly. In general, aspen diameters in the south half of the stand are much smaller, averaging closer to 6-7" DBH, while the north half is closer to 8-10" DBH. Prominent hardwood influence throughout with some patches of pure hardwoods along the northeast and southeast edges of the stand. Nice component of younger red oak scattered throughout. Trace of log-size red maple and beech. Most beech have BBD. Trace of paper birch poletimber. Average ba/acre from 9 plots = 143 square feet. Previous harvest was a manual clearcut done by DNR staff in 1980. Rolling terrain. This stand could be harvested now but would benefit from another 10 years of growth. Exclude hardwood areas along the east edge.

| | | | | | | | |
|------------|---|------------------|-----|----|--------|-----|--|
| 113 | 42111 - Planted Red Pine, Mixed Deciduous | Sawtimber Medium | 9.1 | 92 | 81-110 | N/A | |
|------------|---|------------------|-----|----|--------|-----|--|

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------|---------|--------------|-----|-----|--------------------|---------|-------------|------------|
| White Pine | 2 | XLog/Log | 19 | | Red Maple | Trace | >20 feet | Sapling |
| Red Oak | 4 | Pole/Sapling | 5 | | Sugar Maple | Trace | >20 feet | Sapling |
| Ironwood | 4 | Pole/Sapling | 5 | | Red Oak | Trace | >20 feet | Sapling |
| Red Pine | 76 | XLog/Log | 20 | 92 | Beech | Medium | Variable | Sapling |
| Quaking Aspen | 12 | Pole/Sapling | 5 | | Black Cherry | Low | >20 feet | Tall Shrub |
| Red Maple | 2 | Pole/Sapling | 5 | | Quaking Aspen | Medium | >20 feet | Sapling |
| | | | | | Ironwood | High | Variable | Sapling |

Two-aged stand of large diameter red pine with a well developed understory from a previous harvest in the mid 1990's. Variable BAs. Quite a few of the red pine have deformed stems that looks like was caused by porcupines long ago. The young aspen component is most common in the narrow, middle part of the stand where the red pine overstory is much lighter. The far east side of the stand has some pockets of nice hardwood regeneration, including a decent amount of oak. Trace of elm (pole) and paper birch (sap). Average ba/acre from 6 plots = 93 square feet. Records show that the red pine was planted but the stand does not resemble a plantation at all.

| | | | | | | | |
|------------|----------------------------|-------------------|-----|----|-------|-----|--|
| 114 | 42290 - Natural Mixed Pine | Poletimber Medium | 2.5 | 62 | 51-80 | N/A | |
|------------|----------------------------|-------------------|-----|----|-------|-----|--|

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------|---------|------------|-----|-----|--------------------|---------|-------------|------------|
| Jack Pine | 53 | Pole/Log | 8 | 62 | Jack Pine | Low | Variable | Sapling |
| Balsam Fir | 2 | Pole | 5 | | Balsam Fir | Low | Variable | Sapling |
| White Pine | 26 | Pole/Log | 8 | | White Pine | Medium | Variable | Sapling |
| Red Maple | 3 | Pole/Log | 8 | | Red Oak | Trace | >20 feet | Sapling |
| Red Pine | 10 | Pole/Log | 8 | | Paper Birch | Trace | >20 feet | Sapling |
| Black Spruce | 5 | Pole | 6 | | Beech | Trace | Variable | Sapling |
| Red Oak | 1 | XLog | 23 | | Red Maple | Trace | >20 feet | Sapling |
| | | | | | Black Cherry | Low | Variable | Tall Shrub |

Small mixed pine stand with variable stocking. Some scattered areas of poor overstory stocking with regen filling in some of them. A few strips of planted red pine on the north side of the road. Some of the jack pine has died and fallen over. Trace of XL-sized red and white pine. The spruce/fir component is mostly along the southern edge. Average ba/acre from 5 plots = 60 square feet.



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

| 115 | 4119 - Mixed Northern Hardwoods | Sawtimber Well | 83.0 | 91 | 81-110 | N/A | Moderate quality hardwood stand. Thinned very heavily in 1985 in the sale Twins Hardwood (Hetheron Farm and Forest Products, #53-005-85). BAs have still not recovered to a level close to needing a thinning again. Large, open grown trees common in some spots. Other species that are present but rare include yellow birch, elm, red pine, and white pine. WA, IW, and beech dominate regeneration but there are a couple pockets of nice SM advanced regen. Rolling terrain in the south half. 18 BA points taken with an average of 82 sq. ft. per acre (2013 BA data). Take new BA data in 2032. | | | | |
|----------------|---------------------------------|----------------|--------------|-----|--------|--------------------|--|---------|-------------|---------|--|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Red Maple | | 2 | Pole/Log | 8 | | White Ash | | Medium | Variable | Sapling | |
| Red Oak | | 4 | Log/Pole | 10 | | Beech | | Low | Variable | Sapling | |
| Paper Birch | | 3 | Pole | 6 | | Ironwood | | Medium | Variable | Sapling | |
| Sugar Maple | | 53 | Log/Pole | 10 | 91 | | | | | | |
| Bigtooth Aspen | | 7 | Log/XLog | 15 | | | | | | | |
| Quaking Aspen | | 2 | Pole/Log | 9 | | | | | | | |
| Ironwood | | 4 | Pole/Sapling | 5 | | | | | | | |
| Basswood | | 23 | Log | 13 | | | | | | | |
| Beech | | 2 | Log/Pole | 11 | | | | | | | |

