



Compartment Review Presentation

Traverse City Forest Management Unit

Compartment 61116

Entry Year: 2026

Acreage: 2,058

County: Kalkaska

Management Area: Kalkaska Sandy Moraines

Stand Examiner: Thomas Peterson III

Legal Description:

T27N R5W Sections 21, 22, 23, and 24

Identified Planning Goals:

Compartment 116 is part of the Grayling Ice Contact management area. Management will strive to sustainably produce various forest products; enhance game and non-game wildlife habitat; protect areas of unique character; and provide for forest-based recreational uses. Expected trends within this 10-year planning period are increased recreational pressure, managing oil and gas development, introduced pests and diseases and the difficulty in regenerating oak. Much of the topography in this management area was sculpted by melting glaciers that dissected some of the ice-contact ridges into steep ridges with flat sandy outwash plains between. These ice contact ridges now support northern hardwood and oak stands while jack pine, red pine and mixed stands can be found on the plains. Specifically, forest management will aim to balance the age classes of aspen on suitable sites, thin northern hardwood stands, balance age classes of red pine and jack pine, and regenerate the aging oak resource. Much of Sections 23 and 24 are comprised of good quality northern hardwood and/or fair quality oak stands. Similar stands in the compartment to the north recently experienced a period of maple decline, stemming from being thinned then stressed by drought and multiple years of insect defoliation. There is evidence of some maple and oak mortality in the northern part of this compartment and the hardwood stands will be monitored for evidence of similar decline.

Soil and topography:

With the exception of the Black Creek corridor and other isolated depressions which have muck soils, the entire compartment is sandy soils. Slightly better soils are found in Sections 23 and 24. The topography in this compartment ranges from flat to slightly rolling. There are scattered kettle depressions, some of which are wet or seasonally wet.

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

This compartment is mostly surrounded by State land with a few exceptions. The entire west and north boundary of Section 21 adjoins private lands. Much of the west boundary is seasonal residences along Lake Valley Road. Some of the private land in Section 21 has been managed for timber. Much of the north boundary of Section 21 is shared with Camp Gan Israel, a 600-acre children's camp affiliated with a congregation in Walled Lake, MI. Section 21 SESW adjoins undeveloped private property to the south. Section 23 SESW and SWSE join private property to the south, which is multiple year-round and seasonal residences accessed from North Forest Trail.

Unique Natural Features:

There are two observations of Hill's thistle (state SC) and most of the compartment is potential habitat for the Massasauga rattlesnake.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Section 24 is part of the long-term lease with Camp Grayling for military training. As a tributary of the Manistee River, Black Creek and its tributaries are protected by Natural Rivers designation.

Watershed and Fisheries Considerations:

South Black Lake is partially within the compartment and Black Creek, a tributary of the upper Manistee River, flows through the compartment. Black Creek is a Designated Trout Stream that contained brook trout at one time. Recent fish surveys have failed to find any trout. Beavers have had a significant impact on Black Creek and may have destroyed any potential trout habitat. There are two small kettle lakes in Section 21.

Wildlife Habitat Considerations:

The bulk of compartment 116 encompasses two ice contact ridge complexes. Also, there is a narrow north/south band of outwash plain through section 21 near the west end of the compartment. State land in this compartment is contiguous with the only private land being concentrated at the west end.

The ridges and hills in this compartment are generally steep with a sandy, dry soil. Northern hardwoods are the dominate community of this glacial landform. However, in this portion of state forest you can also find aspen, oak, grassland, shrubland, as well as several red pine plantations. Final harvests of deciduous species should leave residuals of conifers and/or mast producing vegetation, either in clumps or scattered, for the benefit of wildlife. The shrub and grass communities can be found in the draws and gullies between the ridges where wildfires were more apt to occur. These "open" communities should be maintained by periodic burning. Wildlife species likely to be found in these hilly forests and open ravines could include white-tailed deer, northern flicker, rose-breasted grosbeak, hog-nosed snake, and broad-winged hawk.

The outwash plain follows Black Creek, which drains the Black Lakes into the Manistee River. Open water, marshes, lowland brush, and stands of lowland conifers can be found along this riparian corridor. No activities are proposed in these communities, for several reasons, including limited access because of high water tables and stream crossings, lack of necessity for treatment, and the fragile nature of these wetland communities. The natural dynamics of these systems will be left to their own schedule.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of ice-contact and glacial outwash sand and gravel and post-glacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. The Coldwater does not have an economic use. A gravel pit is located one mile to the south and potential is considered good. This area is located four miles south of Niagaran reef trend and the Antrim Shale gas play, but potential is limited for these plays. There are no State leases at this time.

Vehicle Access:

There is sufficient vehicle access throughout the compartment, although many of the seasonal county roads (Forest Trail and Black Lake Road) are in poor condition and could not support truck traffic. Black Creek flows through a culvert under Black Lake Road and this culvert needs attention before supporting truck traffic.

Survey Needs:

There are no survey needs at this time.

Recreational Facilities and Opportunities:

The Kalkaska ORV trails runs through Sections 22 and 24. This ORV trail is 50 inches in width, designed for ATV and motorcycle use. Appropriate trail protection specifications should be used to protect the trail where treatments are prescribed. Snowmobile use is relatively high along the Blue Lake Road corridor and coming off the pipeline in the east half of Section 24. (T.M.N. 5/15/14) .

Fire Protection:

The potential for catastrophic wildfire in this compartment is relatively low due to its timber types. Open spaces, sparser canopies in mixed stands, and northern hardwood stands would also serve as natural firebreak. Numerous fire-scarred stumps and tree trunks throughout the compartment, however, suggest that past fire was critical in shaping its current composition. Fire protection would be provided by the Kalkaska FRD office and the Bear Lake Fire Department.

Additional Compartment Information:

OI noted evidence of old settlements and fruit trees in Section 23 and there are multiple old railroad grades.

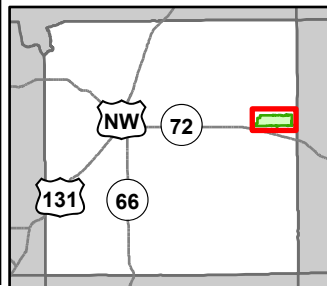
The following reports from the Inventory are attached:

- 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**

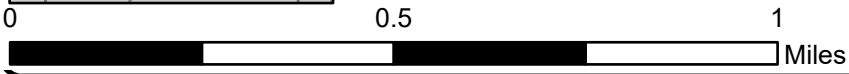
The following information is displayed, where pertinent, on the attached compartment maps:

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

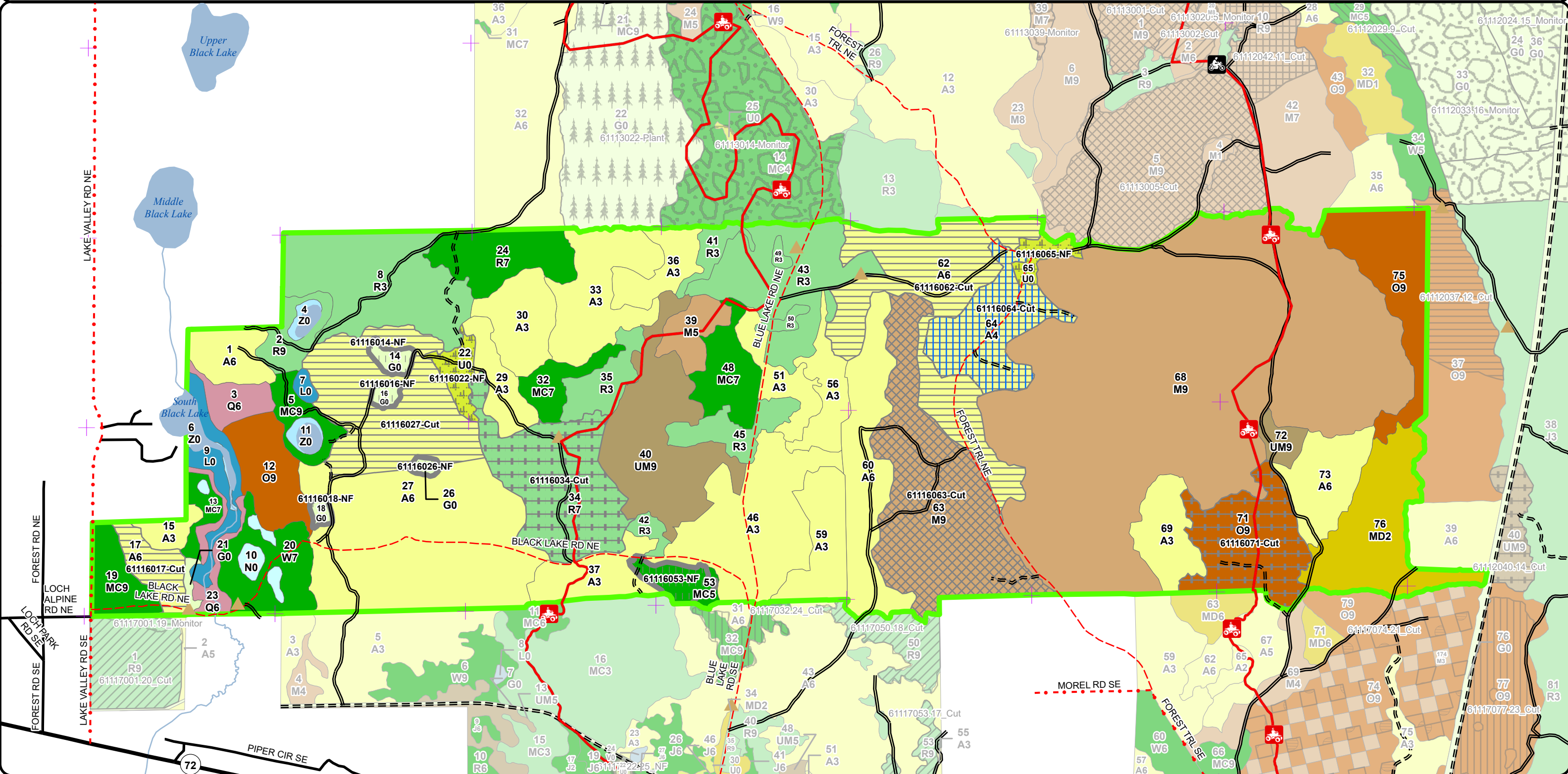
Cover Type & Treatments Map



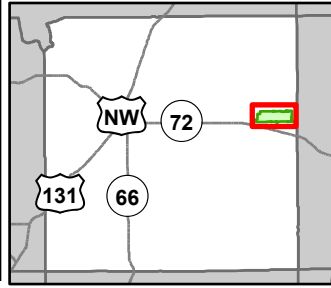
Compartment: 61116
 T27N, R5W, Sec: 21-24, 25, 26
 County: Kalkaska
 Unit: Traverse City
 Mgmt Area: Kalkaska Sandy Moraines
 YOE: 2026
 Acres: 2058.5 GIS Calculated
 Examiner: Thomas Peterson III
 Map Revised: 10/14/2024
 Map Phase: Post Review



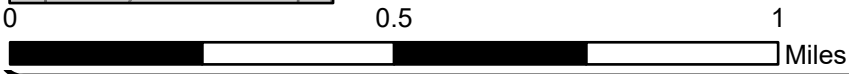
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|--------------------------------|---|--------------------------------|------------------------------------|
| ▲ Berms | — Federal / State / County - Paved Road | ▨ Clearcut (w/Reserves) | ■ 422 - Natural Pines |
| ⊕ Remonumented Section Corners | - · - · County - Gravel Road | ▩ Harvest, Overstory Removal | ■ 430 - Upland Mixed Forest |
| 🏍️ Motorcycle Trails | - - - County - Dirt Road (Seasonal) | ▨ Seed Tree (w/Reserves) | ■ 612 - Lowland Coniferous Forest |
| 🛵 ORV Trails | — Lake/Pond | ▨ Opening Maintenance | ■ 310 - Herbaceous Openland |
| — Designated ATV Trails | — Perennial River | ■ 411 - Northern Hardwood | ■ 330 - Low Density Trees |
| — DNR - Secondary Forest Road | ■ Lakes and Rivers | ■ 412 - Oak Types | ■ 500 - Water |
| == DNR - Forest Access Route | ▭ Compartment Boundary | ■ 413 - Aspen Types | ■ 623 - Emergent Wetland |
| — Federal / State Highway | ▨ Other Treatment - See Comments | ■ 419 - Mixed Upland Deciduous | ■ 629 - Mixed Non-forested Wetland |
| | ▨ Selection (Group, Single Tree) | ■ 421 - Planted Pines | |



Stand Boundary Map

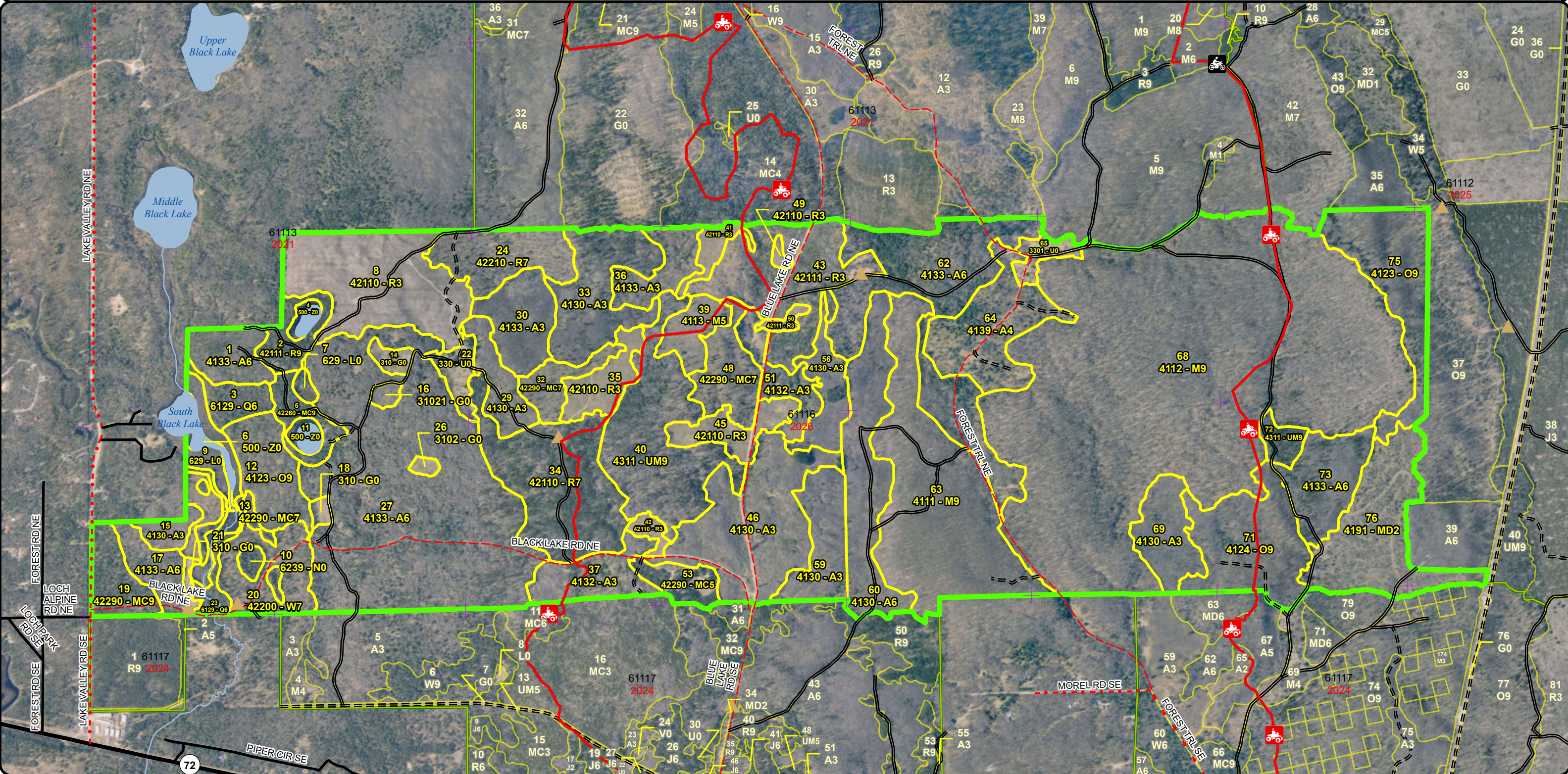


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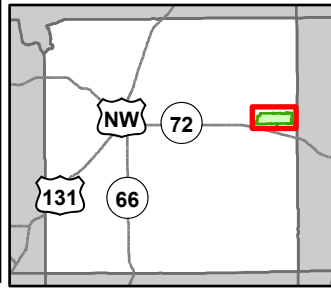


