



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54174

Entry Year 2025

Acreage: 1,256

County Cheboygan

Management Area: Presque Isle Lake and Till Plains

Stand Examiner: Trevor Kubitskey

Legal Description:

Benton Township
37N 01E Sections 34, 35 & 36

Identified Planning Goals:

To provide for the protection, integrated management and responsible use of a healthy, productive and undiminished forest resource base for the social, recreational, environmental and economic benefit of the State of Michigan.

Soil and topography:

Overall topography is fairly flat with some gentle rolling hills throughout. The transition down into the lowland stands in the North East is quite steep in some areas. The soils are extremely variable, with Kalkaska and East Lake Sands dominating the upland hardwoods. Other scattered types of soils such as Finch Sand, Rosseau Fine Sand, Rubicon Sand, Ocqueoc Sand, and Blue Lake Sands make up a significant portion of the Aspen and Red Pine stands. The lowland stands are dominated by Tawas Peat, Hessel Muck, and Lupton Muck.

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

State ownership within the compartment is contiguous, with the compartment taking up almost 2 square sections. There are larger private parcels to the North and East, with smaller private parcels found to the west, southwest around Twin Lakes. The larger private parcels were old Abitibi Lands. More state land is found directly to the south.

Unique Natural Features:

Close proximity to Twin Lakes provides some potential for large raptor occurrence such as Bald Eagle or Red-Shouldered Hawk. The intermixed lowland complexes within upland stands also create unique habitat features for various wildlife.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

Twin Lakes are just west of the compartment. Black Lake is 2.5 miles south.

Wildlife Habitat Considerations:

This compartment is a mixture of upland and lowland types which provides habitat to black bear, white-tailed deer, ruffed grouse, and woodcock as featured species. Harvests in aspen types should include features that benefit these species including down woody debris and brush piles. There is good potential for rare raptor nesting and nests found will be buffered in any timber harvest.

Mineral Resource and Development Concerns and/or Restrictions

The nearest active sand/gravel pit is three miles south. There appears to be some good potential for sand & gravel within the compartment, on the uplands. No known potential exists for oil & gas from known producing formations in this area. There is no known metallic mineral potential in this part of the state. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

Krouse Rd, Sand Cut Rd and Alpena State Rd offer good access to and within the compartment. Various forest roads and ORV/Snowmobile trails also provide good access into areas of the compartment.

Survey Needs:

No survey needs at this time. A survey in the NE1/4 of Section 34 will be needed for future management.

Recreational Facilities and Opportunities:

The Snowmobile trail (LP_99) and the Black Lake ORV Trail are present within the compartment that offer both summer and winter riding opportunities. With the variety of forest types, the compartment provides good hunting opportunities for small game and big game.

Fire Protection:

With the compartment mostly made up of upland hardwoods and aspen, the potential for extreme fire behavior is low. If wildfire response is needed, the good network of roads within the compartment will provide first responders with quick access.

Additional Compartment Information:

None.

The following reports from the Inventory are attached:

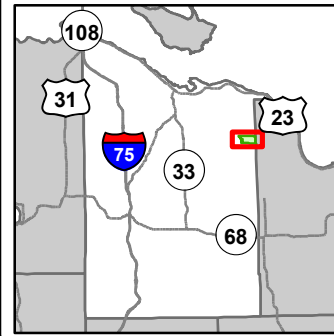
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

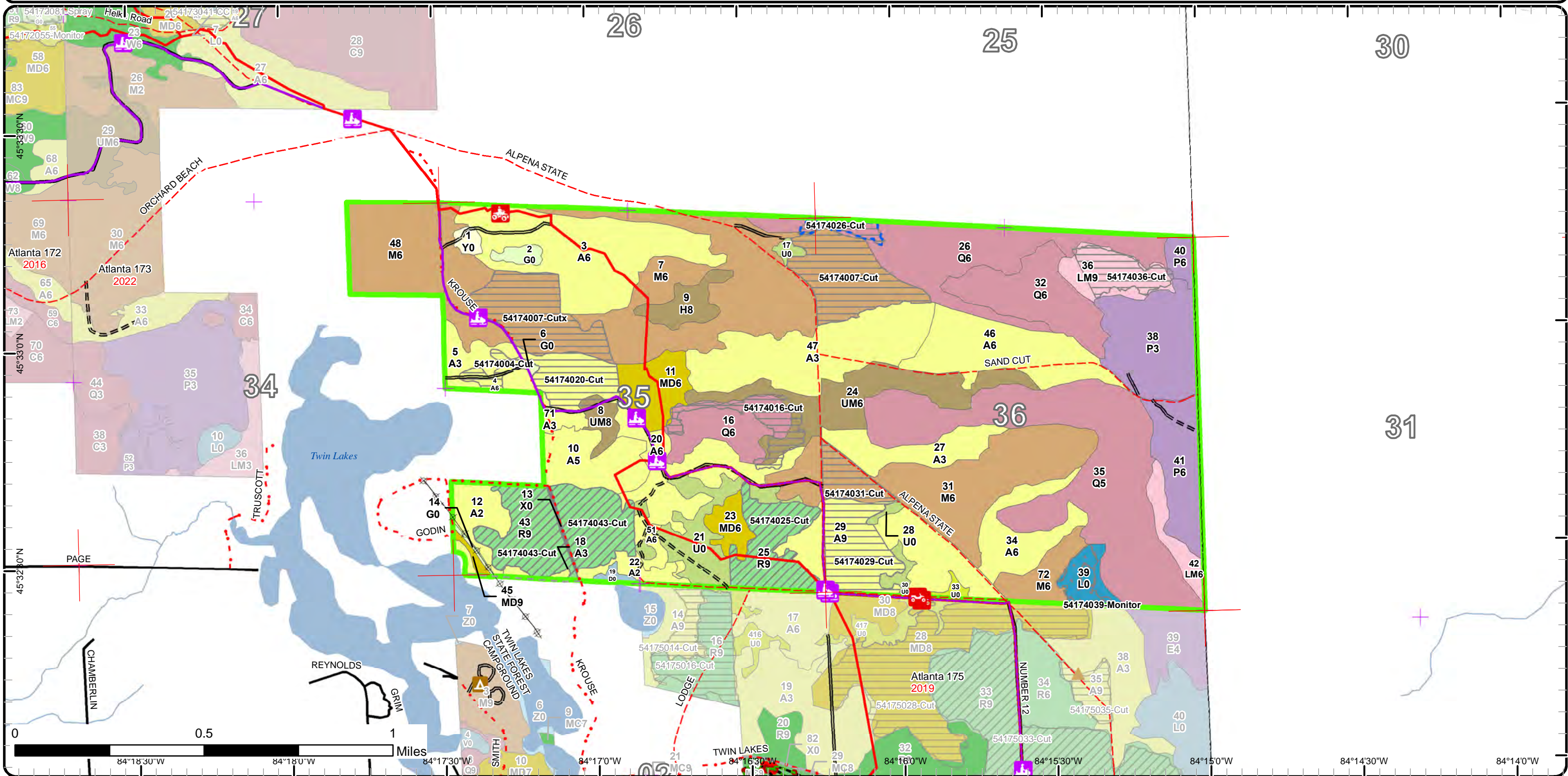
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 174
 T37N, R01E, Sec: 34-36
 County: Cheboygan
 Unit: Atlanta
 Mgmt Area: Presque Isle Lake and Till Plains
 YOE: 2025
 Acres: 1255.5 GIS Calculated
 Examiner: Trevor Kubitskey
 Map Revised: 6/12/2023
 Map Phase: Review

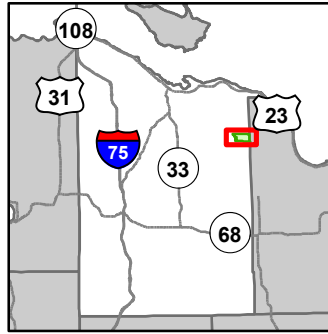


- | | | |
|---|-------------------------------------|----------------------------------|
| — Miris Corners | — Designated ORV Route | 413 - Aspen |
| + Remonumented Section Corners | — Designated Snowmobile Trails | 419 - Mixed Upland Deciduous |
| --- Counties | ▲ Berms | 421 - Planted Pines |
| == DNR - Secondary Forest Road | ▲ Campground | 430 - Upland Mixed Forest |
| == DNR - Forest Access Route | ● Sign | 611 - Lowland Deciduous Forest |
| — Federal / State / County - Paved Road | — Lake/Pond | 612 - Lowland Coniferous Forest |
| - - - County - Gravel Road | — Perennial River | 613 - Lowland Mixed Forest |
| - - - County - Dirt Road (Seasonal) | — Lakes and Rivers | 122 - Roads/Parking Lot |
| - - - Private - Dirt / Gravel Road | — Powerline | 310 - Herbaceous Openland |
| 🚙 ORV Trails | 🟩 Compartment Boundary | 320 - Upland Shrub |
| 🚙 ORV Routes | 🟦 Treatments with Site Conditions | 330 - Low Density Trees |
| 🛷 Snowmobile Trails | 🟨 Clearcut (w/Reserves) | 622 - Lowland Shrub |
| — Designated ATV | 🟩 Thinning (Crown, Low, Systematic) | 629 - Mixed Non-forested Wetland |
| | 🟩 Regeneration Survey | 710 - Sand/Soil |
| | 🟩 411 - Northern Hardwood | |