| 116 | 4133 - Aspen, Mixed Pine | Sapling Well | 20.1 | 25 | 1-50 | N/A | Young aspen stand with a second age class of residual red pine scattered throughout. This stand could almost be split into two separate stands based on site quality and understory composition. The north half of the stand has better site quality and is where most of the maple/beech/ironwood understory is located. The south half declines in site quality with less hardwoods in the understory and more pine. Trace of residual red oak (log/xlog) and white pine (log/xlog). Rolling terrain. | | | | |
|----------------|--------------------------|--------------|--------------|-----|------|--------------------------|---|---------|--------------|------------|--|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| American Elm | | 1 | Pole/Sapling | 5 | | Red Pine | | Trace | 10 - 20 feet | Sapling | |
| Ironwood | | 5 | Sapling | 3 | | Black Cherry | | Low | Variable | Tall Shrub | |
| Jack Pine | | 2 | Pole/Sapling | 5 | | Beech | | Low | Variable | Sapling | |
| Red Oak | | 1 | Sapling | 4 | | Serviceberry (Juneberry) | | Low | Variable | Tall Shrub | |
| White Pine | | 1 | Sapling/Pole | 4 | | Ironwood | | Medium | >20 feet | Sapling | |
| Red Pine | | 23 | XLog/Log | 20 | 90 | White Pine | | Low | 5 - 10 feet | Sapling | |
| Bigtooth Aspen | | 18 | Sapling/Pole | 4 | | | | | | | |
| Quaking Aspen | | 42 | Sapling/Pole | 3 | 25 | | | | | | |
| Red Maple | | 1 | Sapling | 4 | | | | | | | |
| Beech | | 3 | Sapling | 2 | | | | | | | |
| Sugar Maple | | 3 | Sapling/Pole | 3 | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | |
|--------------------|----------------------------|-------------------|------------|-----------|-------------|-----------------|---|--------------------|---------|--------------|------------|-----|
| 117 | 3205 - Mixed Upland Shrub | Nonstocked | 3.5 | | Unspecified | No | This was formerly a forested stand that was clearcut in 1987 in the sale Lakehead Aspen South (#53-032-85), but browse has killed most tree species regeneration. | | | | | |
| | | | | | | | | Sub-Canopy Species | Density | Avg. Height | Size | |
| | | | | | | | | Sugar Maple | Trace | >20 feet | Log | |
| | | | | | | | | Quaking Aspen | Low | >20 feet | Pole | |
| | | | | | | | | Balsam Poplar | Trace | < 5 feet | Seeding | |
| | | | | | | | | Mixed Grasses | Full | Unspecified | Non-Wood | |
| | | | | | | | | White Pine | Trace | >20 feet | Log | |
| | | | | | | | | Ironwood | Trace | < 5 feet | Seeding | |
| | | | | | | | | White Pine | Low | Variable | Sapling | |
| | | | | | | | | Black Cherry | Low | Variable | Tall Shrub | |
| | | | | | | | | Red Pine | Trace | >20 feet | Log | |
| | | | | | | | | Beech | Trace | < 5 feet | Seeding | |
| | | | | | | | | Red Pine | Trace | Variable | Sapling | |
| | | | | | | | | Bracken Fern | High | Unspecified | Non-Wood | |
| | | | | | | | | Wild Red Raspberry | Medium | < 5 feet | Tall Shrub | |
| Bigtooth Aspen | Trace | >20 feet | Pole | | | | | | | | | |
| 118 | 2113 - Forage Crops | Nonstocked | 3.4 | | Unspecified | Managed Opening | Managed opening. Can't tell with the snow if this is planted or mowed. | | | | | |
| | | | | | | | | Sub-Canopy Species | Density | Avg. Height | Size | |
| | | | | | | | | Black Cherry | Trace | >20 feet | Tall Shrub | |
| Red Pine | Trace | >20 feet | Log | | | | | | | | | |
| 119 | 2113 - Forage Crops | Nonstocked | 9.4 | | Unspecified | Managed Opening | Managed food plot, except for the far north end. A single clump of mature aspen and pine (<1 acre) in the middle of the stand. Clearcut by a DNR crew in 1978 with the intention of converting it into an opening. | | | | | |
| | | | | | | | | Sub-Canopy Species | Density | Avg. Height | Size | |
| | | | | | | | | Quaking Aspen | Trace | >20 feet | Pole | |
| | | | | | | | | Red Pine | Trace | >20 feet | Log | |
| | | | | | | | | Quaking Aspen | Low | >20 feet | Log | |
| Jack Pine | Low | >20 feet | Pole | | | | | | | | | |
| 120 | 42290 - Natural Mixed Pine | Poletimber Medium | 1.3 | 24 | 51-80 | N/A | This stand was clearcut at the same time as adjacent stand 116 but did not regenerate to aspen. The south half is predominantly pine regeneration. The north half has more of a deciduous species mix. A small amount of 20"+ residual red pine is present in the stand. Most of the stand sits on a southwest-facing slope. Average ba/acre from 3 plots = 67 square feet. | | | | | |
| | | | | | | | | Canopy Species | % Cover | Size Class | DBH | Age |
| | | | | | | | | Ironwood | 5 | Sapling | 3 | |
| | | | | | | | | Quaking Aspen | 15 | Sapling/Pole | 4 | |
| | | | | | | | | Red Pine | 15 | Sapling/Pole | 3 | |
| | | | | | | | | White Pine | 10 | Sapling/Pole | 3 | |
| | | | | | | | | Jack Pine | 49 | Pole/Sapling | 6 | 24 |
| Beech | 1 | Sapling | 2 | | | | | | | | | |
| Bigtooth Aspen | 5 | Pole/Sapling | 5 | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | |
| Black Cherry | Low | Variable | Tall Shrub | | | | | | | | | |



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

| 121 | 42290 - Natural Mixed Pine | Poletimber Poor | 2.4 | 24 | 1-50 | N/A | This stand was clearcut at the same time as adjacent stand 116 but did not regenerate well. It has mainly filled in with open-grown, bushy pine. A clump of aspen is present at the northwest corner of the stand and along the edge of the pipeline. One 6" paper birch is in the northeast part of the stand. Average ba/acre from 5 plots = 54 square feet. | | | | |
|----------------|----------------------------|-----------------|------------------|-----|------|--------------------|--|---------|-------------|------------|--|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Red Oak | | 1 | Pole | 6 | | Black Cherry | | Low | Variable | Tall Shrub | |
| Red Pine | | 14 | Pole/Sap/Log | 6 | | | | | | | |
| Bigtooth Aspen | | 20 | Pole/Log | 8 | | | | | | | |
| White Pine | | 49 | Sapling/Pole/Log | 4 | 24 | | | | | | |
| Jack Pine | | 16 | Pole/Sapling | 5 | | | | | | | |

| 122 | 4319 - Mixed Upland Forest | Sapling Well | 84.1 | 27 | 1-50 | N/A | The majority of this regeneration originated following a partial harvest in the mid 1990's. A large amount of the red pine overstory was then removed in 2005, with the exception of scattered red pine leave trees. The residual red pine equals about 10 square feet (higher in some areas) and averages around 15" DBH. There is also a light residual of log-size white pine and red oak as well. MiFI won't let me enter these into the canopy data without changing the stand size class. Regeneration of pine, specifically red pine, is quite impressive and can be found in most parts of the stand. Red maple regen is most prevalent in the southwest part of the stand. Aspen regen is limited to a few small clones in the northeast part. Beech and ironwood increase as you move west and north. Trace of sugar maple, red oak, and paper birch saplings and poletimber. Rolling terrain. Collect BA data next entry to get a more accurate representation of the canopy percentages, ocular estimates are hard for young, diverse stands such as this. | | | | |
|----------------|----------------------------|--------------|--------------|-----|------|--------------------------|--|---------|-------------|------------|--|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Ironwood | | 4 | Sapling | 3 | | White Pine | | Low | 5 - 10 feet | Sapling | |
| Red Maple | | 16 | Sapling | 3 | | Serviceberry (Juneberry) | | Trace | Variable | Tall Shrub | |
| Bigtooth Aspen | | 6 | Sapling/Pole | 4 | | Beech | | Low | 5 - 10 feet | Sapling | |
| Red Oak | | 4 | Log/XLog | 15 | | Ironwood | | Low | 5 - 10 feet | Sapling | |
| Quaking Aspen | | 2 | Sapling/Pole | 3 | | Black Cherry | | Low | Variable | Tall Shrub | |
| White Pine | | 20 | Sapling/Pole | 3 | | | | | | | |
| Jack Pine | | 6 | Sapling | 3 | | | | | | | |
| Red Pine | | 33 | Sapling/Pole | 3 | 27 | | | | | | |
| Beech | | 9 | Sapling | 3 | | | | | | | |