- Berms
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- Stand Boundaries
- 612 - Lowland Coniferous Forest
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Special Conservation Areas & Site Conditions Map

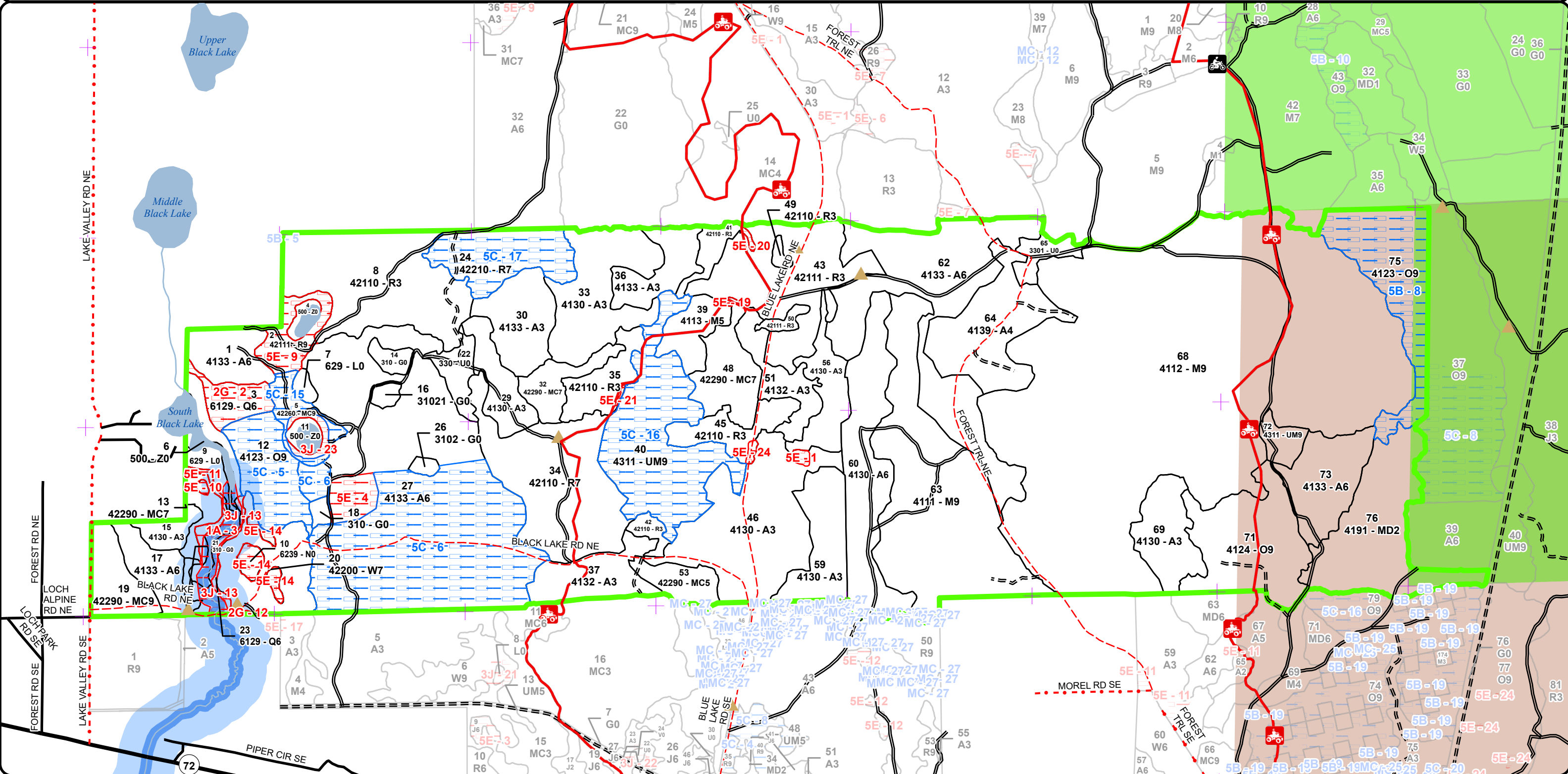
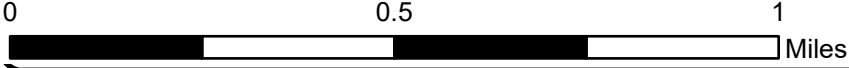


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 Map Revised: 10/14/2024
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- Berms
- Remonumented Section Corners
- Motorcycle Trails
- ORV Trails
- Designated ATV Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road

- County - Gravel Road
- County - Dirt Road (Seasonal)
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Cold Water Streams
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes

- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1A: Federal/State/Local Law
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Kirtland Warbler Habitat
- Research, Development, and Military Lands



Report 1 – Total Acres by Cover Type and Age Class

Traverse City Mgt. Unit

Compartment 116 Year of Entry 2026

Thomas Peterson III: 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+ | Unseen-Aged | Total |
|------------------------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|------------|------------|----------|----------|----------|----------|----------|----------|-------------|-------------|
| Aspen | 0 | 0 | 145 | 119 | 108 | 356 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 742 |
| Herbaceous Openland | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| Low-Density Trees | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| Lowland Shrub | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| Marsh | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Mixed Upland Deciduous | 0 | 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58 |
| Natural Mixed Pines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 38 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 |
| Northern Hardwood | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 550 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 564 |
| Oak | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 126 |
| Red Pine | 0 | 119 | 58 | 0 | 0 | 0 | 0 | 0 | 0 | 111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 288 |
| Upland Mixed Forest | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 |
| Water | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| White Pine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| Total | 71 | 177 | 203 | 119 | 108 | 356 | 22 | 52 | 24 | 269 | 660 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2059 |



Report 2 – Treatment Summary

Traverse City Mgt. Unit
Year of Entry: 2026

Acres of Harvest

Compartment 116
Total Compartment Acres: 2,058

Commercial Harvest - 449
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

| | Clearcut | Selection | Patch Clearcut | Seed Tree | Shelterwood | Thinning | Overshory Removal | Salvage | Other | Total Acres |
|-------------------|------------|------------|----------------|-----------|-------------|----------|-------------------|----------|----------|-------------|
| Aspen | 177 | 0 | 0 | 44 | 0 | 0 | 0 | 0 | 0 | 221 |
| Northern Hardwood | 0 | 109 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 109 |
| Oak | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 0 | 0 | 51 |
| Red Pine | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 0 | 0 | 67 |
| Total | 177 | 109 | 0 | 44 | 0 | 0 | 118 | 0 | 0 | 449 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|------------|------------|------------|----------|----------|------------|------------|------------|-----------------|-------------|
| Current | 449 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 487 |
| Next Step | 0 | 436 | 109 | 0 | 0 | 109 | 330 | 218 | 0 | 1203 |
| Total | 449 | 436 | 109 | 0 | 0 | 109 | 330 | 218 | 39 | 1690 |



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

Approved Treatments:

| | | | | | | | | | | |
|---|--------------------|-----|---------------------------|------------|--|-------------|--------------|------------------------------------|--------------------------------|----|
| 14 | 61116014-NF | 4.4 | 310 - Herbaceous Openland | Nonstocked | | Unspecified | NonForestMgt | Herbaceous/Crop/ Grass Planting | 3105 - Mixed Upland Herbaceous | No |
| <p><u>Prescription</u> This opening is a traditional wildlife planting. Plant to annual rye. Consider alternative seed mixes as soil conditions allow. Resulting forage</p> <p><u>Specs:</u> should be suitable for early spring and late fall grazing. Periodic maintenance such as mowing, fertilization, reseeding, and/or removal of woody encroachment.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p> | | | | | | | | | | |