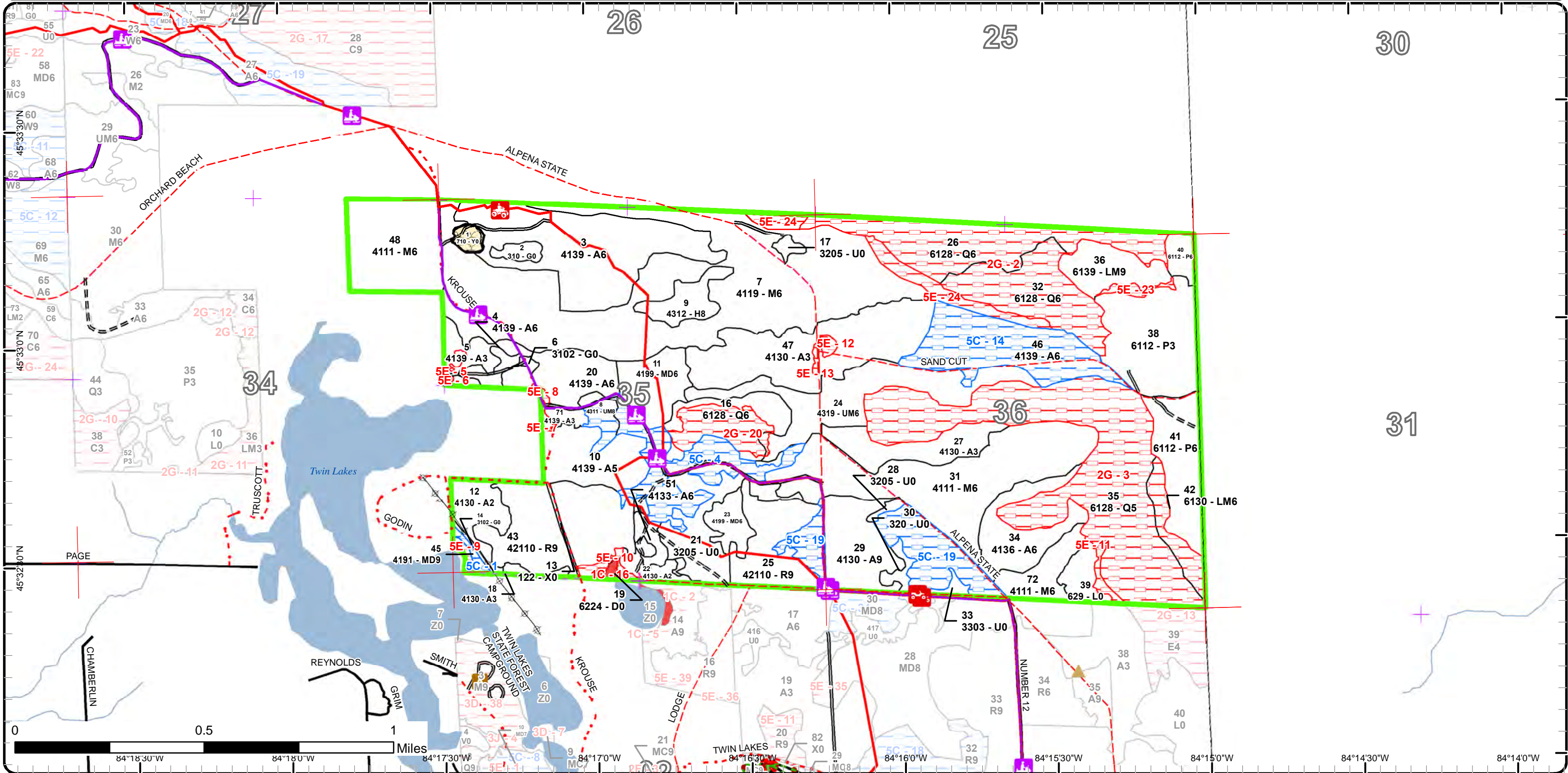


Special Conservation Areas

Compartment: 174
 T37N, R01E, Sec: 34-36
 County: Cheboygan
 Unit: Atlanta
 Mgmt Area: Presque Isle Lake and Till Plains
 YOE: 2025
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- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
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- Federal / State / County - Paved Road
- County - Gravel Road
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- 🚙 ORV Routes
- 🚙 Snowmobile Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- ▲ Berms
- ▲ Campground
- Sign
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 1C: Other dept or div proc/practices
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA Removal
- Ecological Reference Areas
- Sand or Gravel Pit



Report 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit

Compartment 174 Year of Entry 2025

Trevor Kubitskey : Examiner



Age Class

| | Non-Forest | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | 90-99 | 100-109 | 110-119 | 120-129 | 130-139 | 140-149 | 150+ | Uneven-Aged | Total |
|-----------------------------|------------|-----------|-----------|-----------|------------|------------|-----------|------------|----------|----------|------------|----------|-----------|----------|----------|----------|----------|-------------|-------------|
| Aspen | 0 | 98 | 0 | 22 | 112 | 104 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 393 |
| Hemlock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| Herbaceous Openland | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Low-Density Trees | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Lowland Aspen/Balsam Poplar | 0 | 0 | 42 | 0 | 28 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 242 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 242 |
| Lowland Mixed Forest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 29 |
| Lowland Shrub | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Mixed Upland Deciduous | 0 | 0 | 0 | 0 | 9 | 18 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| Northern Hardwood | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 0 | 0 | 257 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 296 |
| Red Pine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 |
| Sand, Soil | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Treed Bog | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Upland Mixed Forest | 0 | 0 | 0 | 0 | 0 | 43 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 |
| Upland Shrub | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| Urban | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 55 | 98 | 42 | 22 | 149 | 171 | 57 | 119 | 0 | 0 | 522 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 1253 |



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 174

Total Compartment Acres: 1,256

Commercial Harvest - 194
 Harvests with Site Condition - 4
 Next Step Harvest - 0
 Habitat Cut - 32

Cover Type by Harvest Method

| | Clearcut | Selection | Patch Clearcut | Seed Tree | Shelterwood | Thinning | Overstory Removal | Salvage | Other | Total Acres |
|----------------------|------------|-----------|----------------|-----------|-------------|-----------|-------------------|----------|----------|-------------|
| Aspen | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 |
| Lowland Conifers | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| Lowland Mixed Forest | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| Northern Hardwood | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 |
| Red Pine | 0 | 0 | 0 | 0 | 0 | 74 | 0 | 0 | 0 | 74 |
| Total | 156 | 0 | 0 | 0 | 0 | 74 | 0 | 0 | 0 | 230 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|------------|-----------|-----------|----------|----------|-----------|------------|----------|-----------------|-------------|
| Current | 230 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 237 |
| Next Step | 0 | 64 | 64 | 0 | 0 | 64 | 219 | 0 | 0 | 411 |
| Total | 230 | 64 | 64 | 0 | 0 | 64 | 227 | 0 | 0 | 648 |



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

Proposed Treatments:

| | | | | | | | | | | | |
|--|----------------------|------|---------------------------------|-----------------|----|--------|---------|-------------------------|-------------------------------------|-----------|-----|
| 4 | 54174004-Cut | 4.5 | 4139 - Aspen, Mixed Deciduous | Poletimber Well | 45 | 81-110 | Harvest | Clearcut | 4139 - Aspen, Mixed Deciduous | Even-Aged | No |
| <p><u>Prescription Specs:</u> Final harvest 2" DBH and up. No retention due to small stand size. Do not cut any conifers. Drumming log spec and snowmobile trail protection spec</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Aspen with a minor component of mixed hardwood not dominated by beech and/or ironwood.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p> | | | | | | | | | | | |
| 7 | 54174007-Cut | 32.2 | 4119 - Mixed Northern Hardwoods | Poletimber Well | 95 | 81-110 | Harvest | Clearcut with Retention | 4199 - Other Mixed Upland Deciduous | Even-Aged | No |
| <p><u>Prescription Specs:</u> Final Harvest all stems 2" DBH and up. Standard Retention placed around mixed conifers, hemlock or mast producing Oak. Wildlife shrub protection spec and Oak wilt specs if necessary.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any amount of desirable species such as Sugar Maple, Aspen, Oak, Birch, mixed pine, Cherry that meet minimum stocking criteria. Stand should not be dominated by Ironwood and/or beech.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p> | | | | | | | | | | | |
| 7 | 54174007-Cutx | 31.9 | 4119 - Mixed Northern Hardwoods | Poletimber Well | 95 | 81-110 | Harvest | Clearcut with Retention | 4199 - Other Mixed Upland Deciduous | Even-Aged | Yes |
| <p><u>Prescription Specs:</u> Final Harvest all tree 2" DBH and up. 5-10% Retention focused around Mast producing oak. Do not cut any White Pine or Hemlock. Low stumps required for potential Red Pine planting. Chipping spec.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory); SitePrep, Roller Chopping; Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Skidder - Release; Planting, Interplant; Monit</p> <p><u>Acceptable Regen:</u> Any amount of desirable regen such as Red Maple, Sugar Maple, Oak, Aspen, and Cherry that meets minimum stocking criteria. Stand should not be dominated by Ironwood and/or Beech.</p> <p>If stand fails, look to swap covertypes by planting Red Pine in this area and converting the Pine stand to the south to Hardwoods.</p> <p><u>Other Comment:</u> Oak wilt specs if necessary. Snowmobile trail specs.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p> | | | | | | | | | | | |



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| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|--|-------|---------------------------------------|-----------------|-----------|----------|----------------|-------------------------|-------------------------------------|---------------|-------------|
| 20 54174020-Cut | 18.7 | 4139 - Aspen, Mixed Deciduous | Poletimber Well | 45 | 111-140 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | No |
| <p><u>Prescription</u> Final harvest all stems 2" DBH and up. 3-5% retention. Do NOT cut any Red or White Pine. Add drumming log spec, wildlife shrub protection spec, raptor spec and snowmobile trail protection spec. Run red line into adjacent hardwood stand to encourage the regeneration of mixed hardwood species.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Moderately stocked aspen with a minor component of mixed hardwoods and conifers.</p> <p><u>Other Comment:</u> Mark to leave Red/White Pine if needed.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p> | | | | | | | | | | |
| 25 54174025-Cut | 25.8 | 42110 - Planted Red Pine | Sawtimber Well | 65 | 141-170 | Harvest | Crown Thinning | 4211 - Planted Red Pine | Even-Aged | No |
| <p><u>Prescription</u> Thin stand down to ~120 sq ft. Where possible, thin from above to release smaller diameter co-dominant stems. Try to protect as much Sugar Maple and Oak Saplings as possible.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Red Pine. Goal is to try to convert this to natural mixed hardwoods.</p> <p><u>Other Comment:</u> Trail protection specs and Oak wilt specs if necessary.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p> | | | | | | | | | | |
| 29 54174029-Cut | 25.9 | 4130 - Aspen | Sawtimber Well | 50 | 81-110 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | No |
| <p><u>Prescription</u> Final harvest all stems 2" DBH and up. Do NOT cut Hemlock. Standard retention placed around mature, large crowned Oak and mixed Pine/conifers.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Moderately stocked aspen with a minor component of mixed deciduous and conifer.</p> <p><u>Other Comment:</u> Add grouse spec and rec trail protection spec.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p> | | | | | | | | | | |
| 31 54174031-Cut | 10.8 | 4111 - S.Maple, Hard Mast Association | Poletimber Well | 95 | 81-110 | Harvest | Clearcut | 4199 - Other Mixed Upland Deciduous | Even-Aged | No |
| <p><u>Prescription</u> Final Harvest all stems 2" and up. No retention due to small stand size. Do NOT cut Hemlock. Add trail protection specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Mix of aspen, sugar maple, red maple, birch, cherry or other desirable northern hardwood species that meet minimum stocking criteria. If stand is dominated by aspen, accept the regeneration.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p> | | | | | | | | | | |