| 123 | 4130 - Aspen | Poletimber Well | 6.7 | 25 | 51-80 | N/A | Well-stocked aspen stand that is just approaching merchantability, although diameters tend to vary significantly throughout the stand. Site quality becomes better as you move north with more of a hardwood influence in the understory. Trace of balsam fir and red oak (XL-log) in the overstory. Average ba/acre from 7 plots = 74 square feet. A few seasonally wet areas in the north half of the stand. | | | | |
|----------------|--------------|-----------------|---------------|-----|-------|--------------------------|--|---------|-------------|------------|--|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| American Elm | | 1 | Pole | 6 | | Black Cherry | | Medium | Variable | Tall Shrub | |
| Quaking Aspen | | 39 | Sapling/Pole | 4 | | Ironwood | | Medium | Variable | Sapling | |
| White Pine | | 7 | Log/Pole/XLog | 13 | | Beech | | Low | Variable | Sapling | |
| Ironwood | | 2 | Sapling | 3 | | American Elm | | Trace | Variable | Sapling | |
| Bigtooth Aspen | | 44 | Pole/Sapling | 6 | 25 | White Pine | | Trace | Variable | Sapling | |
| Red Pine | | 2 | Log/XLog/Pole | 16 | | White Ash | | Medium | < 5 feet | Seeding | |
| Balsam Poplar | | 5 | Pole/Sapling | 5 | | White Ash | | Medium | Variable | Sapling | |
| | | | | | | Serviceberry (Juneberry) | | Low | Variable | Tall Shrub | |
| | | | | | | Red Pine | | Trace | Variable | Sapling | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------|---|------------|------------|-------------|--------------------|--|----------------|-------------|--------------|----------|-------|----------|---------|--------------|-------|----------|---------------|--------------|--------------|----------|------------|---------------|------|--------------|----------|------------|--|----------|--------------|--------------|--------------------|--|-------------|----------|------------|--------------------|----------|----------------------|----------|-------------|------------|-------------|-------------|--------------------------|----------|----------|--------------|-----------------|----------|-------------|------------|--------------|----------|----------|------------|------------|----------|----------|-----------|-----|----------|---------|---------|-------|----------|---------|-------|-----|----------|---------|
| 124 | 4130 - Aspen | Poletimber Well | 21.4 | 36 | 111-140 | N/A | Emerging poletimber stand that is nearly pure aspen. Clearcut in 1987 by Quality Chips Company in the sale Lakehead Aspen South (#53-032-85). Hardwood site quality so aspen growth is good in most places, although diameters tend to vary a lot throughout the stand. A decent amount (maybe 5%) of the bigtooth stems have lower bole damage and rot, likely from past elk browse damage. A few small, non-forested openings scattered throughout. Trace of red oak (pole), white ash (pole), red pine (log/pole), beech (pole), and white pine (log/pole). Average ba/acre from 10 plots = 127 square feet. Rolling terrain. This stand should be ready for a harvest next entry. Manage with surrounding aspen stands in order to spread out browse pressure. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Bigtooth Aspen</td> <td>86</td> <td>Pole/Sapling</td> <td>7</td> <td>36</td> </tr> <tr> <td>Ironwood</td> <td>3</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Balsam Poplar</td> <td>3</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>8</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Bigtooth Aspen | 86 | Pole/Sapling | 7 | 36 | Ironwood | 3 | Pole/Sapling | 5 | | Balsam Poplar | 3 | Pole/Sapling | 6 | | Quaking Aspen | 8 | Pole/Sapling | 5 | | <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>White Pine</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Trace</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>White Ash</td> <td>Medium</td> <td>< 5 feet</td> <td>Seeding</td> </tr> <tr> <td>Ironwood</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Ash</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Trace</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | | | Sub-Canopy Species | Density | Avg. Height | Size | White Pine | Trace | Variable | Sapling | Red Pine | Trace | Variable | Sapling | Sugar Maple | Trace | >20 feet | Sapling | Black Cherry | Low | Variable | Tall Shrub | White Ash | Medium | < 5 feet | Seeding | Ironwood | Medium | Variable | Sapling | White Ash | Low | Variable | Sapling | Red Oak | Trace | >20 feet | Sapling | Beech | Low | Variable | Sapling |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 86 | Pole/Sapling | 7 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | 3 | Pole/Sapling | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Poplar | 3 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 8 | Pole/Sapling | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Low | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Ash | Medium | < 5 feet | Seeding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Ash | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 125 | 4130 - Aspen | Poletimber Well | 7.7 | 36 | 81-110 | N/A | Pretty good quality younger aspen stand. Clearcut in 1987 by Quality Chips Company in the sale Lakehead Aspen South (#53-032-85). Little species diversity as the stand is almost pure aspen. Quaking aspen is more dominant in the south half, bigtooth in the north half. Aspen diameters tend to vary significantly. The majority of the pine is on the west edge of the stand. A large vernal pool is present at the northeast side near the pipeline. There is also some seasonally wet ground at the far southern end where the seep from stand 128 drains into this stand. Most witch hazel can be found in the northeast portion of the stand. Average ba/acre from 6 plots = 105 square feet. Rolling terrain. This stand should be ready for a harvest in 10 years. Protect the wet areas. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Quaking Aspen</td> <td>53</td> <td>Pole/Sapling</td> <td>6</td> <td>36</td> </tr> <tr> <td>Red Pine</td> <td>1</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>1</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>43</td> <td>Pole/Sap/Log</td> <td>7</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Quaking Aspen | 53 | Pole/Sapling | 6 | 36 | Red Pine | 1 | Pole | 6 | | White Pine | 2 | Pole/Log | 8 | | Jack Pine | 1 | Pole | 6 | | Bigtooth Aspen | 43 | Pole/Sap/Log | 7 | | <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>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Serviceberry (Juneberry)</td> <td>Low</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>Hawthorn (spp.)</td> <td>Trace</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Black Cherry</td> <td>Medium</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>White Pine</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | | | Sub-Canopy Species | Density | Avg. Height | Size | Witch Hazel | Low | 5 - 10 feet | Tall Shrub | Serviceberry (Juneberry) | Low | Variable | Tall Shrub | Hawthorn (spp.) | Trace | 5 - 10 feet | Tall Shrub | Black Cherry | Medium | Variable | Tall Shrub | White Pine | Trace | Variable | Sapling | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 53 | Pole/Sapling | 6 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 1 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 2 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 1 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 43 | Pole/Sap/Log | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Witch Hazel | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Serviceberry (Juneberry) | Low | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hawthorn (spp.) | Trace | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Medium | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 126 | 3205 - Mixed Upland Shrub | Nonstocked | 6.4 | | Unspecified | No | This was formerly a forested stand that was clearcut in 1987 in the sale Lakehead Aspen South (#53-032-85, Quality Chips Company) but browse has killed most tree regeneration. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <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 Pine</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Trace</td> <td>>20 feet</td> <td>Log</td> </tr> <tr> <td>Black Cherry</td> <td>Trace</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>Mixed Grasses</td> <td>High</td> <td>Unspecified</td> <td>Non-Wood</td> </tr> <tr> <td>White Pine</td> <td>Trace</td> <td>>20 feet</td> <td>Pole</td> </tr> <tr> <td>Bracken Fern</td> <td>High</td> <td>Unspecified</td> <td>Non-Wood</td> </tr> <tr> <td>Basswood</td> <td>Trace</td> <td>>20 feet</td> <td>Log</td> </tr> <tr> <td>Blackberry/Raspberry</td> <td>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | | | Sub-Canopy Species | | Density | Avg. Height | Size | Red Pine | Trace | Variable | Sapling | Sugar Maple | Trace | >20 feet | Log | Black Cherry | Trace | Variable | Tall Shrub | Mixed Grasses | High | Unspecified | Non-Wood | White Pine | Trace | >20 feet | Pole | Bracken Fern | High | Unspecified | Non-Wood | Basswood | Trace | >20 feet | Log | Blackberry/Raspberry | Low | < 5 feet | Tall Shrub | White Pine | Low | Variable | Sapling | Ironwood | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | Trace | >20 feet | Log | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Trace | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Grasses | High | Unspecified | Non-Wood | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Trace | >20 feet | Pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bracken Fern | High | Unspecified | Non-Wood | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basswood | Trace | >20 feet | Log | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blackberry/Raspberry | Low | < 5 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------------|---|------------|--------------------|-------------|-----------------|---|----------------|-------|--------------|-----|--|-------------|----|--------------|----|----|----------------|----|--------------|---|--|----------------|----|---------------|----|----|---|----|--------------------|---------|-------------|-----------|--------------|----------|----------|------------|----------------|-----|--------------|---------|---------|---|----------|--------------------|------------|-------------|----------|------------|-----------|----------|----------|--|-----|--------------------|---------|-------------|-------|----------|---------|----------|---------|-----------|---------|----------|---------|-------------|--------|----------|---------|
| 127 | 4199 - Other Mixed Upland Deciduous | Poletimber Well | 17.2 | 94 | 111-140 | N/A | Mixed oak/hardwood stand. The oak component is high quality for the most part. Despite being the same age as the oak, the hardwood component (with the exception of basswood) is very small diameter for its age. Stem quality seems ok, just for whatever reason the maple growth seems to be stunted. Paper birch used to be a larger component of the stand but it is now mostly all dead. Average ba/acre from 10 plots = 113 square feet. All of the stand sits on a gradual east facing slope. At this time the stand qualifies for a thinning but it would be a TSI cut with only small diameter hardwood stems needing to be removed. Wait another ten years for the hardwoods to put on more growth and then prescribe a thinning. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Bigtooth Aspen</td><td>3</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Sugar Maple</td><td>27</td><td>Pole/Sap/Log</td><td>7</td><td></td></tr> <tr><td>Beech</td><td>5</td><td>Pole/Sap/Log</td><td>7</td><td></td></tr> <tr><td>White Pine</td><td>1</td><td>Log</td><td>15</td><td></td></tr> <tr><td>Red Pine</td><td>1</td><td>Log/XLog</td><td>15</td><td></td></tr> <tr><td>Red Oak</td><td>40</td><td>Log/XLog</td><td>15</td><td>94</td></tr> <tr><td>Red Maple</td><td>18</td><td>Pole/Sap/Log</td><td>7</td><td>94</td></tr> <tr><td>Paper Birch</td><td>1</td><td>Pole/Log</td><td>9</td><td></td></tr> <tr><td>Basswood</td><td>4</td><td>Log/Pole</td><td>11</td><td></td></tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Bigtooth Aspen | 3 | Log/Pole | 12 | | Sugar Maple | 27 | Pole/Sap/Log | 7 | | Beech | 5 | Pole/Sap/Log | 7 | | White Pine | 1 | Log | 15 | | Red Pine | 1 | Log/XLog | 15 | | Red Oak | 40 | Log/XLog | 15 | 94 | Red Maple | 18 | Pole/Sap/Log | 7 | 94 | Paper Birch | 1 | Pole/Log | 9 | | Basswood | 4 | Log/Pole | 11 | | <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>Beech</td><td>Low</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>Red Maple</td><td>Medium</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>Sugar Maple</td><td>Medium</td><td>>20 feet</td><td>Sapling</td></tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Beech | Low | >20 feet | Sapling | Red Maple | Medium | >20 feet | Sapling | Sugar Maple | Medium | >20 feet | Sapling |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 3 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 27 | Pole/Sap/Log | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 5 | Pole/Sap/Log | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 1 | Log | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 1 | Log/XLog | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 40 | Log/XLog | 15 | 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 18 | Pole/Sap/Log | 7 | 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 1 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basswood | 4 | Log/Pole | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 128 | 42290 - Natural Mixed Pine | Poletimber Poor | 3.1 | 34 | 1-50 | N/A | This stand was clearcut at the same time as stand 131 to the south but did not regenerate well. It has filled in with mostly bushy, open-grown pine. Average ba/acre from 4 plots = 40 square feet. There is a wet, elevated seep in the narrow middle part of the stand, that drains down into stand 25 (A6). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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 Pine</td><td>20</td><td>Pole/Sap/Log</td><td>6</td><td></td></tr> <tr><td>White Pine</td><td>58</td><td>Pole/Sap/Log</td><td>6</td><td>34</td></tr> <tr><td>Bigtooth Aspen</td><td>5</td><td>Pole/Log</td><td>8</td><td></td></tr> <tr><td>Jack Pine</td><td>17</td><td>Pole/Sapling</td><td>5</td><td></td></tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Pine | 20 | Pole/Sap/Log | 6 | | White Pine | 58 | Pole/Sap/Log | 6 | 34 | Bigtooth Aspen | 5 | Pole/Log | 8 | | Jack Pine | 17 | Pole/Sapling | 5 | | <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>Black Cherry</td><td>Low</td><td>Variable</td><td>Tall Shrub</td></tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Black Cherry | Low | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 20 | Pole/Sap/Log | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 58 | Pole/Sap/Log | 6 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 5 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 17 | Pole/Sapling | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Low | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 129 | 2113 - Forage Crops | Nonstocked | 5.5 | | Unspecified | Managed Opening | Managed opening. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <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 Pine</td><td>Trace</td><td>>20 feet</td><td>Log</td></tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Red Pine | Trace | >20 feet | Log | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Trace | >20 feet | Log | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 130 | 4311 - Pine, Aspen Mix | Sawtimber Well | 1.0 | 76 | 81-110 | N/A | Small stand of mature pine and aspen. Jack pine is mostly in the north half, there was previously more in the stand but some have died. Red maple is only in the south half. Trace of large diameter black cherry and paper birch, both in 2-stemmed stump sprouts. One red oak stump sprout clump in the middle of the stand and one single-stemmed tree at the far southern end. Average ba/acre from 3 plots = 87 square feet. No management due to the small size, serves well as retention. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>11</td><td>Log/Pole</td><td>13</td><td></td></tr> <tr><td>Red Oak</td><td>2</td><td>Log</td><td>14</td><td></td></tr> <tr><td>Quaking Aspen</td><td>26</td><td>Pole/Log</td><td>9</td><td></td></tr> <tr><td>Red Pine</td><td>12</td><td>Log/XLog/Pole</td><td>16</td><td></td></tr> <tr><td>White Pine</td><td>28</td><td>Log/XLog/Pole</td><td>12</td><td>76</td></tr> <tr><td>Jack Pine</td><td>19</td><td>Pole/Log</td><td>8</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>2</td><td>Log/Pole</td><td>11</td><td></td></tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Maple | 11 | Log/Pole | 13 | | Red Oak | 2 | Log | 14 | | Quaking Aspen | 26 | Pole/Log | 9 | | Red Pine | 12 | Log/XLog/Pole | 16 | | White Pine | 28 | Log/XLog/Pole | 12 | 76 | Jack Pine | 19 | Pole/Log | 8 | | Bigtooth Aspen | 2 | Log/Pole | 11 | | <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>White Pine</td><td>Medium</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Jack Pine</td><td>Low</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Red Pine</td><td>Trace</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Beech</td><td>Trace</td><td>Variable</td><td>Sapling</td></tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | White Pine | Medium | Variable | Sapling | Jack Pine | Low | Variable | Sapling | Red Pine | Trace | Variable | Sapling | Beech | Trace | Variable | Sapling | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 11 | Log/Pole | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 2 | Log | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 26 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 12 | Log/XLog/Pole | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 28 | Log/XLog/Pole | 12 | 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 19 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 2 | Log/Pole | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 131 | 4130 - Aspen | Poletimber Well | 2.4 | 36 | 111-140 | N/A | Aspen stand that is just reaching merchantability. Clearcut in 1987 by Quality Chips Company in the sale Lakehead Aspen South (#53-032-85). Diameters tend to vary significantly, with the largest trees at the northwest corner of the stand. A clump of white pine at the south end of varying diameters. A few nice red oak saplings. Trace of white spruce, red pine, and jack pine poletimber. Average ba/acre from 4 plots = 115 square feet. Most of the stand sits on a gradual west/northwest facing slope. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>3</td><td>Pole/Sapling</td><td>5</td><td></td></tr> <tr><td>White Pine</td><td>7</td><td>Pole/Sap/Log</td><td>7</td><td></td></tr> <tr><td>Quaking Aspen</td><td>10</td><td>Pole/Sapling</td><td>6</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>80</td><td>Pole/Sapling</td><td>7</td><td>36</td></tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Maple | 3 | Pole/Sapling | 5 | | White Pine | 7 | Pole/Sap/Log | 7 | | Quaking Aspen | 10 | Pole/Sapling | 6 | | Bigtooth Aspen | 80 | Pole/Sapling | 7 | 36 | <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>Black Cherry</td><td>Low</td><td>Variable</td><td>Tall Shrub</td></tr> <tr><td>Ironwood</td><td>Low</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Red Oak</td><td>Low</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Sapling</td></tr> <tr><td>Red Maple</td><td>Low</td><td>>20 feet</td><td>Sapling</td></tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Black Cherry | Low | Variable | Tall Shrub | Ironwood | Low | Variable | Sapling | Red Oak | Low | >20 feet | Sapling | White Pine | Low | Variable | Sapling | Red Maple | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 3 | Pole/Sapling | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 7 | Pole/Sap/Log | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 10 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 80 | Pole/Sapling | 7 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Low | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------------|------------------|------------|------------|----------|--------------|---|----------------|----|---------------|----|----|------------|----|---------------|----|--|-------------|----|--------------|----|----|---|----|--------------------|---------|-------------|------------|------------|---------------|-------------|---------|------------|--------|--------------|---------|----------|--|-------------|--------------------|----------|-------------|---|--------------|--------------------|-------------|-------------|---|-----------|--------------------|----------|-------------|-----------|----------|----------|-------------|------------|----------|----------|-------------|--------------|--------------|------------|------------|---------|----------|---------|----------|---------|
| 132 | 4130 - Aspen | Poletimber Well | 22.6 | 36 | 81-110 | N/A | This stand was clearcut in 1987 in the sale Lakehead Aspen South (Quality Chips Company, #53-032-85). Aspen regenerated well throughout the entire stand. Diameters tend to vary in the stand with best growth and quality in the far west side of the stand, and small diameters in the very narrow part of the stand. Average ba/acre from 8 plots = 83 square feet. Mostly flat terrain except for the far western end. This stand will need at least another 10 years of growth before ready for a harvest. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Quaking Aspen</td> <td>8</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>2</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>68</td> <td>Pole/Sapling</td> <td>6</td> <td>36</td> </tr> <tr> <td>Red Oak</td> <td>2</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>13</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Quaking Aspen | 8 | Pole/Sapling | 6 | | Jack Pine | 2 | Pole | 6 | | Red Pine | 2 | Pole | 6 | | Bigtooth Aspen | 68 | Pole/Sapling | 6 | 36 | Red Oak | 2 | Pole | 7 | | White Pine | 5 | Pole/Sapling | 5 | | Red Maple | 13 | Sapling/Pole | 4 | | <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>Medium</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Red Maple | Medium | >20 feet | Sapling | Red Pine | Trace | Variable | Sapling | White Pine | Medium | Variable | Sapling | Black Cherry | Low | Variable | Tall Shrub | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 8 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 2 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 2 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 68 | Pole/Sapling | 6 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 2 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 5 | Pole/Sapling | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 13 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Low | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 133 | 42110 - Planted Red Pine | Sawtimber Medium | 10.5 | 92 | 111-140 | N/A | Everything but red pine, white pine, and red oak were cut out of this stand in 2007 in the sale Valley Combo (# 53-003-05-01), bought by Tulgetstka. Some white pine has regenerated but that's about it. Where red maple seedlings are present, they are being heavily browsed. Residual basal areas vary considerably as do diameters. In general, stocking is much lower in the south/southwest part of the stand. The east side of the stand has an area of large diameter, densely-stocked mixed pine that had minimal trees removed. Red pine diameters tend to be a lot smaller in the west side of the stand. There are a handful of large diameter (18"+) relic red pine in the stand. Planting records exist for this area although this stand does not resemble a plantation at all. Average ba/acre from 5 plots = 120 square feet. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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 Oak</td> <td>14</td> <td>Log/XLog/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log/Pole/XLog</td> <td>13</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>66</td> <td>Log/Pole</td> <td>12</td> <td>92</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Oak | 14 | Log/XLog/Pole | 13 | | White Pine | 20 | Log/Pole/XLog | 13 | | Red Pine | 66 | Log/Pole | 12 | 92 | <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>White Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Seeding</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Trace</td> <td>< 5 feet</td> <td>Seeding</td> </tr> <tr> <td>Jack Pine</td> <td>Trace</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>< 5 feet</td> <td>Seeding</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>< 5 feet</td> <td>Seeding</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | White Pine | Medium | 5 - 10 feet | Sapling | White Pine | Medium | < 5 feet | Seeding | Red Pine | Low | 5 - 10 feet | Sapling | Red Pine | Trace | < 5 feet | Seeding | Jack Pine | Trace | 5 - 10 feet | Sapling | Beech | Low | < 5 feet | Seeding | Red Maple | Low | < 5 feet | Seeding | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 14 | Log/XLog/Pole | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 20 | Log/Pole/XLog | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 66 | Log/Pole | 12 | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Medium | < 5 feet | Seeding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Trace | < 5 feet | Seeding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | Trace | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Low | < 5 feet | Seeding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | < 5 feet | Seeding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 134 | 4130 - Aspen | Poletimber Well | 13.5 | 36 | 81-110 | N/A | Clearcut in 1987 in the sale Lakehead Aspen South (Quality Chips Company, #53-032-85). The stand regenerated well to mostly aspen, although the east running finger of the stand has more red maple. Trace of jack pine in the overstory. An old road runs east-west at the western part of the stand as well as the north end (see 98DOQ imagery). This stand needs at least another 10 years of growth, maybe 20. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Bigtooth Aspen</td> <td>61</td> <td>Pole/Sapling</td> <td>5</td> <td>36</td> </tr> <tr> <td>Red Oak</td> <td>2</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Pole/Sap/Log</td> <td>7</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>15</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Bigtooth Aspen | 61 | Pole/Sapling | 5 | 36 | Red Oak | 2 | Pole | 7 | | White Pine | 10 | Pole/Sap/Log | 7 | | Quaking Aspen | 15 | Pole/Sapling | 6 | | Red Pine | 2 | Pole | 7 | | Red Maple | 10 | Pole/Sapling | 5 | | <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>Black Cherry</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Trace</td> <td>10 - 20 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Pine</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Black Cherry | Low | 5 - 10 feet | Tall Shrub | Red Maple | Medium | >20 feet | Sapling | White Pine | Low | Variable | Sapling | Beech | Trace | Variable | Sapling | Witch Hazel | Trace | 10 - 20 feet | Tall Shrub | Red Pine | Trace | Variable | Sapling | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 61 | Pole/Sapling | 5 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 2 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 10 | Pole/Sap/Log | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 15 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 2 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 10 | Pole/Sapling | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Witch Hazel | Trace | 10 - 20 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 135 | 4199 - Other Mixed Upland Deciduous | Sawtimber Well | 17.0 | 84 | 81-110 | N/A | Mixed species stand of varying quality. Oak and pine show the best growth on this site. The majority of the oak is high quality and vigorous, although there are some stems showing signs of decline. Oak concentration is highest in the middle and south parts of the stand. Red maple and beech diameters vary significantly, in areas with a high oak component many of the beech and red maple stems are barely merchantable. Sugar maple is mostly at the northeast side of the stand where there is a pocket of better quality hardwoods. A small inclusion of nearly pure pine is present at the northwest corner. The remainder of the pine is mostly at the far southern end of the stand. A second age class of younger oak in the sapling and poletimber size classes is present, although rare, and mostly concentrated in the southeast part of the stand adjacent to the pipeline, where there are some areas of lower stocking. Trace of quaking aspen in the overstory. Average ba/acre from 11 plots = 108 square feet. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Paper Birch</td> <td>4</td> <td>Log</td> <td>11</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>6</td> <td>Log/XLog/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>30</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>White Pine</td> <td>6</td> <td>Log/Pole/XLog</td> <td>11</td> <td></td> </tr> <tr> <td>Beech</td> <td>12</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>34</td> <td>Log/XLog/Pole</td> <td>14</td> <td>84</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>3</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Paper Birch | 4 | Log | 11 | | Red Pine | 6 | Log/XLog/Pole | 13 | | Sugar Maple | 5 | Pole/Log | 8 | | Red Maple | 30 | Pole/Log | 8 | | White Pine | 6 | Log/Pole/XLog | 11 | | Beech | 12 | Pole/Log | 8 | | Red Oak | 34 | Log/XLog/Pole | 14 | 84 | Bigtooth Aspen | 3 | Log/Pole | 11 | | <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>Beech</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Trace</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Beech | High | 5 - 10 feet | Sapling | Red Oak | Trace | >20 feet | Sapling | White Pine | Low | Variable | Sapling | Ironwood | Low | Variable | Sapling |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 4 | Log | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 6 | Log/XLog/Pole | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 5 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 30 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 6 | Log/Pole/XLog | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 12 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 34 | Log/XLog/Pole | 14 | 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 3 | Log/Pole | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | High | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|----------|--------------------|-------------|--------------|---|------------|---------------|----------|---------|---------------|------|-------------|----------|------------|----------------|----------|--------------|--------------|------|-------------|----------|---------------|----|--|---|----|--------------------|---------|-------------|----------------|------------|--------------|----------|---------|------------|-----|---------------|---------|-------|---------|----------|----------|----|--|---|----|--------------------|---------|-------------|--|-------|--------------------|----------|-------------|---------|-------|----------|----------|----------|------------|----------|----------|---------------|------------|----------|----------|-----------|-----------|----------|----------|------------|-------|----------|---------|
| 136 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 8.8 | 89 | 81-110 | N/A | Mixed species, 2-aged stand. Everything except oak, red pine, and white pine was cut out of this stand in 1987. Some areas of the stand are nearly pure oak so not much was removed. The younger aspen is mostly in the north 1/2 of the stand. Some oak did regenerate throughout and is in the poletimber and small sawlog size classes. The component of younger white pine is starting to recruit into the overstory. Average ba/acre from 5 plots = 98 square feet. Don't manage until the 2nd age class matures. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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 Oak</td> <td>48</td> <td>Log/XLog/Pole</td> <td>14</td> <td>89</td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>19</td> <td>Pole/Sapling</td> <td>6</td> <td>35</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Red Oak | 48 | Log/XLog/Pole | 14 | 89 | Red Pine | 5 | Log/Pole | 13 | | Bigtooth Aspen | 19 | Pole/Sapling | 6 | 35 | Red Maple | 10 | Pole/Sapling | 6 | | <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>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | White Pine | Medium | Variable | Sapling | Red Maple | Low | >20 feet | Sapling | Beech | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 48 | Log/XLog/Pole | 14 | 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 5 | Log/Pole | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 19 | Pole/Sapling | 6 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 10 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 137 | 4311 - Pine, Aspen Mix | Poletimber Well | 4.4 | 62 | 111-140 | N/A | Mix of species. White pine dominant in the east 1/3rd of the stand. There appears to be 2 age classes of aspen as it looks like portions of this stand had a partial harvest at one time. Average ba/acre from 5 plots = 126 square feet. This stand was left as retention for the adjacent harvest in stand 56 to the south and stand 6 to the east in Compartment 34. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Paper Birch</td> <td>2</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td>Log/XLog</td> <td>17</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>18</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>1</td> <td>Log</td> <td>13</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>18</td> <td>Pole/Log</td> <td>8</td> <td>62</td> </tr> <tr> <td>Balsam Fir</td> <td>7</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>1</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>41</td> <td>Log/Pole/XLog</td> <td>11</td> <td>62</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Paper Birch | 2 | Pole/Log | 8 | | Red Pine | 2 | Log/XLog | 17 | | Quaking Aspen | 10 | Pole/Log | 8 | | Red Maple | 18 | Pole | 8 | | Sugar Maple | 1 | Log | 13 | | Bigtooth Aspen | 18 | Pole/Log | 8 | 62 | Balsam Fir | 7 | Pole | 6 | | Red Oak | 1 | Log | 12 | | White Pine | 41 | Log/Pole/XLog | 11 | 62 | <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>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>>20 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Beech | Low | Variable | Sapling | White Pine | Medium | >20 feet | Sapling | Balsam Fir | Medium | Variable | Sapling | Red Maple | Low | >20 feet | Sapling | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 2 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 2 | Log/XLog | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 10 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 18 | Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 1 | Log | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 18 | Pole/Log | 8 | 62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 7 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 1 | Log | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 41 | Log/Pole/XLog | 11 | 62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 138 | 3205 - Mixed Upland Shrub | Nonstocked | 1.4 | | Unspecified | No | This was formerly a forested stand that was clearcut but browse eliminated most tree regeneration. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <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>White Pine</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Mixed Grasses</td> <td>High</td> <td>Unspecified</td> <td>Non-Wood</td> </tr> <tr> <td>White Pine</td> <td>Trace</td> <td>>20 feet</td> <td>Pole</td> </tr> <tr> <td>Bracken Fern</td> <td>High</td> <td>Unspecified</td> <td>Non-Wood</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | White Pine | Trace | Variable | Sapling | Mixed Grasses | High | Unspecified | Non-Wood | White Pine | Trace | >20 feet | Pole | Bracken Fern | High | Unspecified | Non-Wood | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Grasses | High | Unspecified | Non-Wood | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Trace | >20 feet | Pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bracken Fern | High | Unspecified | Non-Wood | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 139 | 4199 - Other Mixed Upland Deciduous | Poletimber Medium | 7.4 | 48 | 51-80 | N/A | This stand was manually cut by a DNR crew in 1975. Some scattered residual beech, oak, and maple were left. Regeneration came back well in some areas, but not all, as there are non-forested openings scattered throughout. The west half of the stand has some areas of nice red oak regeneration. The east half is primarily ironwood although there are still some red oak too. Most beech have BBD, with some already dead. Found two white ash that are still alive (8" and 11"). Trace of red pine in the overstory. Average ba/acre from 7 plots = 71 square feet. Rolling terrain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Ironwood</td> <td>30</td> <td>Pole/Sapling</td> <td>5</td> <td>48</td> </tr> <tr> <td>Jack Pine</td> <td>1</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>1</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Log/Pole/XLog</td> <td>13</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>11</td> <td>Log/Pole</td> <td>12</td> <td>100</td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>25</td> <td>Pole/Log/XLog</td> <td>8</td> <td></td> </tr> <tr> <td>Beech</td> <td>15</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Ironwood | 30 | Pole/Sapling | 5 | 48 | Jack Pine | 1 | Pole/Log | 8 | | Paper Birch | 1 | Pole | 6 | | White Pine | 2 | Log/Pole/XLog | 13 | | Sugar Maple | 11 | Log/Pole | 12 | 100 | Red Maple | 15 | Pole/Sapling | 6 | | Red Oak | 25 | Pole/Log/XLog | 8 | | Beech | 15 | Log/Pole | 11 | | <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>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Trace</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>Medium</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Striped Maple</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Beech | Medium | Variable | Sapling | Red Oak | Trace | >20 feet | Sapling | Ironwood | Medium | >20 feet | Sapling | Striped Maple | Trace | Variable | Sapling | Red Maple | Low | >20 feet | Sapling | White Pine | Trace | Variable | Sapling |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | 30 | Pole/Sapling | 5 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 1 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 1 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 2 | Log/Pole/XLog | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 11 | Log/Pole | 12 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 15 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 25 | Pole/Log/XLog | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 15 | Log/Pole | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Striped Maple | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | |
|-----------------------|-------------------------------------|-----------------|-------------------|------------|------------|---------------------------|--|--|
| 140 | 4119 - Mixed Northern Hardwoods | Poletimber Well | 31.6 | 91 | 111-140 | N/A | Hardwood stand of varying composition and quality. The middle of the stand sits on somewhat of a ridgetop with slopes going down to the west/northwest/southeast. Quality is best on the ridgetops and east facing slopes. West facing slopes adjacent to the pipeline are lower quality and have more of a red maple/beech mix. Beech is abundant in areas. Most have BBD with several already being dead. However, it looks like there are a few resistant stems. The far north end has areas of low stocking and is also where most of the aspen and pine is located. Some very large diameter red oak in the stand. Although rare, there is a second age class of younger red oak in the sapling and poletimber size classes, which can be found mostly along the pipeline edge. Average ba/acre from 15 plots = 111 square feet. The only records of a harvest are of a TSI done in 1975. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | |
| Paper Birch | | 2 | Log/Pole | 11 | | Ironwood | | |
| Beech | | 17 | Pole/Log/XLog | 9 | | Beech | | |
| Quaking Aspen | | 1 | Log/Pole | 11 | | Red Oak | | |
| Red Oak | | 8 | XLog/Log/Pole | 19 | | White Pine | | |
| Ironwood | | 1 | Pole | 5 | | Density | | |
| Basswood | | 12 | Log/XLog/Pole | 13 | | Avg. Height | | |
| Bigtooth Aspen | | 2 | Log/XLog | 13 | | Size | | |
| Red Maple | | 14 | Log/Pole | 10 | | | | |
| Red Pine | | 1 | Log | 14 | | | | |
| Sugar Maple | | 40 | Pole/Log/XLog | 8 | 91 | | | |
| White Pine | | 2 | Log/XLog/Pole | 15 | | | | |
| 141 | 4133 - Aspen, Mixed Pine | Sapling Well | 2.5 | 15 | Immature | N/A | This stand was cut in 2007 in the sale Valley Combo (Tulgestka, #53-005-01). Variable sizes of white pine were left. Aspen came back moderately well. A little bit of red oak regen on the west edge near the road. More beech regen the further east you go. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | |
| White Pine | | 28 | Pole/Sap/Log | 6 | | White Pine | | |
| Red Oak | | 1 | Sapling | 2 | | Maple Leaved Viburnum | | |
| Bigtooth Aspen | | 55 | Sapling | 2 | 15 | Black Cherry | | |
| Beech | | 11 | Sapling | 1 | | Beech | | |
| Striped Maple | | 3 | Sapling | 2 | | Density | | |
| Red Pine | | 2 | Log | 14 | | Avg. Height | | |
| | | | | | | Size | | |
| 142 | 4199 - Other Mixed Upland Deciduous | Poletimber Well | 7.1 | 54 | 81-110 | N/A | Two-aged stand that is a mix of hardwoods and aspen. The younger age class is mostly some scattered clones of aspen, although there are also some younger red maple and red oak stems as well. Some older aspen is present at the north end of the stand. Most beech in the stand have BBD although there may be a few resistant trees. Trace of paper birch. A large, double-stemmed serviceberry (8"+ DBH) is along the northern edge. Average ba/acre from 5 plots = 104 square feet. The entire stand sits on a gradual west-facing side-slope. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | |
| Bigtooth Aspen | | 28 | Pole/Log | 9 | 54 | Red Oak | | |
| Basswood | | 1 | Log | 12 | | Striped Maple | | |
| Red Maple | | 20 | Log/Pole | 10 | | White Pine | | |
| Beech | | 18 | Log/Pole | 12 | | Beech | | |
| Red Oak | | 8 | Pole/Log/XLog | 9 | | Ironwood | | |