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|---|--------------------|-----|---------------------------|------------|--|-------------|--------------|------------------------------------|--------------------------------|----|
| 16 | 61116016-NF | 2.8 | 31021 - Cool Season Grass | Nonstocked | | Unspecified | NonForestMgt | Herbaceous/Crop/ Grass Planting | 3105 - Mixed Upland Herbaceous | No |
| <p><u>Prescription</u> This opening is a traditional wildlife planting. Plant to annual rye. Consider alternative seed mixes as soil conditions allow. Resulting forage</p> <p><u>Specs:</u> should be suitable for early spring and late fall grazing. Periodic maintenance such as mowing, fertilization, reseeding, and/or removal of woody encroachment.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p> | | | | | | | | | | |

| | | | | | | | | | | | |
|---|---------------------|------|--------------------------|-----------------|----|-------|---------|----------|--------------------------|-----------|----|
| 17 | 61116017-Cut | 15.4 | 4133 - Aspen, Mixed Pine | Poletimber Well | 56 | 51-80 | Harvest | Clearcut | 4133 - Aspen, Mixed Pine | Even-Aged | No |
| <p><u>Prescription</u> Clearcut with no retention due to stand being under 20 acres. Cut all trees down to 2 inches or more in DBH. Protect all pine under 4 inches</p> <p><u>Specs:</u> in DBH during harvest. Add Drumming log spec to sale during write up.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Fully stocked stand of aspen with component of white and red pine.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</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 |
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-------------|

| | | | | | | | | | | |
|-----------|--------------------|-----|---------------------------|------------|--------------|--------------|---------------------------------|--------------------------------|--|----|
| 18 | 61116018-NF | 2.3 | 310 - Herbaceous Openland | Nonstocked | Unspec ified | NonForestMgt | Herbaceous/Crop/ Grass Planting | 3105 - Mixed Upland Herbaceous | | No |
|-----------|--------------------|-----|---------------------------|------------|--------------|--------------|---------------------------------|--------------------------------|--|----|

Prescription This opening is a traditional wildlife planting. Plant to annual rye. Consider alternative seed mixes as soil conditions allow. Resulting forage
Specs: should be suitable for early spring and late fall grazing. Periodic maintenance such as mowing, fertilization, reseeding, and/or removal of woody encroachment.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

| | | | | | | | | | | |
|-----------|--------------------|-----|-------------------------|------------|----------|--------------|---------------------------|-----------------------------|--|----|
| 22 | 61116022-NF | 9.3 | 330 - Low-Density Trees | Nonstocked | Immature | NonForestMgt | Fruit Tree/Shrub Planting | 3204 - Mast Producing Shrub | | No |
|-----------|--------------------|-----|-------------------------|------------|----------|--------------|---------------------------|-----------------------------|--|----|

Prescription Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs
Specs: and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. May need to fertilize plantings and protect with wire cages or tubex. Could also seed in native grasses and forbs.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

| | | | | | | | | | | |
|-----------|--------------------|-----|--------------|------------|--------------|--------------|---------------------------------|--------------------------------|--|----|
| 26 | 61116026-NF | 1.9 | 3102 - Grass | Nonstocked | Unspec ified | NonForestMgt | Herbaceous/Crop/ Grass Planting | 3105 - Mixed Upland Herbaceous | | No |
|-----------|--------------------|-----|--------------|------------|--------------|--------------|---------------------------------|--------------------------------|--|----|

Prescription This opening is a traditional wildlife planting. Plant to annual rye. Consider alternative seed mixes as soil conditions allow. Resulting forage
Specs: should be suitable for early spring and late fall grazing. Periodic maintenance such as mowing, fertilization, reseeding, and/or removal of woody encroachment.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025



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

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|-----------|---------------------|------|--------------------------|-----------------|----|-------|---------|-------------------------|-------------|-----------|----|
| 27 | 61116027-Cut | 75.0 | 4133 - Aspen, Mixed Pine | Poletimber Well | 49 | 51-80 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | No |
|-----------|---------------------|------|--------------------------|-----------------|----|-------|---------|-------------------------|-------------|-----------|----|

Prescription Specs: Clearcut around 1/3 to 1/2 of stand 27. Standard area retention is mapped out in MIFI around two unique kettle holes in order to protect them. In addition to standard area retention mark to leave less than one tree per acre scattered white pine, white oak in addition to any legacy trees within stand for vertical structure / seed source for stand. Add Drumming log spec to sale during write up.

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

Acceptable Regen: Fully stocked stand of aspen, with any component of pine or mixed deciduous

Other Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

| | | | | | | | | | | | |
|-----------|---------------------|------|--------------------------|----------------|----|------|---------|-------------------|-------------------------|-----------|----|
| 34 | 61116034-Cut | 67.2 | 42110 - Planted Red Pine | Sawtimber Poor | 85 | 1-50 | Harvest | Overstory Removal | 4132 - Aspen, Jack Pine | Even-Aged | No |
|-----------|---------------------|------|--------------------------|----------------|----|------|---------|-------------------|-------------------------|-----------|----|

Prescription Specs: Remove overstory from stand. Cut all trees greater than 4.5 inches in DBH that you can get at least one pulp stick out of. Leave standard area retention in stand. Protect all advance regeneration during harvest. Pockets with no merchantable trees should be avoided and no equipment in them during harvest.

Next Step Treatments:

Acceptable Regen: Fully Stocked Stand of Aspen, with Pockets of Jack pine. Stand can have any mixture of red pine, white pine and/ or mixed deciduous trees.

Other Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

| | | | | | | | | | | | |
|-----------|--------------------|------|----------------------------|-------------------|----|-------|--------------|---------------|---------------------------|--|----|
| 53 | 61116053-NF | 10.0 | 42290 - Natural Mixed Pine | Poletimber Medium | 60 | 51-80 | NonForestMgt | Brush Cutting | 3205 - Mixed Upland Shrub | | No |
|-----------|--------------------|------|----------------------------|-------------------|----|-------|--------------|---------------|---------------------------|--|----|

Prescription Specs: Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. May need to fertilize plantings and protect with wire cages or tubex. Could also seed in native grasses and forbs.

Next Step Treatments:

Acceptable Regen:

Other Comment: Part of stand 53 was an upland brush stand but woody encroachment has continued in the absence of opening maintenance or natural disturbance. This stand has herbaceous species that will benefit from removing some woody vegetation.

Site Condition:

Proposed Start Date: 10/1 /2025



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| | | | | | | | | | | | |
|-----------|---------------------|------|--------------------------|-----------------|----|-------|---------|-------------------------|--------------------------|-----------|----|
| 62 | 61116062-Cut | 86.9 | 4133 - Aspen, Mixed Pine | Poletimber Well | 48 | 51-80 | Harvest | Clearcut with Retention | 4133 - Aspen, Mixed Pine | Even-Aged | No |
|-----------|---------------------|------|--------------------------|-----------------|----|-------|---------|-------------------------|--------------------------|-----------|----|

Prescription Clear cut stand with standard area retention. Mark to leave Less than one tree per acre, these trees species should consist of white pine, red pine or oak trees. Protect all red pine, white pine and oak under 5 inches in DBH during harvest. Add Drumming log spec to sale during write up.

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

Acceptable Fully to moderately stocked stand of aspen, with pine and oak component.
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

| | | | | | | | | | | | |
|-----------|---------------------|-------|---------------------------------------|----------------|----|---------|---------|-----------------------|-------------------------|----------|----|
| 63 | 61116063-Cut | 109.1 | 4111 - S.Maple, Hard Mast Association | Sawtimber Well | 92 | 141-170 | Harvest | Single Tree Selection | 411 - Northern Hardwood | Two-Aged | No |
|-----------|---------------------|-------|---------------------------------------|----------------|----|---------|---------|-----------------------|-------------------------|----------|----|

Prescription Mark stand down to average basal area of 90. Use hardwood marking guidelines to mark stand.
Specs: Leave larger sugar maple as seed source for stand. In addition to marking stand add 10 gaps that are no smaller than 1 acre in size and no bigger than 1.5 acres in size. Target gap areas where there is sugar maple regeneration present or where there is beech in overstory.