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| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|---|-------|--------------------------|----------------|-----------|----------|----------------|------------------|-------------------------|---------------|-------------|
| 43 54174043-Cut | 48.3 | 42110 - Planted Red Pine | Sawtimber Well | 65 | 111-140 | Harvest | Crown Thinning | 4211 - Planted Red Pine | Even-Aged | No |
| <p><u>Prescription</u> Thin stand down to ~120 sq ft. Where possible, thin from above to release smaller diameter co-dominant stems. Try to protect as much</p> <p><u>Specs:</u> Sugar Maple and Oak Saplings as possible.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red Pine. Goal is to try to convert this to natural mixed hardwoods.</p> <p><u>Regen:</u></p> <p><u>Other</u> Trail protection specs and Oak wilt specs if necessary.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p> | | | | | | | | | | |

Approved Treatments:

| | | | | | | | | | | |
|---|------|--|-----------------|----|---------|---------|-------------------------|--|-----------|----|
| 16 54174016-Cut | 14.1 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Well | 93 | 81-110 | Harvest | Clearcut with Retention | 6128 - Lowland Coniferous, Mixed Deciduous | Even-Aged | No |
| <p><u>Prescription</u> Clearcut, leave pockets of cedar. Treatment acres may be smaller than prescribed due to extremely wet areas. Cut in the winter or dry</p> <p><u>Specs:</u> summer. Use a 3-4 year timber sale contract. Leave a few large "super" canopy white pines. Watch for stick nests and follow guidelines if any are found. Use trail specs.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Moderate or better stocking level of fir, spruce, pine, red maple, aspen, paper birch and cedar.</p> <p><u>Regen:</u></p> <p><u>Other</u> Formally PU3 of 'Alpena State SBW', 54001161. Sold but went unharvested.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p> | | | | | | | | | | |
| 26 54174026-Cut | 4.2 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Well | 95 | 111-140 | Harvest | Clearcut with Retention | 6128 - Lowland Coniferous, Mixed Deciduous | Even-Aged | No |
| <p><u>Prescription</u> Clearcut, leave pockets of cedar for retention (approx 10% of stand area). Treatment acres may be smaller then prescribed due to extremely</p> <p><u>Specs:</u> wet areas. Exclude steep slopes along the west edge of the stand. Cut in the winter or dry summer. Use a 3-4 year timber sale contract. Use short wood spec and leave tops for traction and rutting. watch for stick nests and follow guidelines if any are found. create brush piles on high ground when possible for hares.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Moderate or better stocking level mixture of fir, spruce, cedar, hemlock, aspen, red maple and birch.</p> <p><u>Regen:</u></p> <p><u>Other</u> Formally PU1 of 'Alpena State SBW', 54001161. Sold but went unharvested</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Too Wet</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p> | | | | | | | | | | |



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| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|--|-------|----------------------------------|----------------|-----------|-------------|----------------|------------------------------|--|---------------|-------------|
| 36 54174036-Cut | 13.2 | 6139 - Mixed Lowland Forest | Sawtimber Well | 110 | 111-140 | Harvest | Clearcut with Retention | 6128 - Lowland Coniferous, Mixed Deciduous | Even-Aged | No |
| <p><u>Prescription</u> Clearcut, leave pockets of cedar for retention (approx 10% of stand area). Treatment acres may be smaller then prescribed due to extremely wet areas. Cut in the winter or dry summer. Use a 3-4 year timber sale contract. Use short wood spec and leave tops for traction and rutting. watch for stick nests and follow guidelines if any are found. create brush piles on high ground when possible for hares.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Moderate or better stocking level mixture of fir, spruce, red maple, aspen, birch and cedar.</p> <p><u>Other Comment:</u> Formally PU2 of 'Alpena State SBW', 54001161. Sold but went unharvested.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p> | | | | | | | | | | |
| 39 54174039-Monitor | 7.6 | 629 - Mixed non-forested wetland | Nonstocked | 0 | Unspecified | Monitoring | Natural Regen (Intermediate) | 6132 - Mixed Lowland Forest with Cedar | Even-Aged | No |
| <p><u>Prescription</u> Monitor.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Medium to well stocked stand of lowland hardwoods and mixed lowland conifer.</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p> | | | | | | | | | | |

Total Treatment Acreage Proposed: 237.2

Report 4 – Site Conditions

Atlanta Mgt. Unit
Trevor Kubitskey : Examiner

Compartment: 174
Year of Entry: 2025

Availability for Management

| Total Acres | Acres Available | Acres Avail | | Dominant Site Conditions | 5C | 1C | 2G | 5E |
|----------------|--------------------|----------------|---------------|-----------------------------|------------|----|-----|----|
| | | With Condition | Not Available | | | | | |
| 394 | 278 | 107 | 9 | Aspen | 107 | 0 | 0 | 9 |
| 11 | 11 | 0 | 0 | Hemlock | | | | |
| 5 | 5 | 0 | 0 | Herbaceous Openland | | | | |
| 2 | 2 | 0 | 0 | Low-Density Trees | | | | |
| 75 | 75 | 0 | 0 | Lowland Aspen/Balsam Poplar | | | | |
| 242 | 11 | 0 | 231 | Lowland Conifers | | | 218 | 13 |
| 29 | 17 | 0 | 12 | Lowland Mixed Forest | | | 10 | 2 |
| 10 | 8 | 0 | 3 | Lowland Shrub | | | | 3 |
| 29 | 27 | 2 | 0 | Mixed Upland Deciduous | 2 | | | |
| 296 | 296 | 0 | 0 | Northern Hardwood | | | | |
| 74 | 74 | 0 | 0 | Red Pine | | | | |
| 3 | 3 | 0 | 0 | Sand, Soil | | | | |
| 2 | 0 | 0 | 2 | Treed Bog | | 2 | | 0 |
| 49 | 43 | 5 | 1 | Upland Mixed Forest | 5 | | 1 | |
| 32 | 32 | 0 | 0 | Upland Shrub | | | | |
| 1 | 1 | 0 | 0 | Urban | | | | |
| 1,256 | 884 | 114 | 257 | Total Forested Acres | 114 | 2 | 229 | 26 |
| | 70% | 9% | 21% | Relative Percent | | | | |

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

| Site No. | Dominant Site Cond Availability | Dominant Site Condition | Acres | Other Site Condition | Other Site Condition | Other Site Condition | Other Site Condition |
|--|---------------------------------|---|-------|----------------------|----------------------|----------------------|----------------------|
| 1 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Need to hold stand and harvest with adjacent stands. May be an issue with the low powerline. | | | | | | | |

Report 4 – Site Conditions

Atlanta Mgt. Unit

Trevor Kubitskey : Examiner

Compartment: 174

Year of Entry: 2025

| | | | | | | | |
|---|--------------------|---|-----|------------------------------|--|-------------|-------------|
| 2 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 84 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 3 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 129 | 5D: Unproductive Forest Land | 4A: No Markets Available for these Forest Products | Unspecified | Unspecified |
| Comments: Very wet and very slow growing. | | | | | | | |
| 4 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 38 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Hold stands to break up the age class and the structural diversity in the area. | | | | | | | |
| 5 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 6 | Unavailable | 5E: Long-Term Retention | 0 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 7 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 8 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Retention for stand 71 | | | | | | | |

Report 4 – Site Conditions

Atlanta Mgt. Unit
Trevor Kubitskey : Examiner

Compartment: 174
Year of Entry: 2025

| | | | | | | | |
|---|-------------|--|----|---|-------------|-------------|-------------|
| 9 | Unavailable | 5E: Long-Term Retention | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Long Term Retention for stand 12. The parent stand (s45) was left out of the harvest. | | | | | | | |
| 10 | Unavailable | 5E: Long-Term Retention | 2 | 1C: Other dept or div proc/practices | Unspecified | Unspecified | Unspecified |
| Comments: sale 54-022-15-01. 150 ft. buffer on Hoop Lake ERA. | | | | | | | |
| 11 | Unavailable | 5E: Long-Term Retention | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 12 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Retention for stand 47. | | | | | | | |
| 13 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 14 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 43 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Hold. Should be harvested with stand 24 to the south. | | | | | | | |
| 16 | Unavailable | 1C: Other dept or div proc/practices | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Hoop Lake Bog ERA. | | | | | | | |

Report 4 – Site Conditions

Atlanta Mgt. Unit

Trevor Kubitskey : Examiner

Compartment: 174

Year of Entry: 2025

| | | | | | | | |
|---|--------------------|---|----|--|---|-------------|-------------|
| 19 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 32 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Overall smaller diameters. Healthy enough to hold another 10. Hold to break up the age class. West half should be treated with the adjacent stands, East half should be held due to green up concerns with stand 28 to the south. | | | | | | | |
| 20 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 16 | 5F: Evaluated for Forest Health Considerations | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 23 | Unavailable | 5E: Long-Term Retention | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 24 | Unavailable | 5E: Long-Term Retention | 13 | 2F: Too steep | 3J: Water quality / BMPs (stream, river, or lake) | Unspecified | Unspecified |
| Comments: | | | | | | | |



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 |
|---|-----------------------|--------------------|--------------------|-------|
| Cheboygan County Road Commission | Mineral Resource Area | Sand or Gravel Pit | SCA Removal | 3 |
| Comments | | | | |
| Old Gravel pit that was leased to the Cheboygan county Road commission. The lease was released Feb 2015. Krouse Rd Pit. LOTS Lease #130 | | | | |