| Ironwood | | 1 | Pole | 5 | | Red Maple | | |
| Sugar Maple | | 18 | Log/Pole/XLog | 10 | 100 | Density | | |
| Quaking Aspen | | 4 | Pole/Log | 8 | | Avg. Height | | |
| White Pine | | 2 | Log/Pole/XLog | 11 | | Size | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | |
|----------------|-------------------------------------|-------------------|-------|-----------|--------------------|--------------|---|--|-------------|
| 143 | 4311 - Pine, Aspen Mix | Poletimber Medium | 4.4 | 24 | 1-50 | N/A | <p>This stand was clearcut as the same time as adjacent stand 123 to the west, but regenerated to a different mix of species due to past browse impacts. Red and white pine have regenerated well, although many of the white pine stems are bushy and weevil-damaged. There are scattered small clumps of bigtooth aspen, which are displaying excellent growth, likely due to the open nature of the stand. Patches of ironwood and black cherry, with a smaller component of beech, are mixed in throughout. There are a few black cherry stems that look like they will be merchantable quality but the majority will probably only attain shrub quality. The middle of this stand appears to have been a landing which may be the reason for all of the pine regeneration throughout the stand. Trace of paper birch poletimber. A few residual basswood, sugar maple, and white pine were left. The west half of the stand sits on moderately steep slopes. Manage this stand for mixed pine/hardwoods, although it will be a long time before it is ready for a treatment.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| White Pine | 29 | Pole/Sap/Log | 5 | 24 | Beech | Low | | 5 - 10 feet | Sapling |
| Quaking Aspen | 3 | Sapling/Pole | 4 | | Ironwood | Low | | 5 - 10 feet | Sapling |
| Basswood | 1 | Log/XLog | 16 | | Black Cherry | Medium | | Variable | Tall Shrub |
| Ironwood | 18 | Sapling | 3 | | White Pine | Low | | Variable | Sapling |
| Sugar Maple | 3 | Log/XLog | 14 | | | | | | |
| Bigtooth Aspen | 22 | Pole/Log | 8 | | | | | | |
| Beech | 1 | Sapling/Pole | 4 | | | | | | |
| Red Pine | 20 | Sapling/Pole | 4 | | | | | | |
| Black Cherry | 3 | Sapling | 3 | | | | | | |
| 144 | 4199 - Other Mixed Upland Deciduous | Sapling Well | 51.8 | 27 | 1-50 | N/A | | <p>The majority of this regeneration originated following a partial harvest in the mid 1990's. The red pine overstory was then removed in 2005, with the exception of scattered red pine leave trees. There are also a handful of residual white pine and red oak. Pretty diverse regeneration, although dominated by ironwood and beech. Site quality increases as you go north in the stand, with most of the sugar maple being at the far northern end near Sturgeon Valley Road. Some areas with a nice component of young red oak. Pine regen becomes more prevalent at the south end. Not much new in-growth since the last harvest, pretty much just raspberry and black cherry. Due to the good site quality, I expect some of the cherry to become merchantable. Lots of elk damage on the boles of the red maple. Rolling terrain. Trace of quaking aspen and paper birch. Collect BA data next entry to get a more accurate representation of the canopy percentages, ocular estimates are hard for young, diverse stands such as this.</p> | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | | Avg. Height |
| White Pine | 6 | Sapling/Pole/Log | 3 | | Black Cherry | Medium | 5 - 10 feet | | Tall Shrub |
| Sugar Maple | 16 | Sapling/Pole | 3 | | | | | | |
| Ironwood | 23 | Sapling/Pole | 3 | 27 | | | | | |
| Black Cherry | 3 | Sapling/Pole | 4 | | | | | | |
| Red Maple | 9 | Sapling/Pole | 4 | | | | | | |
| Striped Maple | 2 | Sapling | 3 | | | | | | |
| Red Oak | 8 | Sapling/Pole/Log | 4 | | | | | | |
| Beech | 22 | Sapling/Pole | 3 | | | | | | |
| Balsam Poplar | 2 | Sapling/Pole | 4 | | | | | | |
| Red Pine | 7 | Sapling/Pole/Log | 3 | | | | | | |
| Jack Pine | 2 | Sapling/Pole | 4 | | | | | | |
| 145 | 4199 - Other Mixed Upland Deciduous | Poletimber Well | 6.2 | 56 | 81-110 | N/A | <p>Mixed species stand with a lot of small diameter stems. Red maple is the most common species yet barely merchantable. Bigtooth aspen scattered throughout with a small clump of older trees at the far east end. The quaking aspen is mostly in the east half, poor quality, and experiencing mortality. Nice representation of young red oak. There is also a second age class of much older oak in the log/XL-log size classes. Some small non-forested areas are present along the south edge. Average ba/acre from 6 plots = 92 square feet.</p> | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Red Oak | 17 | Pole/Log/XLog | 8 | | Red Maple | Medium | | >20 feet | Sapling |
| Paper Birch | 1 | Log/Pole | 11 | | Beech | Medium | | Variable | Sapling |
| Bigtooth Aspen | 20 | Pole/Log | 8 | 56 | Red Oak | Trace | | >20 feet | Sapling |
| Red Pine | 6 | Log/Pole/XLog | 14 | | Ironwood | Low | | Variable | Sapling |
| Ironwood | 2 | Pole | 5 | | White Pine | Low | | Variable | Sapling |
| Sugar Maple | 5 | Pole | 7 | | | | | | |
| Quaking Aspen | 15 | Pole | 8 | | | | | | |
| Red Maple | 28 | Pole/Sapling | 6 | 56 | | | | | |
| White Pine | 6 | Log/Pole/XLog | 12 | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------------|-------------------|------------|------------|----------|--------------|---|----------------|----|---------------|----|----|------------|----|---------------|----|----|----------------|----|----------|---|----|---------------|----|--------------|---|--|--|----|--------------------|---------|-------------|---|---------|--------------------|----------|-------------|---|-------|--------------------|----------|-------------|---------|------------|----------|----------|------------|-----------|----------|---------------|--------------|-----------|----------|--------------|------------|--------------|----------|----------|---------|--------------|-------|----------|
| 146 | 4199 - Other Mixed Upland Deciduous | Poletimber Well | 2.3 | 89 | 81-110 | N/A | Near 50/50 split between large diameter oak and a younger age class of aspen and red maple. Some of the oak are massive. Although rare, a second age class of younger oak is also present (pole/saps). Trace of red pine. Average ba/acre from 3 plots = 107 square feet. This stand sits on a slight knob as compared to surrounding stands. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Bigtooth Aspen</td> <td>25</td> <td>Pole/Sapling</td> <td>6</td> <td>35</td> </tr> <tr> <td>White Pine</td> <td>1</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>4</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>25</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>45</td> <td>XLog/Log</td> <td>22</td> <td>89</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Bigtooth Aspen | 25 | Pole/Sapling | 6 | 35 | White Pine | 1 | Pole/Log | 8 | | Quaking Aspen | 4 | Pole | 7 | | Red Maple | 25 | Pole/Sapling | 6 | | Red Oak | 45 | XLog/Log | 22 | 89 | <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>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Trace</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Trace</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Beech | Low | Variable | Sapling | Red Oak | Trace | >20 feet | Sapling | White Pine | Low | Variable | Sapling | Black Cherry | Trace | Variable | Tall Shrub | Red Maple | High | Variable | Sapling | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 25 | Pole/Sapling | 6 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 1 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 4 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 25 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 45 | XLog/Log | 22 | 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Trace | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 147 | 4199 - Other Mixed Upland Deciduous | Poletimber Well | 5.0 | 56 | 111-140 | N/A | Younger mixed hardwood stand with a second age class of older red oak. The red oak is very high quality. The hardwoods are only mediocre in quality and still small diameter in most places, with only a handful of sawlog-sized trees present. Aspen occurs in small clumps and is not uniform throughout the stand. Beech becomes more common in the east half of the stand, with most appearing to have BBD. Trace of white pine and paper birch in the overstory. Average ba/acre from 5 plots = 134 square feet. High browse pressure in this area makes successful regeneration doubtful. Look at adjacent stand 70 to the east for an example of what would happen if this were cut. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Beech</td> <td>12</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Ironwood</td> <td>1</td> <td>Pole</td> <td>5</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>23</td> <td>Pole/Log</td> <td>8</td> <td>56</td> </tr> <tr> <td>Sugar Maple</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>19</td> <td>Log/XLog</td> <td>17</td> <td>98</td> </tr> <tr> <td>Red Maple</td> <td>35</td> <td>Pole/Log</td> <td>8</td> <td>56</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Beech | 12 | Pole/Log | 8 | | Ironwood | 1 | Pole | 5 | | Bigtooth Aspen | 23 | Pole/Log | 8 | 56 | Sugar Maple | 10 | Pole | 7 | | Red Oak | 19 | Log/XLog | 17 | 98 | Red Maple | 35 | Pole/Log | 8 | 56 | <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>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Trace</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Trace</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>>20 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Beech | Medium | Variable | Sapling | Ironwood | Low | Variable | Sapling | Red Oak | Trace | >20 feet | Sapling | Sugar Maple | Trace | >20 feet | Sapling | Red Maple | Low | >20 feet |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 12 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | 1 | Pole | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 23 | Pole/Log | 8 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 10 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 19 | Log/XLog | 17 | 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 35 | Pole/Log | 8 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 148 | 4134 - Aspen, Spruce/Fir | Poletimber Medium | 8.7 | 36 | 51-80 | N/A | This stand was clearcut in 1987 in the sale Pipeline Mix (Quality Chip Company, #53-033-85). Aspen regenerated well in the south half of the stand but not the north half, where fir is dominant and there are several areas lacking much regeneration. You could probably split this into 2 stands in the future. High deer use. Stand is nowhere close to being ready for a harvest, maybe in 20 years. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Balsam Fir</td> <td>25</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Balsam Poplar</td> <td>3</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>3</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>52</td> <td>Pole/Sapling</td> <td>5</td> <td>36</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Balsam Fir | 25 | Pole/Sapling | 5 | | Red Maple | 15 | Sapling | 3 | | White Pine | 2 | Pole | 6 | | Balsam Poplar | 3 | Pole | 6 | | White Spruce | 3 | Pole/Sapling | 5 | | Quaking Aspen | 52 | Pole/Sapling | 5 | 36 | <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>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Trace</td> <td>10 - 20 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>White Spruce</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Trace</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Balsam Fir | Medium | Variable | Sapling | Red Maple | Medium | Variable | Sapling | Tag Alder | Trace | 10 - 20 feet | Tall Shrub | White Spruce | Trace | Variable | Sapling | Black Cherry | Trace | Variable |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 25 | Pole/Sapling | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 15 | Sapling | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 2 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Poplar | 3 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Spruce | 3 | Pole/Sapling | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 52 | Pole/Sapling | 5 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag Alder | Trace | 10 - 20 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Spruce | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Trace | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 149 | 42200 - Natural White Pine | Sawtimber Well | 5.5 | 92 | 81-110 | N/A | This stand definitely had a partial harvest at one time, likely the mid 1990's but was excluded when adjacent stands 122 and 144 were cut in 2005. Moderate quality white pine with a wide variety of diameters, with a few areas dominated by legacy size trees. Red pine is more common in the south half. A nice component of younger red oak is present. Average ba/acre from 5 plots = 96 square feet. Rolling terrain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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 Pine</td> <td>30</td> <td>XLog/Log/Pole</td> <td>19</td> <td></td> </tr> <tr> <td>White Pine</td> <td>62</td> <td>Log/Pole/XLog</td> <td>13</td> <td>92</td> </tr> <tr> <td>Red Maple</td> <td>2</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>6</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Pine | 30 | XLog/Log/Pole | 19 | | White Pine | 62 | Log/Pole/XLog | 13 | 92 | Red Maple | 2 | Pole | 8 | | Red Oak | 6 | Pole/Log | 8 | | <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 Oak</td> <td>Trace</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Striped Maple</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Red Oak | Trace | >20 feet | Sapling | Beech | High | Variable | Sapling | White Pine | Low | Variable | Sapling | Ironwood | Low | Variable | Sapling | Striped Maple | Trace | Variable | Sapling | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 30 | XLog/Log/Pole | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 62 | Log/Pole/XLog | 13 | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 2 | Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 6 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Striped Maple | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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