Next Step Pesticide, Skidder - Site Prep; Planting, Hardwood - Sapling; Other, Pre-Commercial Thinning - Hand; SitePrep, Trenching; SitePrep,
Treatments: Scarification; SitePrep, Roller Chopping; SitePrep, Other - Specify; Other, Pre-Commercial Thinning - Hand;

Acceptable Any Combination of sugar maple, red maple, basswood, cherry, oak, or pine.
Regen:

Other If gaps fail to regenerate to acceptable regeneration, use any means necessary to get them to desirable regeneration. This includes but is not limited to: scarification, trenching, mastication, roller chopping, burning, planting (of species such as hardwood, oak, pine), spraying to kill unwanted species, or TSI cut to remove unwanted species.
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

| | | | | | | | | | | | |
|-----------|---------------------|------|-------------------------------|-----------------|----|------|---------|--------------------------|--------------------------|-----------|----|
| 64 | 61116064-Cut | 43.9 | 4139 - Aspen, Mixed Deciduous | Poletimber Poor | 46 | 1-50 | Harvest | Seed Tree with Retention | 4133 - Aspen, Mixed Pine | Even-Aged | No |
|-----------|---------------------|------|-------------------------------|-----------------|----|------|---------|--------------------------|--------------------------|-----------|----|

Prescription Leave all pine and oak in stand as seed source. Cut all other tree species down to 2 inches in DBH. Leave standard area retention in stand.
Specs:

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

Acceptable Moderately Stocked stand of aspen, black cherry with pine component. Trying to expand aspen clones in stand.
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025



S
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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 |
|---|-------|------------------------------------|----------------|-----------|----------|----------------|---------------------------|-------------------------------|---------------|-------------|
| 65 61116065-NF | 7.9 | 3301 - Low Density Deciduous Trees | Nonstocked | | Immature | NonForestMgt | Fruit Tree/Shrub Planting | 3204 - Mast Producing Shrub | | No |
| <p><u>Prescription</u> Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. May need to fertilize plantings and protect with wire cages or tubex. Could also seed in native grasses and forbs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p> | | | | | | | | | | |
| 71 61116071-Cut | 51.2 | 4124 - Red with White Oak | Sawtimber Well | 88 | 81-110 | Harvest | Overstory Removal | 4139 - Aspen, Mixed Deciduous | Even-Aged | No |
| <p><u>Prescription</u> Remove Overstory of Stand with standard area retention left along ORV trail. Cut all trees greater than 6 inches in DBH. Protect advance regeneration during harvest. Do not cut any pine during harvest. Mark less than 1 white oak per acre for seed source. Use oak wilt spec no exemptions and ORV trail protection spec in timber sale contract.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Fully to Moderately stocked stand of aspen, with component of red maple, pine and oak.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p> | | | | | | | | | | |

Total Treatment 487.3
Acreage Proposed:

Report 4 – Site Conditions

Compartment: 116
Year of Entry: 2026

Traverse City Mgt. Unit
Thomas Peterson III: Examiner

Availability for Management

| Total Acres | Acres Available | Acres Avail | | Dominant Site Conditions | Dominant Site Conditions | | | | | | |
|----------------|--------------------|----------------|---------------|--------------------------|--------------------------|------------|----|----|----|----|----|
| | | With Condition | Not Available | | 5B | 5C | 1A | 2G | 3J | 5E | |
| 743 | 610 | 123 | 10 | Aspen | | 123 | | | | | 10 |
| 13 | 13 | 0 | 0 | Herbaceous Openland | | | 0 | | | | 0 |
| 17 | 17 | 0 | 0 | Low-Density Trees | | | | | | | |
| 22 | 1 | 0 | 20 | Lowland Conifers | | | 5 | 11 | 2 | | 3 |
| 19 | 14 | 0 | 5 | Lowland Shrub | | | 5 | | | | |
| 7 | 0 | 0 | 7 | Marsh | | | | | | | 7 |
| 58 | 58 | 0 | 0 | Mixed Upland Deciduous | | | | | | | |
| 84 | 72 | 9 | 3 | Natural Mixed Pines | | 9 | | | 3 | | 1 |
| 564 | 564 | 0 | 0 | Northern Hardwood | | | | | | | 0 |
| 126 | 51 | 75 | 0 | Oak | 47 | 28 | | | 0 | | 0 |
| 287 | 242 | 31 | 14 | Red Pine | | 31 | | | | | 14 |
| 76 | 7 | 68 | 0 | Upland Mixed Forest | | 68 | | | | | 0 |
| 13 | 12 | 0 | 0 | Water | | | 0 | | | | |
| 29 | 29 | 0 | 0 | White Pine | | | 0 | 0 | 0 | | 0 |
| 2,058 | 1,691 | 306 | 61 | Total Forested Acres | 47 | 259 | 10 | 12 | 5 | | 34 |
| | 82% | 15% | 3% | Relative Percent | | | | | | | |

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

| Site No. | Dominant Site Cond Availability | Dominant Site Condition | Acres | Other Site Condition | Other Site Condition | Other Site Condition | Other Site Condition |
|------------------|---------------------------------|---|-------|----------------------|----------------------|----------------------|----------------------|
| 1 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 2 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 11 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Compartment: 116

Year of Entry: 2026

Traverse City Mgt. Unit

Thomas Peterson III: Examiner

| | | | | | | | |
|---|--------------------|---|-----|--|-------------|-------------|-------------|
| 3 | Unavailable | 1A: Federal/State/Local Law | 10 | 3J: Water quality / BMPs (stream, river, or lake) | Unspecified | Unspecified | Unspecified |
| Comments: Natural Rivers buffer | | | | | | | |
| 4 | Unavailable | 5E: Long-Term Retention | 9 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 5 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 28 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 6 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 123 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 8 | Available | 5B: Maintain for regeneration purposes | 48 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 9 | Unavailable | 5E: Long-Term Retention | 13 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 10 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Compartment: 116

Year of Entry: 2026

Traverse City Mgt. Unit

Thomas Peterson III: Examiner

| | | | | | | | |
|---------------------------------|-------------|--|----|--|-------------|-------------|-------------|
| 11 | Unavailable | 5E: Long-Term Retention | 3 | 3J: Water quality / BMPs (stream, river, or lake) | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 12 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 0 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 13 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 14 | Unavailable | 5E: Long-Term Retention | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Small bogs. | | | | | | | |
| 15 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 9 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 16 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 68 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Compartment: 116

Year of Entry: 2026

Traverse City Mgt. Unit

Thomas Peterson III: Examiner

| | | | | | | | |
|------------------|--------------------|---|----|-------------|-------------|-------------|-------------|
| 17 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 31 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 19 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 20 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 21 | Unavailable | 5E: Long-Term Retention | 0 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 23 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 24 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