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 |
|-------------------|----------------------------|--|
| ERA | Ecological Reference Areas | Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form. |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------------|---|------------|------------|-------------|--------------------|--|-------------|----------|-----------------|-----|-------------|------------|--------------|-----|----------|-------------|-------------|----------|-------------|---------|----------------|--------|-------------|---------|---------|------------|----------|------|------------|-----|----------------|---------|----------------|-----|--------------|-----------|------------|----------|----------|---------|--|---|--------------|---|--------------------|-------------|-------------|------|-------------|-----|--------------|---------|------------|--------|-------------|---------|-----------|--------------|-------------|---------|---|-----|-------------|---------|--------------------|---------|-------------|------------|-------------|------|--------------|---------|----------|--------|-------------|---------|-------------|-----|-------------|---------|-----------|--------|-------------|---------|-------|-----|-------------|---------|----------|-----|-------------|---------|------------|-----|----------|---------|
| 1 | 710 - Sand, Soil | Nonstocked | 2.9 | | Unspecified | No | Old Gravel pit that was leased to the Cheboygan County Road Commission. Lease was terminated in 2015. Currently a makeshift ORV scramble area. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 310 - Herbaceous Openland | Nonstocked | 3.4 | | Unspecified | No | Unsure on history; possible old landing or natural opening. Scattered conifers on the edges with aspen and cherry scattered throughout. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <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>Hawthorn (spp.)</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Hemlock</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Paper Birch</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Trace</td> <td>>20 feet</td> <td>Log</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | | | Sub-Canopy Species | Density | Avg. Height | Size | Hawthorn (spp.) | Low | 5 - 10 feet | Tall Shrub | Hemlock | Low | < 5 feet | Sapling | Paper Birch | Low | 5 - 10 feet | Sapling | Black Cherry | Medium | 5 - 10 feet | Sapling | Red Oak | Trace | >20 feet | Log | White Pine | Low | Variable | Sapling | Bigtooth Aspen | Low | 10 - 20 feet | Sapling | Balsam Fir | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hawthorn (spp.) | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemlock | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Trace | >20 feet | Log | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 4139 - Aspen, Mixed Deciduous | Poletimber Well | 65.4 | 38 | 81-110 | N/A | Harvested in 1985. Rolling topo. Sugar maple has established well and has recruited well into the canopy in areas. It seems that the quality slightly decreases moving from east to west. Definitely a minor change in soil type moving to the west due to more ash, birch and overall quality of aspen. Oak is present but is a very minor component; mostly observed in small pockets with 2 or 3 single stems that have recruited well. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | 4 | Pole | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 18 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 2 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 10 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basswood | 2 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 50 | Pole | 7 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemlock | 1 | Log | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 2 | Sapling/Pole | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 8 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 1 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 2 | Pole/Sapling | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | High | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Ash | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basswood | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 4139 - Aspen, Mixed Deciduous | Poletimber Well | 4.5 | 45 | 81-110 | N/A | Split out from stand 5 due to not being retention and meeting mapping standards. This portion was excluded from the timber sale in 2018. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 9 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 12 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 8 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 45 | Pole/Log | 9 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 2 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 4 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 20 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hawthorn (spp.) | Low | < 5 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------------|--------------------|------------|-------------|-------------|--------------|--|-------------|----------|------------|-----------------|-----|-------------|------------|----------|----|--|----------------|----|--------------|----|--|-------------|---|----------|---|--|------------|---|---------|---|--|-------------|----|----------|---|--|----------------|----|----------|---|----|----------------|----|---------------|----|----|--|---|--------------------|---------|-------------|--|----------------------|--------------------|-------------|-------------|--------------------------|---------|--------------|--------------|-------------|------------|--------------|-------------|-------------|-----------------|-------------|-------------|------------|-------------|-------------|----------|----------------------|-----------|-------------|-------------|---------|---------|-----|----------|---------|-------|------|-------------|---------|----------|------|-------------|---------|
| 5 | 4139 - Aspen, Mixed Deciduous | Sapling Well | 10.7 | 5 | Immature | N/A | Stand was harvested in 2018 under contract 54-022-15 Krouse Grouse aspen. Very nice aspen, hardwood mix. Stand is regenerating very well with sugar maple and oak establishing on the edges. Pockets of raspberry. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 4 | Sapling | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | 10 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 8 | Sapling/Pole | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 9 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 2 | Sapling | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 20 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 45 | Sapling | 1 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 2 | Sapling | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blackberry/Raspberry | Medium | < 5 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | Medium | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern White Cedar | Trace | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 3102 - Grass | Nonstocked | 0.9 | | Unspecified | No | Natural opening. Filling in with Sumac. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Smooth Sumac | High | Variable | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hawthorn (spp.) | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 4119 - Mixed Northern Hardwoods | Poletimber Well | 166.3 | 95 | 81-110 | N/A | Large, highly variable stand. The only consistency is the beech brush and that the overstory beech is in extremely rough shape. Stand essentially transitions in and out of beech, red maple, into pockets of sugar maple poles then into areas of Log/Xlog Oak, basswood, aspen and sugar maple. There is so much variability that it would be difficult to delineate out desirable pockets. Few scattered healthy beech observed. Lots of cavity trees observed as well. Majority of the sugar maple saps are under over mature aspen and hemlocks. The areas of 'better' quality sugar maple stems are not dense enough to warrant a thinning. Majority of the stand is in rough shape as well, lots of epicormic branching and noticeable cankers/wounds on the sugar maple. Very few crop trees observed. Far east portion across Alpena St Rd contains a heavier aspen/birch component with a nice conifer influence. Better sugar maple near Q-type edge. Small pocket of Red Oak Logs in the SW near Krause rd. Thinned in 2009. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 10 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basswood | 10 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 19 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 5 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 2 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemlock | 2 | Pole/Log | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 40 | Pole/Log | 8 | 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 10 | Log | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 2 | Log/Pole/XLog | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hawthorn (spp.) | Trace | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Ash | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemlock | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Full | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | High | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 4311 - Pine, Aspen Mix | Sawtimber Medium | 6.3 | 60 | 111-140 | N/A | Stand is naturally transitioning out of Red Pine. R8/7 with an A5/MD5. Some pockets of overmature aspen but mostly pole aspen, birch and maple. A small inclusion of hemlock in the south. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 8 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 3 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 25 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 2 | Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemlock | 2 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 5 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 5 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 50 | Log/Pole/XLog | 14 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Serviceberry (Juneberry) | Medium | 10 - 20 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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

| | | | | | | | |
|----------|---------------------------------|------------------|------|----|-------|-----|---|
| 9 | 4312 - Hemlock, Mixed Deciduous | Sawtimber Medium | 11.3 | 95 | 51-80 | N/A | Upland Hemlock island. Would consider still upland but does sit somewhat in a depression. Varying size hemlocks from small poles to Xlog 20" plus. Healthy stand with a good mixed hardwood component. Did not core the Hemlock so age was based on previous inventory from the adjacent Sugar Maple. |
|----------|---------------------------------|------------------|------|----|-------|-----|---|

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------|---------|---------------|-----|-----|--------------------|---------|--------------|---------|
| Sugar Maple | 16 | Log/Pole | 13 | 95 | Sugar Maple | Low | Variable | Sapling |
| Beech | 5 | Log/Pole | 13 | | Beech | Medium | 5 - 10 feet | Sapling |
| Basswood | 5 | Log/Pole | 12 | | Hemlock | Medium | Variable | Sapling |
| Bigtooth Aspen | 2 | Log/Pole | 12 | | Bigtooth Aspen | Low | 10 - 20 feet | Sapling |
| Paper Birch | 5 | Pole | 7 | | Paper Birch | Low | 10 - 20 feet | Sapling |
| Red Maple | 5 | Pole | 7 | | Ironwood | Medium | 5 - 10 feet | Sapling |
| Red Oak | 7 | Log/Pole | 10 | | | | | |
| Hemlock | 55 | Log/Pole/XLog | 13 | 95 | | | | |

| | | | | | | | |
|-----------|-------------------------------|-------------------|------|----|--------|-----|--|
| 10 | 4139 - Aspen, Mixed Deciduous | Poletimber Medium | 24.1 | 38 | 81-110 | N/A | Somewhat broken stand. Variable stocking, and diameters. Nice wildlife stand due to the high densities of scattered shrubs as well as the open grown conifer component providing some cover. |
|-----------|-------------------------------|-------------------|------|----|--------|-----|--|

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------|---------|--------------|-----|-----|--------------------------|---------|--------------|------------|
| Balsam Fir | 2 | Pole/Sapling | 6 | | Black Cherry | Low | 5 - 10 feet | Tall Shrub |
| Sugar Maple | 5 | Sapling/Pole | 4 | | Hawthorn (spp.) | Medium | 5 - 10 feet | Tall Shrub |
| Red Pine | 3 | Pole | 8 | | Red Maple | Medium | 5 - 10 feet | Sapling |
| Red Maple | 5 | Pole/Sapling | 6 | | Serviceberry (Juneberry) | Medium | Variable | Sapling |
| Ironwood | 6 | Sapling/Pole | 3 | | Hemlock | Low | 10 - 20 feet | Sapling |
| Quaking Aspen | 15 | Pole | 6 | | Honeysuckle (spp.) | Medium | < 5 feet | Tall Shrub |
| Bigtooth Aspen | 40 | Pole | 6 | 38 | Red Pine | Low | < 5 feet | Sapling |
| White Pine | 2 | Log/Pole/Sap | 10 | | Leatherwood | Medium | < 5 feet | Tall Shrub |
| Paper Birch | 6 | Pole/Sapling | 6 | | Blackberry/Raspberry | Low | < 5 feet | Tall Shrub |
| Basswood | 2 | Pole | 7 | | | | | |
| Beech | 6 | Sapling/Pole | 5 | | | | | |
| Red Oak | 8 | Pole/Log | 8 | | | | | |

| | | | | | | | |
|-----------|-------------------------------------|-----------------|------|----|--------|-----|---|
| 11 | 4199 - Other Mixed Upland Deciduous | Poletimber Well | 18.3 | 45 | 81-110 | N/A | Split out of stand 20. Cut at the same time but this portion regenerated more towards mixed deciduous. Heavy hardwood influence. Aspen stocking is more inconsistent. More true hardwood stand in the south, transitioning into more aspen in the north. Scattered Log Oak and Sugar Maple. 2018 or 2020 NAIP CIR shows the heavy hardwood influence compared to the adjacent stand 20. |
|-----------|-------------------------------------|-----------------|------|----|--------|-----|---|