| 150 | 42110 - Planted Red Pine | Sawtimber Poor | 6.1 | 92 | 51-80 | N/A | Scattered large diameter red pine overstory with a well-developed hardwood understory. Planting records show that the red pine was in fact planted but this does not resemble a plantation at all. Sugar maple saplings are common throughout. Quaking aspen becomes more abundant further south. Trace of basswood, paper birch, and elm saplings. Average ba/acre from 5 plots = 64 square feet. Leave the overstory and manage for the understory. Next entry this will probably be a M3 or M6. | | | | |
|----------------|--------------------------|----------------|------------|-----|-------|--------------------|--|---------|-------------|---------|--|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Red Pine | | 100 | XLog/Log | 20 | 92 | Quaking Aspen | | Medium | >20 feet | Sapling | |
| | | | | | | Red Maple | | Low | >20 feet | Sapling | |
| | | | | | | Beech | | Medium | >20 feet | Sapling | |
| | | | | | | Bigtooth Aspen | | Low | >20 feet | Sapling | |
| | | | | | | Red Oak | | Low | >20 feet | Sapling | |
| | | | | | | Ironwood | | High | >20 feet | Sapling | |
| | | | | | | Black Cherry | | Trace | >20 feet | Sapling | |
| | | | | | | Striped Maple | | Trace | >20 feet | Sapling | |
| | | | | | | Sugar Maple | | High | >20 feet | Sapling | |
| | | | | | | White Ash | | Medium | >20 feet | Sapling | |