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

| |
|----------|
| Comments |
|----------|



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

| Conservation Area | Type | Description |
|-------------------|-----------------------------|--|
| SCA | Cold Water Lake | A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200. |
| SCA | Cold Water Stream | A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210. |
| SCA | Research and Military Areas | These areas provide facilities and lands specifically dedicated for research, or other purposes. They include the 5,847 acre Forest Fire Experiment Station, the 12,000 acre Houghton Lake Wildlife Research Area, the Beaver Islands Archipelago Wildlife Research Area (that includes most of Garden Island, all of High and Hog Islands, all state owned land on Beaver, South Fox and North Fox Islands), the Cusino Wildlife Research Area, the 3,000 acre Hunt Creek Fisheries Research Station, the 125 acre Wyman Nursery, and over 144,000 acres of Military Lands. |
| HCVA | Designated Critical Habitat | Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat. |
| HCVA | Natural Rivers | There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-----------------|------------|------------|-------------|--------------|--|----|----------|----|--|-----------|----|----------|----|--|----------------|----|--------------|----|----|----------------|----|----------|----|----|---|----|--------------------|---------|-------------|--|----------------|--------------------|----------|-------------|---|-----------|--------------------|--------------|-------------|----------------------|------------|--------------|--------------|--------------|-----------|----------|----------|--------------|---------|--------------|--------------|----------------|--------|--------------|---------|
| 1 | 4133 - Aspen, Mixed Pine | Poletimber Well | 17.8 | 46 | 51-80 | N/A | 2024 - Stand has larger pine with aspen growing under it. Clearcut stand in 10 years. 1978 - Stand was harvested. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>3</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>50</td> <td>Pole</td> <td>8</td> <td>46</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>20</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>White Oak</td> <td>2</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Red Maple | 3 | Pole | 6 | | Red Oak | 5 | Log | 14 | | Bigtooth Aspen | 50 | Pole | 8 | 46 | White Pine | 20 | Log/Pole | 10 | | Red Pine | 20 | Log | 12 | | White Oak | 2 | Log | 14 | | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | White Pine | Low | 10 - 20 feet | Sapling | White Oak | Low | Variable | Sapling | Red Oak | Low | 10 - 20 feet | Sapling | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 3 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 5 | Log | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 50 | Pole | 8 | 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 20 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 20 | Log | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | 2 | Log | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 42111 - Planted Red Pine, Mixed Deciduous | Sawtimber Well | 12.8 | 85 | 111-140 | N/A | 2024 - Stand was left as retention for stand 8 to protect wet kettle hole. Steep drop off to kettle hole and rolling terrain throughout stand. 1939 - Stand was planted to red and Jack 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>Red Maple</td> <td>10</td> <td>Log/Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log/XLog</td> <td>16</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>60</td> <td>Log/Pole</td> <td>10</td> <td>85</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Red Maple | 10 | Log/Pole | 8 | | Red Oak | 10 | Log | 14 | | White Pine | 10 | Log/XLog | 16 | | Bigtooth Aspen | 10 | Pole/Log | 8 | | Red Pine | 60 | Log/Pole | 10 | 85 | <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>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Medium</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Red Maple | Low | 10 - 20 feet | Sapling | White Pine | High | Variable | Sapling | Red Pine | Medium | >20 feet | Sapling | Black Cherry | Low | 10 - 20 feet | Sapling | Bigtooth Aspen | Medium | 10 - 20 feet | Sapling |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 10 | Log/Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 10 | Log | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 10 | Log/XLog | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 10 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 60 | Log/Pole | 10 | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | Medium | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 6129 - Mixed Coniferous Lowland Forest | Poletimber Well | 11.3 | 64 | 51-80 | N/A | 2024 - Small depression between 2 ridges. Very wet ground with leatherleaf. More red pine along edges and slopes, including some pockets that appear very old. Portions of stand are lowland shrub with no trees in it at this time. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>30</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Log/Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Pole/Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>40</td> <td>Pole</td> <td>6</td> <td>64</td> </tr> <tr> <td>Tamarack</td> <td>15</td> <td>Pole/Sapling</td> <td>4</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | White Pine | 30 | Log/Pole | 12 | | Red Pine | 10 | Log/Pole | 8 | | Red Maple | 5 | Pole/Sapling | 4 | | Black Spruce | 40 | Pole | 6 | 64 | Tamarack | 15 | Pole/Sapling | 4 | | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</td> <td>Low</td> <td>10 - 20 feet</td> <td>Pole</td> </tr> <tr> <td>Black Spruce</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Red Maple | Medium | >20 feet | Sapling | Northern White Cedar | Low | 10 - 20 feet | Pole | Black Spruce | Medium | Variable | Sapling | Tag Alder | Low | 5 - 10 feet | Tall Shrub | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 30 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 10 | Log/Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 5 | Pole/Sapling | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | 40 | Pole | 6 | 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tamarack | 15 | Pole/Sapling | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern White Cedar | Low | 10 - 20 feet | Pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag Alder | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 500 - Water | Nonstocked | 3.6 | | Unspecified | No | 2024 - Kettle lake with steep banks down to lakes edge. Water in stand during inventory. Lowland shrub surrounds small lake with pines growing on steep banks. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 42260 - Natural Pine, Mixed Deciduous | Sawtimber Well | 11.5 | 93 | 111-140 | N/A | 2024 - Unique stand, drops down into kettle lake and kettle bog areas. stand is on slope. most of stand would not be able to be harvested due to bmp guidelines. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>20</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>White Pine</td> <td>35</td> <td>Log/Pole</td> <td>12</td> <td>93</td> </tr> <tr> <td>Red Pine</td> <td>25</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Bigtooth Aspen | 20 | Pole | 8 | | Red Maple | 20 | Pole | 8 | | White Pine | 35 | Log/Pole | 12 | 93 | Red Pine | 25 | Log/Pole | 12 | | <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>Bigtooth Aspen</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Bigtooth Aspen | Medium | Variable | Sapling | Red Maple | Medium | 5 - 10 feet | Sapling | Jack Pine | Low | < 5 feet | Sapling | Red Pine | Low | < 5 feet | Sapling | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 20 | Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 20 | Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 35 | Log/Pole | 12 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 25 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 500 - Water | Nonstocked | 4.5 | | Unspecified | No | 2024 - Part of South Black Lake 2014 - This is a tributary of the Manistee River, subject to Natural Rivers regulations. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 629 - Mixed non-forested wetland | Nonstocked | 2.5 | | Unspecified | No | 2024 - Two kettle-like depressions. No visible water in stand. Mostly leatherleaf and other shrubs. A few scattered pine saplings and tag alder around the edges. Small forested patch in between them. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|----------------|---------|------------|-------------|-----------------|--|--|----------------|---------|------------|-----|-----|------------|----|--------------|----|----|----------|----|----------|----|----|-----------|----|----------|----|--|------------------|----|----------|----|--|--|--------------------|---------|-------------|------|--|--------------------|--------------|-------------|------------|-----------|----------|----------|---------|------------|-----|----------|---------|------------|--------|-------------|---------|---------------|-----|----------|---------|
| 8 | 42110 - Planted Red Pine | Sapling Well | 69.7 | 4 | Immature | N/A | 2023 - Year 3 Regeneration survey was completed 10/12/2023. There are currently 768 trees per acre and stand is 99% Free to Grow at this time. 11/9/2021 - Year 1 regeneration survey completed. Stand has approximately 813 trees per acre. Stand is free to grow at this time no herbicide treatment is currently recommended. 5/3/2021 - Stand was planted to red pine. 794 Trees per acre at time of planting. WWGD Red Pine, 61-157-16-01. FTP -C62-879 2020 - Stand was site prep sprayed. 2019 - Stand was Roller chopped in June and Trenched last summer 2019. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 100 | Sapling | 1 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 629 - Mixed non-forested wetland | Nonstocked | 17.0 | | Unspecified | No | 2024 - Corridor for Black Creek, which is a tributary of the Manistee River. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 6239 - Mixed Emergent Wetland | Nonstocked | 6.6 | 0 | Unspecified | No | 2024 - Stand all contain vernal pools, with lowland shrubs and pine surrounding them. These stands were left as retention for stand 20 shelterwood harvest. 2014 - Vernal pool areas excluded from treatment on Stand 20. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 500 - Water | Nonstocked | 4.5 | | Unspecified | No | 2024 - Kettle lake with steep banks to water's edge. Stand has lowland shrubs surrounding it. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 4123 - Red Oak | Sawtimber Well | 27.6 | 95 | 81-110 | N/A | 2024 - Stand has heavy understory of white pine, could use white pine as nurse crop for oak during harvest. Stand is hilly drops into black lake / black creek on one side and kettle hole with standing water on other side. Stand does have some oak showing signs of die back. 1996 - Stand was harvested under sale Stand 8 Oak, sale 61-062-96-01, completed 12/1996. Removed bigtooth aspen, thinned oak and cut some red maple and red pine. Heavy white pine or aspen understory in places. Stand is on a north-south ridge. West side slopes down to creek on a relatively steep incline. North end is local high spot. More red and white pine at bottom of slope near wetter areas. Residual BA is variable. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>70</td> <td>Log/Pole</td> <td>12</td> <td>95</td> </tr> <tr> <td>White Oak</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log</td> <td>10</td> <td></td> </tr> </tbody> </table> | Canopy Species | % Cover | Size Class | DBH | Age | Red Pine | 10 | Log/Pole | 10 | | Red Oak | 70 | Log/Pole | 12 | 95 | White Oak | 5 | Log/Pole | 12 | | White Pine | 15 | Log | 10 | | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | Sub-Canopy Species | Density | Avg. Height | Size | Bigtooth Aspen | Medium | 10 - 20 feet | Sapling | White Pine | High | Variable | Sapling | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 10 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 70 | Log/Pole | 12 | 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | 5 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 15 | Log | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | Medium | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 42290 - Natural Mixed Pine | Sawtimber Poor | 7.1 | 88 | 51-80 | N/A | 2024 - Stand was thinned 8 years ago, understory starting to fill back in. Consider removing the top in 10 years. 2018 - Stand was thinned as part of sale Honeymoon Cabin Mix 61-147-16 2014 - Transitional stand between upland and lowland along creek. Mostly upland but slopes towards water and may contain isolated wet spots. Variable stand; parts are almost all white pine in canopy and other parts are almost all red pine. Short-lived species (paper birch, aspen) used to be part of canopy. Evidence of past fire. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>50</td> <td>Pole/Sap/Log</td> <td>6</td> <td>88</td> </tr> <tr> <td>Red Pine</td> <td>35</td> <td>Log/Pole</td> <td>12</td> <td>88</td> </tr> <tr> <td>White Oak</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>3</td> <td>Log/Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>2</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table> | Canopy Species | % Cover | Size Class | DBH | Age | White Pine | 50 | Pole/Sap/Log | 6 | 88 | Red Pine | 35 | Log/Pole | 12 | 88 | White Oak | 10 | Log/Pole | 10 | | Northern Pin Oak | 3 | Log/Pole | 8 | | Balsam Fir | 2 | Pole | 6 | | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Pole</td> </tr> <tr> <td>Northern White Cedar</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table> | Sub-Canopy Species | Density | Avg. Height | Size | Red Maple | Low | Variable | Sapling | White Pine | Low | Variable | Sapling | Balsam Fir | Medium | 5 - 10 feet | Sapling | Quaking Aspen | Low | < 5 feet | Sapling |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 50 | Pole/Sap/Log | 6 | 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 35 | Log/Pole | 12 | 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | 10 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern Pin Oak | 3 | Log/Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 2 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Low | Variable | Pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern White Cedar | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 310 - Herbaceous Openland | Nonstocked | 4.4 | | Unspecified | Managed Opening | 2024 - Wildlife has signs up as managed food plots. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------------|-----------------|------------|------------|-------------|-----------------|--|------------------|----|--------------|----|----|------------------|----|---------------|----|----|--|----|--------------------|---------|-------------|----------------|------------|--------------|----------|---------|---|---|--------------------|---------|-------------|----------|-----------|--------|--------------|---------|--|-----|--------------------|---------|----------------------|------|--------------|---------|----------------|---------|-----------|---------|--------------|---------|--------------|------------|-------------|---------|----------|---------|-----------|-----|----------|---------|-----------|-----|----------|---------|----------|--------|----------|---------|
| 15 | 4130 - Aspen | Sapling Well | 7.2 | 28 | Unspecified | N/A | 2024 - Stand is fully stocked sapling aspen stand. 1996 - Stand was final harvested under sale Lake Valley Road Aspen, sale 61-006-96-01. Removed everything > 2" DBH> Good regeneration. Fully stocked aspen stand, with a few pole-sized oak left and scattered advanced oak saplings. A few small openings along the edges. Evidence of beaver chewing on the east edge of stand. Old railroad grade runs through the western part of stand. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 95 | Sapling | 3 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern Pin Oak | 5 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 31021 - Cool Season Grass | Nonstocked | 2.8 | | Unspecified | Managed Opening | 2024 - Wildlife planted opening. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 4133 - Aspen, Mixed Pine | Poletimber Well | 15.4 | 56 | 51-80 | N/A | 2024 - Stand has variable size aspen from sapling to Log size. Stand has a lot of white pine in understory. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 2 | Pole/Sapling | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 19 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 2 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 70 | Pole/Sap/Log | 7 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern Pin Oak | 2 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 5 | Log | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | High | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 310 - Herbaceous Openland | Nonstocked | 2.3 | | Unspecified | Managed Opening | 2024 - Wildlife Managed Opening | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 42290 - Natural Mixed Pine | Sawtimber Well | 18.0 | 86 | 81-110 | N/A | 2024 - Stand has fully stocked understory of aspen at this time. 2008 - Stand has all red pine removed that was greater than 12 Inches in DBH under sale Lake Valley Red, sale # 61-078-06-01. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 10 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 40 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 5 | Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 45 | Log/Pole | 10 | 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 42200 - Natural White Pine | Sawtimber Poor | 29.1 | 64 | 51-80 | N/A | 2018 - Stand was shelterwood harvested under sale - Honeymoon Cabin Mix 61-147-161986 - Part cut as Upper Black Creek Sale, 61-025-86-01, removed all aspen plus marked white pine, red pine and jack pine. Slopes toward creek on west side of stand. Has some low and/or wet areas, especially north central part of stand and along eastern border. Mostly dense understory. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern Pin Oak | 5 | Log | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 60 | Log/Pole/XLog | 12 | 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 25 | Log/Pole/XLog | 12 | 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | 10 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern White Cedar | Low | 10 - 20 feet | Pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Witch Hazel | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 310 - Herbaceous Openland | Nonstocked | 2.1 | | Unspecified | Managed Opening | 2024 - Wildlife Managed opening. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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