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------|---------|------------|-----|-----|--------------------|---------|-------------|---------|
| Paper Birch | 5 | Pole | 7 | | Red Maple | Medium | Variable | Sapling |
| Bigtooth Aspen | 20 | Pole/Log | 8 | 45 | Balsam Fir | Low | Variable | Sapling |
| Balsam Fir | 8 | Pole | 8 | | Beech | Low | Variable | Sapling |
| White Pine | 2 | Log | 16 | | | | | |
| Red Oak | 15 | Log/Pole | 12 | | | | | |
| Sugar Maple | 25 | Pole/Log | 8 | 45 | | | | |
| Red Pine | 1 | Log | 15 | | | | | |
| Beech | 8 | Pole/Log | 9 | | | | | |
| Red Maple | 15 | Pole | 8 | | | | | |
| Hemlock | 1 | Log/Pole | 13 | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--------------------|------------|-------------|-------------|--------------|--|----------------|----------|--------------|-----------------|-----|----------------|------------|--------------|-----|----------|-------------|--------------|--------------|-------------|------------|---------------|----|--------------|---|----|----------------------|----|--------------|---|--|--|----|--------------------|---------|-------------|---|-----------|--------------------|-------------|-------------|---|-------------|--------------------|------------|-------------|--------|-------------|----------|----------|----------------------|------------|----------|------------|-----------|-------------|----------|--------------|---------|-----------|-----|-------------|------------|-----------|--------|-------------|---------|
| 12 | 4130 - Aspen | Sapling Medium | 14.5 | 5 | Immature | N/A | Harvested in 2018 under contract 54-022-15 Krouse Grouse Aspen. Stand is regenerating well in the majority of the stand. The southern portions are a little behind. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 60 | Sapling | 1 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | 5 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 10 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 10 | Sapling/Pole | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 10 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 5 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blackberry/Raspberry | Medium | < 5 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Ash | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 122 - Road/Parking Lot | Nonstocked | 1.1 | | Unspecified | No | Krouse Rd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 3102 - Grass | Nonstocked | 1.0 | | Unspecified | No | Powerline right-of-way. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Well | 25.9 | 93 | 81-110 | N/A | Edges are operable. Central portions are significantly wetter. Far west portion near the ORV trail contains a small seep that comes out of the hill; somewhat flowing water. Portions of this stand are under a timber sale contract; "Friends in Lowland Places." | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemlock | 5 | Log | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 10 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 5 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 15 | Pole | 7 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern White Cedar | 10 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | 10 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 15 | Pole/Log/Sap | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag Alder | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Ash | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 3205 - Mixed Upland Shrub | Nonstocked | 2.0 | | Unspecified | No | Inventory was done with snow on conditions so I was not able to identify any ground vegetation (potential for invasive knapweed, etc.) Possible old landing or natural opening. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hawthorn (spp.) | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Smooth Sumac | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 4130 - Aspen | Sapling Well | 2.0 | 25 | 1-50 | N/A | Unsure on history of stand (no cutting records) but appears that it was cut in the 1990's. Most likely will be harvested with the adjacent red pine. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>85</td> <td>Sapling/Pole</td> <td>4</td> <td>25</td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>3</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Sugar Maple | 5 | Pole/Sapling | 5 | | Bigtooth Aspen | 85 | Sapling/Pole | 4 | 25 | Red Pine | 2 | Pole/Sapling | 5 | | Red Oak | 3 | Pole/Sapling | 5 | | Red Maple | 5 | 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>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Blackberry/Raspberry</td> <td>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Red Maple | Low | 5 - 10 feet | Sapling | Blackberry/Raspberry | Low | < 5 feet | Tall Shrub | Beech | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 5 | Pole/Sapling | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 85 | Sapling/Pole | 4 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 2 | Pole/Sapling | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 3 | Pole/Sapling | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 5 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blackberry/Raspberry | Low | < 5 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | |
|-------|-------------------------------|---------------------------|----------------|--------------------|-------------|--------------|--|--|--|
| 19 | 6224 - Treed Bog | Nonstocked | 1.9 | | Unspecified | No | Small wetland inclusion contains scattered white pine, birch and alder. Somewhat transitional zone into the adjacent pond. Stand contains the Hoop Lake Bog ERA. | | |
| | | Sub-Canopy Species | Density | Avg. Height | Size | | | | |
| | | White Pine | Medium | 10 - 20 feet | Sapling | | | | |
| | | Tag Alder | Medium | 5 - 10 feet | Tall Shrub | | | | |
| | | Leatherleaf | High | < 5 feet | Tall Shrub | | | | |
| | | Paper Birch | Low | 10 - 20 feet | Sapling | | | | |
| 20 | 4139 - Aspen, Mixed Deciduous | Poletimber Well | 50.8 | 45 | 111-140 | N/A | Stand was harvested in the 70's. Variable stand. NW portion is the highest quality with diameters averaging around 10". Southern portions contain more of the mixed hardwood/conifer component with smaller diameters. Portions in the sliver south of stand 16 do contain some 'lower' ground with small dune and swale type topography. Definitely wet in portions. The portion that extends out into stand 21 contains more consistent aspen stocking with scattered overstory white pines and scattered log sugar maple and red oak. Overall stand is fairly well stocked. | | |
| | | Canopy Species | % Cover | Size Class | DBH | Age | | | |
| | | Paper Birch | 5 | Pole/Log | 8 | | | | |
| | | Bigtooth Aspen | 48 | Pole/Log | 9 | 45 | | | |
| | | Balsam Fir | 5 | Pole | 7 | | | | |
| | | White Pine | 3 | Log/Pole/XLog | 16 | | | | |
| | | Red Oak | 5 | Log/Pole | 10 | | | | |
| | | Red Pine | 2 | Log | 12 | | | | |
| | | Sugar Maple | 10 | Pole | 8 | | | | |
| | | Quaking Aspen | 7 | Pole/Log | 8 | | | | |
| | | Red Maple | 10 | Pole | 7 | | | | |
| | | Basswood | 3 | Pole | 7 | | | | |
| | | Beech | 2 | Pole | 6 | | | | |
| | | Sub-Canopy Species | Density | Avg. Height | Size | | | | |
| | | Red Oak | Low | 5 - 10 feet | Sapling | | | | |
| | | Hawthorn (spp.) | Low | 5 - 10 feet | Tall Shrub | | | | |
| | | Beech | Low | 5 - 10 feet | Sapling | | | | |
| | | Red Maple | Medium | 10 - 20 feet | Sapling | | | | |
| | | Balsam Fir | Low | Variable | Sapling | | | | |
| | | Sugar Maple | Medium | 10 - 20 feet | Sapling | | | | |
| 21 | 3205 - Mixed Upland Shrub | Nonstocked | 25.6 | | Unspecified | No | Brushy opening. Scattered Log Sugar Maple and Oak, with some small clones of aspen and birch. Sumac is beginning to take over most of the opening. | | |
| | | Sub-Canopy Species | Density | Avg. Height | Size | | | | |
| | | Hawthorn (spp.) | Medium | 5 - 10 feet | Tall Shrub | | | | |
| | | Red Oak | Trace | >20 feet | Log | | | | |
| | | Sugar Maple | Trace | >20 feet | Log | | | | |
| | | Paper Birch | Low | 10 - 20 feet | Sapling | | | | |
| | | Quaking Aspen | Low | >20 feet | Pole | | | | |
| | | Black Cherry | Medium | 5 - 10 feet | Tall Shrub | | | | |
| | | Smooth Sumac | High | 5 - 10 feet | Tall Shrub | | | | |
| | | Juniper | Low | < 5 feet | Tall Shrub | | | | |
| | | White Pine | Medium | Variable | Sapling | | | | |
| | | Blackberry/Raspberry | Medium | < 5 feet | Tall Shrub | | | | |
| 22 | 4130 - Aspen | Sapling Medium | 7.7 | 5 | Immature | N/A | Harvested in 2018 under contract 54-022-15 Krouse Grouse Aspen. Good stocking in the west transitioning to more scrubby, less dense in the central/east portions; possibly heavier to Oak and less aspen. | | |
| | | Canopy Species | % Cover | Size Class | DBH | Age | | | |
| | | Red Maple | 25 | Sapling | 1 | | | | |
| | | Bigtooth Aspen | 65 | Sapling | 1 | 5 | | | |
| | | White Pine | 5 | Sapling | 1 | | | | |
| | | Red Oak | 5 | Sapling/Pole | 1 | | | | |
| | | Sub-Canopy Species | Density | Avg. Height | Size | | | | |
| | | Blackberry/Raspberry | Low | < 5 feet | Tall Shrub | | | | |
| | | Beech | Low | < 5 feet | Sapling | | | | |
| | | White Pine | Low | < 5 feet | Sapling | | | | |
| | | Red Pine | Trace | < 5 feet | Sapling | | | | |



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

23 4199 - Other Mixed Upland Deciduous Poletimber Well 8.5 35 81-110 N/A Transitions in and out of aspen and mixed hardwood. Small quaking aspen clone observed. Nice quality Oak stems throughout.