| 151 | 4110 - Sugar Maple Association | Sawtimber Well | 41.0 | 91 | 111-140 | N/A | Moderate to high quality hardwood stand. Quality is best in the east and southeast parts of the stand. Last thinned in 1985 in the sale Twins Hardwood (Hetheron Farm and Forest Products, #53-005-85). Some areas were thinned heavier than others so there are some scattered areas of lower BAs. A small amount of red oak regenerated in the areas of lower BAs along with lots of ironwood. Aspen and pine is mostly at the far southwestern corner of the stand. A vernal pool is present near the southeast corner of the stand. In the northwest part of the stand adjacent to Sturgeon Valley Road there are some scattered red oak and yellow birch saplings. Although beech is not very common in the stand, most have BBD. Trace of quaking aspen (log/pole), white spruce (pole), balsam fir (pole), and paper birch (pole/log) in the overstory. Average ba/acre from 15 plots = 118 square feet. Flat to gently rolling terrain. | | | | |
|----------------|--------------------------------|----------------|---------------|-----|---------|--------------------|---|---------|-------------|---------|--|
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Red Pine | | 1 | Log/Pole | 14 | | White Ash | | Low | Variable | Sapling | |
| Basswood | | 29 | Log/Pole/XLog | 13 | | White Pine | | Trace | Variable | Sapling | |
| Red Oak | | 1 | Log/Pole/XLog | 11 | | Beech | | Medium | Variable | Sapling | |
| Ironwood | | 2 | Pole | 5 | | Ironwood | | High | Variable | Sapling | |
| Beech | | 4 | Log/Pole/XLog | 12 | | Red Pine | | Trace | Variable | Sapling | |
| Yellow Birch | | 1 | Log/Pole | 10 | | Sugar Maple | | Low | >20 feet | Sapling | |
| Sugar Maple | | 58 | Log/Pole/XLog | 10 | 91 | | | | | | |
| White Pine | | 1 | Log/XLog/Pole | 14 | | | | | | | |
| Bigtooth Aspen | | 3 | Log/XLog | 15 | | | | | | | |