22 330 - Low-Density Trees Nonstocked 9.3 Immature Managed Opening 2024 - Giant kettle hole with some scattered black cherry and jack pine in it.

23 6129 - Mixed Coniferous Lowland Forest Poletimber Well 10.4 78 51-80 N/A 2024 - Stand adjacent to Black creek
2014 - Corridor for Black Creek, which is a tributary of the Manistee River. This southern part of the corridor is more forested than the northern part closer to the beaver dams. Understory is thick with tag alder and shrub trees. It appears that the culvert where the creek flows under Black Lake Road may have been crushed.

| Canopy Species | % Cover | Size Class | DBH | Age |
|----------------------|---------|--------------|-----|-----|
| Northern White Cedar | 30 | Pole | 6 | 78 |
| White Pine | 20 | Log | 12 | |
| Black Spruce | 10 | Pole/Sapling | 4 | |
| Balsam Fir | 5 | Pole/Sapling | 4 | |
| Tamarack | 20 | Pole/Sapling | 4 | |
| Red Maple | 8 | Pole/Sapling | 4 | |
| Hemlock | 2 | Pole | 6 | |
| Paper Birch | 5 | Pole/Sapling | 4 | |

| Sub-Canopy Species | Density | Avg. Height | Size |
|----------------------|---------|--------------|------------|
| Northern White Cedar | Medium | 5 - 10 feet | Sapling |
| Red Maple | Low | 10 - 20 feet | Sapling |
| Balsam Fir | Medium | >20 feet | Sapling |
| Tag Alder | High | 5 - 10 feet | Tall Shrub |

24 42210 - Natural Red Pine Sawtimber Poor 30.9 87 1-50 N/A 2024 - Old shelter wood cut. Remove pine and release aspen in 10 years.
2018 - Stand was shelter wood harvested under sale - WWGD Red Pine 61-157-16
2014 - Western portion has the red maple in canopy and a more diverse understory (heavy soft maple, beech, cherry oak, white pine). BA is slightly lower in treated part (130, 140). Pine is mediocre quality.
1997 - Eastern 2/3 (Section 22) treated as Halloween Pines, 61-012-96-01

| Canopy Species | % Cover | Size Class | DBH | Age |
|----------------|---------|---------------|-----|-----|
| White Pine | 40 | Log/Pole | 12 | 87 |
| Red Pine | 60 | Log/XLog/Pole | 12 | 87 |

| Sub-Canopy Species | Density | Avg. Height | Size |
|--------------------|---------|-------------|------------|
| Red Oak | Low | Variable | Sapling |
| Bigtooth Aspen | Medium | Variable | Sapling |
| Witch Hazel | Low | 5 - 10 feet | Tall Shrub |
| Red Maple | Medium | Variable | Sapling |
| White Pine | Low | Variable | Sapling |

26 3102 - Grass Nonstocked 1.9 Unspecified Managed Opening 2024 - Wildlife Managed Opening.