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------|---------|------------|-----|-----|--------------------------|---------|--------------|------------|
| Ironwood | 5 | Pole | 6 | | White Pine | Low | Variable | Sapling |
| Bigtooth Aspen | 30 | Pole | 7 | 35 | Red Maple | Low | 5 - 10 feet | Sapling |
| Balsam Fir | 3 | Pole/Log | 8 | | Hawthorn (spp.) | Low | < 5 feet | Tall Shrub |
| White Pine | 5 | Pole/Log | 9 | | Balsam Fir | Low | Variable | Sapling |
| Red Oak | 10 | Log/Pole | 10 | | Serviceberry (Juneberry) | Low | 5 - 10 feet | Sapling |
| Paper Birch | 2 | Pole | 7 | | Red Oak | Medium | 10 - 20 feet | Sapling |
| Red Maple | 10 | Pole | 7 | | Sugar Maple | Low | 10 - 20 feet | Sapling |
| Red Pine | 5 | Log/Pole | 10 | | | | | |
| Sugar Maple | 15 | Pole/Log | 9 | | | | | |
| Quaking Aspen | 9 | Pole | 6 | | | | | |
| Beech | 3 | Pole | 7 | | | | | |
| Basswood | 3 | Pole | 7 | | | | | |

24 4319 - Mixed Upland Forest Poletimber Well 43.0 49 141-170 N/A White pine with scattered aspen and mixed deciduous. Overall aspen is healthy, white pine is mostly log, a few scattered xlogs.

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------|---------|---------------|-----|-----|--------------------|---------|-------------|---------|
| Bigtooth Aspen | 20 | Pole | 8 | 44 | White Pine | Low | Variable | Sapling |
| Balsam Fir | 15 | Pole | 7 | | Sugar Maple | Low | 5 - 10 feet | Sapling |
| White Pine | 35 | Log/Pole/XLog | 11 | 49 | Beech | Low | 5 - 10 feet | Sapling |
| Red Oak | 5 | Log/Pole | 12 | | Red Maple | Medium | 5 - 10 feet | Sapling |
| Paper Birch | 5 | Pole/Log | 8 | | Black Cherry | Low | 5 - 10 feet | Sapling |
| Sugar Maple | 5 | Log/Pole | 10 | | Balsam Fir | Medium | Variable | Sapling |
| Red Maple | 15 | Pole | 9 | | | | | |

25 42110 - Planted Red Pine Sawtimber Well 25.8 65 141-170 N/A Last thinned in 1995. Overall nice quality red pine with intermixed hardwoods. Northern portions are better stocked. Sub-canopy density is variable but is fairly thick throughout. Long term goal is to try to utilize the understory of Oak and Sugar Maple and convert this to a natural mixed hardwood stand and swap covertypes and plant Red Pine to the north in stand 7 if the treatment fails.

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------|---------|------------|-----|-----|--------------------|---------|--------------|---------|
| Red Maple | 1 | Pole/Log | 9 | | Beech | Low | Variable | Sapling |
| Red Pine | 95 | Log | 13 | 65 | Red Maple | High | 5 - 10 feet | Sapling |
| White Pine | 2 | Log/XLog | 14 | | Ironwood | Medium | 5 - 10 feet | Sapling |
| Sugar Maple | 1 | Log | 10 | | Red Oak | Medium | Variable | Sapling |
| Bigtooth Aspen | 1 | Pole | 8 | | Sugar Maple | Low | 10 - 20 feet | Sapling |



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

26 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 61.9 95 111-140 N/A

Canopy is beginning to open up mostly in the central portions. Blowdown is present. Almost has an appearance of lower swales and then "drier" ridges with mixed conifers. Scattered overmature aspen present. Steep slope going down into stand from the west edge.

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------------|---------|------------|-----|-----|--------------------|---------|--------------|---------|
| Northern White Cedar | 28 | Log/Pole | 10 | 95 | Black Ash | Medium | 5 - 10 feet | Sapling |
| Red Maple | 20 | Log/Pole | 10 | | Paper Birch | Low | 10 - 20 feet | Sapling |
| Quaking Aspen | 10 | Log/Pole | 12 | | Red Maple | Low | Variable | Sapling |
| Paper Birch | 4 | Pole | 7 | | Balsam Fir | High | Variable | Sapling |
| Hemlock | 11 | Log | 12 | | | | | |
| Black Spruce | 2 | Pole | 7 | | | | | |

27 4130 - Aspen Sapling Well 20.2 27 51-80 N/A

Fair quality stand. On the cusp of pole. Still contains a lot of sapling sized stems but does have merchantable pockets. Scattered small log Oak throughout. Northern edge is more brushy/scrubby oak, pine, quaking aspen. Good conifer component throughout.

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------|---------|--------------|-----|-----|--------------------------|---------|--------------|---------|
| Red Oak | 10 | Pole/Log/Sap | 8 | | Sugar Maple | Low | 10 - 20 feet | Sapling |
| Black Cherry | 3 | Sapling/Pole | 4 | | Red Maple | Medium | 5 - 10 feet | Sapling |
| Red Maple | 10 | Sapling/Pole | 4 | | Serviceberry (Juneberry) | Low | 5 - 10 feet | Sapling |
| Sugar Maple | 3 | Sapling/Pole | 4 | | White Pine | Low | Variable | Sapling |
| Balsam Fir | 5 | Sapling/Pole | 4 | | Beech | Medium | 5 - 10 feet | Sapling |
| Bigtooth Aspen | 58 | Pole/Sapling | 5 | 27 | Red Oak | Low | 5 - 10 feet | Sapling |
| White Pine | 6 | Pole/Sapling | 5 | | Red Pine | Low | Variable | Sapling |
| Quaking Aspen | 5 | Sapling/Pole | 4 | | Balsam Fir | Medium | Variable | Sapling |

28 3205 - Mixed Upland Shrub Nonstocked 1.3 Unspecified No

Mixed shrubs (honey suckle, hawthorn, sumac). scattered conifers.

29 4130 - Aspen Sawtimber Well 57.4 50 81-110 N/A

Overall good quality aspen stand. Minor changes in soil gradient throughout with areas of bigtooth, oak, red/sugar maple with slight 'lower' areas with quaking aspen, birch, and mixed white pine and fir. Did observe a few XLog Red Oak. Very nice pockets of fir and white pine regen. Quite a few areas of wind throw throughout. Eastside seems to have smaller diameters except in the far NE. East half seems to contain more of a hardwood component.

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------|---------|---------------|-----|-----|--------------------------|---------|--------------|---------|
| Sugar Maple | 2 | Pole | 6 | | Balsam Fir | Medium | < 5 feet | Sapling |
| Paper Birch | 4 | Pole/Log | 9 | | Sugar Maple | Low | 10 - 20 feet | Sapling |
| Red Maple | 5 | Pole/Log | 8 | | White Pine | Medium | < 5 feet | Sapling |
| Balsam Fir | 5 | Pole/Log | 9 | | Serviceberry (Juneberry) | Low | 5 - 10 feet | Sapling |
| Quaking Aspen | 10 | Pole | 8 | | Red Maple | Low | 10 - 20 feet | Sapling |
| Red Pine | 2 | Log/Pole | 10 | | Red Oak | Low | Variable | Sapling |
| Red Oak | 7 | Log/Pole/XLog | 12 | | | | | |
| Bigtooth Aspen | 60 | Log/Pole | 11 | 50 | | | | |
| White Pine | 5 | Log/XLog/Pole | 15 | | | | | |



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

30 320 - Upland Shrub Nonstocked 3.2 Unspecified No Could utilize a harvest to try to expand the aspen into this stand.

| Sub-Canopy Species | Density | Avg. Height | Size |
|--------------------|---------|--------------|------------|
| Hawthorn (spp.) | Trace | < 5 feet | Tall Shrub |
| Bigtooth Aspen | Low | 5 - 10 feet | Sapling |
| Red Pine | Low | 10 - 20 feet | Sapling |
| Honeysuckle (spp.) | Low | 5 - 10 feet | Tall Shrub |
| Smooth Sumac | Medium | 5 - 10 feet | Tall Shrub |
| White Pine | Medium | 10 - 20 feet | Sapling |

31 4111 - S.Maple, Hard Mast Association Poletimber Well 77.0 95 81-110 N/A Thinned/salvaged in 2008. Rough looking stand in most places. Almost a two-aged even three aged stand. True canopy stems, mostly the larger sugar maple, basswood, oak are the oldest cohort with a mid-level intermediate cohort of mostly small pole/large sap sugar maple with a blanket of sub-canopy regen of beech, ironwood, ash and some red/sugar maple. Heavier pine/hemlock/fir component in the far east and west portions. Although the stems are smaller, there are still some good quality stems. Very brushy throughout. The few beech remaining are doing ok.

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------|---------|---------------|-----|-----|--------------------|---------|--------------|---------|
| Beech | 5 | Log/Pole | 12 | | White Ash | Medium | 5 - 10 feet | Sapling |
| Paper Birch | 2 | Pole | 7 | | Ironwood | High | Variable | Sapling |
| Hemlock | 10 | Log/Pole | 12 | | Paper Birch | Low | 10 - 20 feet | Sapling |
| Ironwood | 5 | Pole | 6 | | Balsam Fir | Low | Variable | Sapling |
| Sugar Maple | 50 | Pole/Log | 9 | 95 | Beech | Medium | 5 - 10 feet | Sapling |
| White Pine | 2 | Log/XLog/Pole | 16 | | Sugar Maple | Low | Variable | Sapling |
| Red Maple | 8 | Log/Pole | 10 | | | | | |
| Red Oak | 6 | Log/Pole | 15 | | | | | |
| Basswood | 10 | Log/Pole | 15 | | | | | |
| Bigtooth Aspen | 2 | Log | 14 | | | | | |

32 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 35.4 96 111-140 N/A More consistently stocked with conifers than the adjacent stand 26. Most of the deciduous component is in the SE. Standing water in portions.

| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size |
|----------------------|---------|------------|-----|-----|--------------------|---------|-------------|------------|
| Quaking Aspen | 10 | Log/Pole | 11 | | Balsam Fir | High | Variable | Sapling |
| Balsam Fir | 20 | Pole | 7 | | Red Maple | Low | 5 - 10 feet | Sapling |
| Black Spruce | 10 | Pole | 6 | | Tag Alder | Low | 5 - 10 feet | Tall Shrub |
| Northern White Cedar | 40 | Log/Pole | 11 | 96 | Black Ash | Low | 5 - 10 feet | Sapling |
| White Pine | 5 | Log | 14 | | | | | |
| Red Maple | 5 | Pole | 7 | | | | | |
| Paper Birch | 10 | Pole | 7 | | | | | |

33 3303 - Mixed Low Density Trees Nonstocked 2.0 Unspecified No Mixed low density trees. White Pine, Aspen, cherry. Scattered sumac.



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

| | | | | | | | |
|-----------------------|-----------------------------|-----------------|-------------------|------------|------------|---------------------------|--|
| 34 | 4136 - Aspen, Mixed Conifer | Poletimber Well | 23.0 | 35 | 51-80 | N/A | Stand gradually slopes down into the adjacent Q type. Mostly upland. Contains low densities of hardwoods and contains higher densities of fir near the north and south edges. Still relatively small for the age. Some larger poles present. |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | |
| Bigtooth Aspen | | 50 | Pole | 6 | 35 | Sugar Maple | |
| Balsam Fir | | 15 | Pole/Sapling | 6 | | Red Maple | |
| White Pine | | 5 | Pole | 7 | | Beech | |
| Paper Birch | | 2 | Pole/Sapling | 5 | | Red Oak | |
| Red Oak | | 2 | Pole | 6 | | Serviceberry (Juneberry) | |
| Red Pine | | 1 | Log/Pole | 12 | | Ironwood | |
| Red Maple | | 8 | Pole/Sapling | 5 | | Black Cherry | |
| Black Cherry | | 2 | Pole/Sapling | 5 | | Balsam Fir | |
| Quaking Aspen | | 10 | Pole | 5 | | | |
| Sugar Maple | | 5 | Sapling/Pole | 4 | | | |
| | | | | | | Density | |
| | | | | | | Avg. Height | |
| | | | | | | Size | |

| | | | | | | | |
|-----------------------|--|-------------------|-------------------|------------|------------|---------------------------|--|
| 35 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Medium | 118.9 | 90 | 51-80 | N/A | Transitions in and out of forested. Mixed lowland shrub pockets with islands of supercanopy white pine and mixed lowland conifers. Some fairly decent cedar establishment on the edges. Wet. Could lean towards lowland deciduous in some areas. |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | |
| Black Ash | | 5 | Sapling/Pole | 4 | | Northern White Cedar | |
| Balsam Fir | | 30 | Pole | 6 | 90 | Tag Alder | |
| Tamarack | | 3 | Pole | 8 | | Black Ash | |
| White Pine | | 2 | Pole/Log/XLog | 9 | | Balsam Fir | |
| Black Spruce | | 10 | Pole/Log | 8 | | Black Spruce | |
| Quaking Aspen | | 15 | Sapling/Pole | 4 | | White Pine | |
| Northern White Cedar | | 25 | Pole/Sapling | 7 | 98 | | |
| | | | | | | Density | |
| | | | | | | Avg. Height | |
| | | | | | | Size | |

| | | | | | | | |
|-----------------------|-----------------------------|----------------|-------------------|------------|------------|---------------------------|--|
| 36 | 6139 - Mixed Lowland Forest | Sawtimber Well | 19.2 | 110 | 111-140 | N/A | Stand is currently prepped and ready to sell; Friends in Lowland Places 54-018-22. Nice density of mixed lowland deciduous intermixed with lowland conifers. |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | |
| Balsam Fir | | 20 | Pole | 8 | | Red Maple | |
| Black Spruce | | 20 | Log | 13 | 109 | Balsam Fir | |
| Northern White Cedar | | 15 | Log/Pole | 12 | | Tag Alder | |
| Paper Birch | | 10 | Log/Pole | 11 | | | |
| Red Maple | | 10 | Log/Pole | 11 | | | |
| Quaking Aspen | | 25 | Log | 15 | 110 | | |
| | | | | | | Density | |
| | | | | | | Avg. Height | |
| | | | | | | Size | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | |
|----------------------|----------------------------------|-----------------|--------------|-----------|-------------|----------------------------|--|---|--------------|--------------|---------|
| 38 | 6112 - Lowland Aspen | Sapling Well | 42.1 | 15 | Immature | N/A | Overall good regen. Stand is definitely low ground but not too saturated resulting in better regen than on some sites; i.e not flooded out. Wet areas throughout with mostly tag alder, and some higher/drier mounds of mixed deciduous hardwood species. Scattered log Hemlock and other conifers left from harvest. Cut in 2008. | | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Red Oak | | 2 | Sapling | 1 | | Ironwood | | Low | 5 - 10 feet | Sapling | |
| Black Ash | | 3 | Sapling | 1 | | Beech | | Low | 5 - 10 feet | Sapling | |
| Quaking Aspen | | 50 | Sapling/Pole | 2 | 15 | Red Osier Dogwood | | Low | 5 - 10 feet | Tall Shrub | |
| White Pine | | 3 | Sapling/Pole | 3 | | Paper Birch | | Medium | 5 - 10 feet | Sapling | |
| Balsam Fir | | 8 | Sapling/Pole | 2 | | Northern White Cedar | | Low | 5 - 10 feet | Sapling | |
| Northern White Cedar | | 3 | Sapling | 1 | | Tag Alder | | Medium | 5 - 10 feet | Tall Shrub | |
| Red Maple | | 5 | Sapling | 1 | | Red Oak | | Trace | 10 - 20 feet | Sapling | |
| Hemlock | | 2 | Log/Pole/Sap | 10 | | Red Maple | | Low | 5 - 10 feet | Sapling | |
| Balsam Poplar | | 10 | Sapling | 1 | | Balsam Fir | | Medium | Variable | Sapling | |
| Red Pine | | 2 | Sapling/Pole | 3 | | White Pine | | Low | < 5 feet | Sapling | |
| Paper Birch | | 8 | Sapling/Pole | 2 | | | | | | | |
| Beech | | 2 | Sapling | 1 | | | | | | | |
| Ironwood | | 2 | Sapling/Pole | 2 | | | | | | | |
| 39 | 629 - Mixed non-forested wetland | Nonstocked | 10.4 | 0 | Unspecified | 613 - Lowland Mixed Forest | Currently no acceptable regen. Stand is wet, but lots of sprouting observed just does not meet minimum height requirements for a forested stand. Had to code it as a L-type so MIFI would let me save the treatment data (couldn't have a lowland covertype objective with a upland G-type stand). | | | | |
| 40 | 6112 - Lowland Aspen | Poletimber Well | 5.6 | 45 | Unspecified | N/A | Small isolated island of aspen. Appears it was left/excluded from the harvest of stand 38. | | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size | |
| Red Maple | | 8 | Pole | 6 | | Red Maple | | Low | Variable | Sapling | |
| White Pine | | 5 | Pole/Sapling | 7 | | Balsam Fir | | Medium | Variable | Sapling | |
| Bigtooth Aspen | | 10 | Pole | 7 | | | | | | | |
| Balsam Poplar | | 5 | Pole | 6 | | | | | | | |
| Balsam Fir | | 30 | Pole/Sapling | 5 | | | | | | | |
| Red Pine | | 2 | Pole | 8 | | | | | | | |
| Quaking Aspen | | 40 | Pole | 7 | 45 | | | | | | |
| 41 | 6112 - Lowland Aspen | Poletimber Well | 27.7 | 37 | 81-110 | N/A | | Harvested 1986. Good conifer component throughout. More upland in the NE with a small hardwood component (Oak, Maple, BT) with slightly transitioning to lower ground moving west, southwest. Not as low as stand 38 to the north but appears that it would have saturated soils. | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | | Density | Avg. Height | Size |
| Red Oak | | 4 | Pole/Log/Sap | 9 | | Red Maple | | | Medium | 5 - 10 feet | Sapling |
| Red Maple | | 10 | Pole | 6 | | Paper Birch | | | Low | 10 - 20 feet | Sapling |
| Paper Birch | | 15 | Pole | 6 | | Red Oak | | | Low | 5 - 10 feet | Sapling |
| Quaking Aspen | | 25 | Pole | 7 | 37 | Balsam Fir | | | Medium | 10 - 20 feet | Sapling |
| Bigtooth Aspen | | 15 | Pole | 7 | 37 | | | | | | |
| White Pine | | 3 | Pole/Sap/Log | 8 | | | | | | | |
| Balsam Fir | | 20 | Pole/Sapling | 6 | | | | | | | |
| Balsam Poplar | | 8 | Pole | 6 | | | | | | | |



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

42 6130 - Fir, Aspen, Maple Poletimber Well 10.1 97 111-140 N/A

Wet ground. Some seeps, drainages from the 'upland' portions to the east.

| Canopy Species | % Cover | Size Class | DBH | Age |
|----------------------|---------|--------------|-----|-----|
| Black Ash | 3 | Pole/Sapling | 6 | |
| Balsam Poplar | 5 | Pole | 7 | |
| Paper Birch | 5 | Pole | 6 | |
| Balsam Fir | 30 | Pole | 7 | 97 |
| Northern White Cedar | 15 | Pole/Log | 9 | |
| Red Maple | 15 | Pole/Log/Sap | 10 | |
| Quaking Aspen | 25 | Log/Pole | 12 | |
| Hemlock | 2 | Log | 11 | |

| Sub-Canopy Species | Density | Avg. Height | Size |
|--------------------|---------|-------------|------------|
| Balsam Fir | High | Variable | Sapling |
| Tag Alder | Low | 5 - 10 feet | Tall Shrub |
| Black Ash | Medium | 5 - 10 feet | Sapling |

43 42110 - Planted Red Pine Sawtimber Well 48.3 65 111-140 N/A

Unsure on past treatments. Definitely thinned twice before. Overall 7-8 stick Red Pine. Overall really nice quality with a few scattered forks. Good live crown ratios. Heavy deciduous component in the sub-canopy. Stand is growing nice poles.

| Canopy Species | % Cover | Size Class | DBH | Age |
|----------------|---------|------------|-----|-----|
| Red Pine | 97 | Log | 14 | 65 |
| White Pine | 1 | Log | 15 | |
| Red Oak | 1 | Log | 13 | |
| Sugar Maple | 1 | Log | 16 | |

| Sub-Canopy Species | Density | Avg. Height | Size |
|--------------------|---------|--------------|---------|
| Red Maple | Low | 10 - 20 feet | Sapling |
| White Ash | Low | 5 - 10 feet | Sapling |
| Paper Birch | Low | 10 - 20 feet | Sapling |
| Sugar Maple | High | 10 - 20 feet | Sapling |
| Red Oak | Medium | 10 - 20 feet | Sapling |
| Ironwood | Low | 5 - 10 feet | Sapling |
| Balsam Fir | Low | 5 - 10 feet | Sapling |
| Beech | Medium | Variable | Sapling |
| Black Cherry | Low | 5 - 10 feet | Sapling |

45 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 1.8 90 81-110 N/A

Stand was the parent stand for stand 12. Due to size, this stand meets mapping standards and has to be it's own stand.

| Canopy Species | % Cover | Size Class | DBH | Age |
|----------------|---------|---------------|-----|-----|
| Paper Birch | 15 | Pole/Log | 8 | |
| Bigtooth Aspen | 30 | Log | 14 | 90 |
| Balsam Fir | 5 | Pole | 6 | |
| Red Maple | 20 | Pole/Log | 9 | |
| Red Oak | 5 | Log/Pole | 12 | |
| Red Pine | 5 | Log/Pole | 10 | |
| White Pine | 20 | Log/Pole/XLog | 10 | |

| Sub-Canopy Species | Density | Avg. Height | Size |
|--------------------|---------|-------------|---------|
| White Pine | Low | Variable | Sapling |
| Red Maple | Low | Variable | Sapling |
| Balsam Fir | Low | Variable | Sapling |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | |
|----------------|---------------------------------------|-----------------|-------|-----------|----------------------|--------------|--|--|-------------|
| 46 | 4139 - Aspen, Mixed Deciduous | Poletimber Well | 43.2 | 45 | 111-140 | N/A | Decent hardwood component throughout. Aspen is more consistent towards the west with the heavier hardwood component in the east. Scattered pockets of Oak, with rough looking beech, but good quality aspen. Really nice stand. | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Red Oak | 10 | Log/Pole | 12 | | White Ash | Low | | 5 - 10 feet | Sapling |
| Sugar Maple | 8 | Log/Pole | 11 | | Beech | Low | | Variable | Sapling |
| Basswood | 4 | Pole | 9 | | Balsam Fir | Low | | Variable | Sapling |
| Red Maple | 8 | Pole/Log | 8 | | Ironwood | Medium | | 5 - 10 feet | Sapling |
| Beech | 2 | Log/Pole | 10 | | Red Oak | Low | | 10 - 20 feet | Sapling |
| Balsam Fir | 8 | Pole | 8 | | Sugar Maple | Low | | 10 - 20 feet | Sapling |
| Bigtooth Aspen | 50 | Pole/Log | 9 | 45 | Hemlock | Low | | Variable | Sapling |
| Paper Birch | 2 | Pole/Log | 9 | | Red Maple | Medium | | 5 - 10 feet | Sapling |
| White Pine | 8 | Log/Pole | 14 | | | | | | |
| 47 | 4130 - Aspen | Sapling Well | 58.1 | 6 | Immature | N/A | | Harvested under contract 54-023-15 Alpena State Mix. All cedar and hemlock were left. Good flush of regen throughout. Edges contain most of the hardwood component. Oak and Sugar maple sprouted very well. No concerns. Some minor browse observed. Parent stand was 45 y.o at time of harvest. | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | | Avg. Height |
| Ironwood | 5 | Sapling | 1 | | White Pine | Low | < 5 feet | | Seeding |
| Bigtooth Aspen | 61 | Sapling | 1 | 6 | Balsam Fir | Medium | < 5 feet | | Sapling |
| Sugar Maple | 7 | Sapling | 1 | | Blackberry/Raspberry | Medium | < 5 feet | | Tall Shrub |
| Red Oak | 6 | Sapling | 1 | | Beech | Low | < 5 feet | | Sapling |
| Red Maple | 7 | Sapling | 1 | | | | | | |
| Black Cherry | 5 | Sapling | 1 | | | | | | |
| White Pine | 3 | Sapling/Pole | 2 | | | | | | |
| Beech | 6 | Sapling | 1 | | | | | | |
| 48 | 4111 - S.Maple, Hard Mast Association | Poletimber Well | 38.8 | 68 | 81-110 | N/A | Originally part of comp 173. Merged into Comp 174 for future management considerations. Stand is quite variable as far as quality and size. No previous history on treatment. Beech is extremely rough, very few healthy stems observed in the stand. A few that were still producing beech nuts were noticed. There is slight gradient changes throughout with a higher central ridge running east/west with the better quality sugar maple/basswood/oak poles. The southern third transitions down into overmature aspen, very poor quality hardwood (with the most red maple component) and scattered Oak. The northern portion especially in the NW transitions to more Log Sugar maple/Basswood with a heavier sugar maple/ironwood sapling component. More consistent socking in the central portions. Scattered aspen clones throughout. A lot of sugar maple saps/small poles in the south are flat topped and showing signs of decline. | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Beech | 5 | Pole/Log | 9 | | Hemlock | Low | | 10 - 20 feet | Sapling |
| Red Oak | 10 | Log/Pole/XLog | 11 | | Ironwood | Medium | | 5 - 10 feet | Sapling |
| Basswood | 12 | Log/Pole | 10 | | Basswood | Low | | 5 - 10 feet | Sapling |
| Paper Birch | 5 | Pole | 5 | | Red Oak | Low | | 10 - 20 feet | Sapling |
| Hemlock | 1 | Pole | 7 | | Beech | Medium | | 5 - 10 feet | Sapling |
| Balsam Fir | 2 | Pole | 6 | | Sugar Maple | Medium | | 5 - 10 feet | Sapling |
| Red Maple | 5 | Pole/Log | 9 | | | | | | |
| Bigtooth Aspen | 9 | Log | 11 | | | | | | |
| Sugar Maple | 50 | Pole/Log/Sap | 7 | 68 | | | | | |
| White Pine | 1 | Log | 16 | | | | | | |



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

| | | | | | | | |
|-----------|--------------------------|-----------------|-----|----|-------|-----|---|
| 51 | 4133 - Aspen, Mixed Pine | Poletimber Well | 5.0 | 45 | 51-80 | N/A | Broken aspen/mixed deciduous stand that regenerated from a harvest roughly around the same time as stand 20 (no records found). Overmature aspen in the north end with smaller aspen diameters and more maple/oak to the south. |
|-----------|--------------------------|-----------------|-----|----|-------|-----|---|

| Canopy Species | % Cover | Size Class | DBH | Age |
|----------------|---------|------------|-----|-----|
| Red Oak | 10 | Log/Pole | 15 | |
| White Pine | 20 | Log/Pole | 13 | |
| Sugar Maple | 5 | Log/Pole | 10 | |
| Red Pine | 2 | Log | 11 | |
| Quaking Aspen | 15 | Log/Pole | 13 | |
| Bigtooth Aspen | 30 | Pole/Log | 9 | 45 |
| Red Maple | 10 | Pole | 7 | |
| Beech | 3 | Pole/Log | 9 | |
| Paper Birch | 5 | Pole | 7 | |

| Sub-Canopy Species | Density | Avg. Height | Size |
|--------------------|---------|--------------|---------|
| Red Maple | Medium | 10 - 20 feet | Sapling |
| White Pine | Low | Variable | Sapling |
| Ironwood | Medium | 10 - 20 feet | Sapling |
| Sugar Maple | Low | 5 - 10 feet | Sapling |
| Beech | Low | Variable | Sapling |

| | | | | | | | |
|-----------|-------------------------------|--------------|-----|---|----------|-----|---|
| 71 | 4139 - Aspen, Mixed Deciduous | Sapling Well | 7.5 | 5 | Immature | N/A | Cut in 12/2018 under contract Krouse Grouse Aspen. Good regen. No concerns. |
|-----------|-------------------------------|--------------|-----|---|----------|-----|---|

| Canopy Species | % Cover | Size Class | DBH | Age |
|----------------|---------|--------------|-----|-----|
| Red Oak | 4 | Sapling/Pole | 1 | |
| Bigtooth Aspen | 56 | Sapling | 1 | 5 |
| Beech | 6 | Sapling | 1 | |
| Paper Birch | 5 | Sapling | 1 | |
| Sugar Maple | 10 | Sapling | 1 | |
| Balsam Fir | 4 | Sapling | 1 | |
| Red Maple | 15 | Sapling | 1 | |

| Sub-Canopy Species | Density | Avg. Height | Size |
|----------------------|---------|-------------|------------|
| Beech | Medium | < 5 feet | Sapling |
| Red Maple | Low | < 5 feet | Sapling |
| Blackberry/Raspberry | Medium | < 5 feet | Tall Shrub |
| White Pine | Low | < 5 feet | Sapling |

| | | | | | | | |
|-----------|---------------------------------------|-----------------|------|----|--------|-----|--|
| 72 | 4111 - S.Maple, Hard Mast Association | Poletimber Well | 13.4 | 95 | 81-110 | N/A | Thinned in 2008. Beech is very rough. Heavier conifer influence in the far east. Scattered Log Red Oak, and basswood clumps. Sugar Maple is consistent but diameters are variable. Some larger log/xlog sized stems then transitions into true sugar maple poles. The far southeast contains a vernal pond and more of the aspen. Very brushy, scrubby sub-canopy. |
|-----------|---------------------------------------|-----------------|------|----|--------|-----|--|

| Canopy Species | % Cover | Size Class | DBH | Age |
|----------------|---------|---------------|-----|-----|
| Ironwood | 5 | Pole | 7 | |
| Red Oak | 8 | Log/Pole/XLog | 16 | |
| Basswood | 8 | Log/Pole | 13 | |
| Sugar Maple | 55 | Log/Pole | 10 | 95 |
| Bigtooth Aspen | 2 | Log | 13 | |
| Red Maple | 5 | Pole/Log | 8 | |
| Red Pine | 2 | Log | 15 | |
| Balsam Fir | 5 | Pole | 7 | |
| Beech | 8 | Log/Pole | 10 | |
| Hemlock | 2 | Log/Pole | 12 | |

| Sub-Canopy Species | Density | Avg. Height | Size |
|--------------------|---------|--------------|---------|
| Balsam Fir | Low | Variable | Sapling |
| Sugar Maple | Low | 10 - 20 feet | Sapling |
| Ironwood | High | 5 - 10 feet | Sapling |
| Beech | Medium | 5 - 10 feet | Sapling |