27 4133 - Aspen, Mixed Pine Poletimber Well 207.2 49 51-80 N/A 2024 - Stand is poor quality aspen ranging from sapling to log size depending on what area of stand you are in. Aspen seems to be a little higher quality at north end of stand.
1975 - Stand was final harvested.

| Canopy Species | % Cover | Size Class | DBH | Age |
|----------------|---------|--------------|-----|-----|
| Red Maple | 5 | Pole/Sap/Log | 6 | |
| Bigtooth Aspen | 70 | Pole/Sap/Log | 8 | 49 |
| White Pine | 10 | Log/Pole/Sap | 12 | |
| Jack Pine | 3 | Pole/Sapling | 6 | |
| Black Cherry | 2 | Pole/Sapling | 6 | |
| Red Pine | 10 | Log/Pole/Sap | 12 | |

29 4130 - Aspen Sapling Well 16.6 16 Immature N/A 2024 - Fully stocked sapling aspen stand
2008 - Stand was final harvested under sale Blue Lake M72 Pine, 61-084-06-01. Small depression on southwest side.

| Canopy Species | % Cover | Size Class | DBH | Age |
|------------------|---------|------------|-----|-----|
| Bigtooth Aspen | 75 | Sapling | 2 | 16 |
| Red Maple | 10 | Sapling | 1 | |
| White Pine | 3 | Sapling | 2 | |
| Northern Pin Oak | 2 | Sapling | 1 | |
| Black Cherry | 10 | Sapling | 1 | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------------|----------------|---------|------------|----------|--------------|--|-----|----------|----|----|---------------|----|--------------|----|----|------------|----|---------------|----|----|---|----|--------------------|---------|-------------|--|--------------|--------------------|----------|-------------|---|-----------|--------------------|----------|-------------|--------------|----------|----------|-----------|-----------|----------|----------|-----------|----------------|----------|----------|---------|--------|----------|---------|-----------|--------|----------|---------|--|--|
| 30 | 4133 - Aspen, Mixed Pine | Sapling Well | 25.9 | 37 | 1-50 | N/A | 2024 - Stand has turned to poles size stand this year of entry. 2014 - Good regeneration, some trees just starting to reach pole size. Scattered overstory red and white pine, left as residual. Relatively flat terrain. 1987 - Middle Black Lake Sale, 61-031-86-01, clearcut completed 7/1987. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>75</td> <td>Pole/Sapling</td> <td>6</td> <td>37</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log</td> <td>10</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Log</td> <td>10</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Red Maple | 5 | Sapling | 2 | | Quaking Aspen | 75 | Pole/Sapling | 6 | 37 | White Pine | 10 | Log | 10 | | Red Pine | 10 | Log | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 5 | Sapling | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 75 | Pole/Sapling | 6 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 10 | Log | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 10 | Log | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | 42290 - Natural Mixed Pine | Sawtimber Poor | 12.9 | 87 | 1-50 | N/A | 2024 - Stand has fully stocked aspen and red maple understory. Not sure if there is enough overstory pine to go after. 2017 - Stand was Crown Thinned Under Sale - No Red Pine Left Behind 61-133-16. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>40</td> <td>Log/Pole</td> <td>10</td> <td>87</td> </tr> <tr> <td>Red Maple</td> <td>25</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>35</td> <td>Log/XLog/Pole</td> <td>12</td> <td>87</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | White Pine | 40 | Log/Pole | 10 | 87 | Red Maple | 25 | Pole/Log | 8 | | Red Pine | 35 | Log/XLog/Pole | 12 | 87 | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Trace</td> <td>Variable</td> <td>Seeding</td> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Black Cherry | Low | Variable | Sapling | Bigtooth Aspen | High | Variable | Sapling | Red Oak | Low | Variable | Sapling | White Oak | Low | Variable | Sapling | Jack Pine | Trace | Variable | Seeding | Beech | Medium | Variable | Sapling | Red Maple | Medium | Variable | Sapling | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 40 | Log/Pole | 10 | 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 25 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 35 | Log/XLog/Pole | 12 | 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | Trace | Variable | Seeding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | 4130 - Aspen | Sapling Well | 42.9 | 26 | Immature | N/A | 2024 - Fully stocked aspen stand with some larger scattered pine throughout it 1998 - Stand was final harvested under sale number 61-113-96-01. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>65</td> <td>Sapling</td> <td>3</td> <td>26</td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>White Pine</td> <td>6</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>7</td> <td>Sapling/Pole</td> <td>3</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Bigtooth Aspen | 65 | Sapling | 3 | 26 | Red Pine | 2 | Log/Pole | 10 | | Red Maple | 20 | Sapling | 3 | | White Pine | 6 | Log/Pole | 10 | | Red Oak | 7 | Sapling/Pole | 3 | | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Beech</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Beech | Low | < 5 feet | Sapling | Red Pine | Low | < 5 feet | Sapling | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 65 | Sapling | 3 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 2 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 20 | Sapling | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 6 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 7 | Sapling/Pole | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 42110 - Planted Red Pine | Sawtimber Poor | 67.2 | 85 | 1-50 | N/A | 2024 - A lot of red pine left during last harvest. remove red pine to releases aspen and jack pine. 1997 - Stand was final harvested under sale Blind Porky Jack Pine, 61-064-96-01, completed 6/1997. Removed all jack pine except for a 50' wide buffer along the ORV trail. This stand is a mixture of pure regeneration and patchy areas with higher residual. ORV trail runs through stand. 1939 - Planting Records shows stand was planted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>80</td> <td>Log/XLog</td> <td>14</td> <td>85</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Red Oak | 5 | Log/Pole | 10 | | Red Maple | 5 | Pole/Log | 8 | | Red Pine | 80 | Log/XLog | 14 | 85 | White Pine | 10 | Log/Pole | 10 | | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Red Maple | Low | Variable | Sapling | Black Cherry | Low | Variable | Sapling | Jack Pine | Medium | Variable | Sapling | Bigtooth Aspen | High | Variable | Sapling | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 5 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 5 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 80 | Log/XLog | 14 | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 10 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 42110 - Planted Red Pine | Sapling Well | 16.2 | 4 | Immature | N/A | 2024 - Aspen and red maple on edges of stand encroaching. some scattered jack pine and oak growing in main part of red pine stand. Red pine planting was completed under - FTP C62-878. Trenched summer 2017. Planted May 2018. 1-year regen survey 10/24/2018. 28% mortality. 63% FTG. Recommend release. Release spray was requested but not completed due to higher priorities. Regen survey 9/21/20. 33% mortality. 632 surviving TPA. 87% FTG. Contractor recommends no replant and no release. Primary competition oaks & red maple. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 100 | Sapling | 1 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | |
|---------------------------|--------------------------|-------------------|--------------------|-------------|------------|--------------|--|--|
| 36 | 4133 - Aspen, Mixed Pine | Sapling Well | 17.8 | 16 | Immature | N/A | 2024 - Stand does have trenches and appears to be planted red pine. However, at this time red pine is almost all out competed by aspen. Portions of stand the red pine has not survived. 2014 - Stand Also contains scattered taller oak, red maple, cherry and aspen. Red maple (up to 2" dbh) is fairly heavy and aspen is thick in places. May need release. 2013 - Stand was replanted 2008 - Stand was planted to red pine 2008 2007 - Stand was trenched 2007 Under FTP C62-750 2007 - Stand was final harvest under sale - Blue Lake M72 Pine, 61-084-06-01, | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | |
| Red Oak | | 3 | Sapling | 2 | | | | |
| Black Cherry | | 5 | Sapling | 2 | | | | |
| Red Pine | | 32 | Sapling | 2 | 16 | | | |
| Bigtooth Aspen | | 50 | Sapling | 2 | 16 | | | |
| Red Maple | | 10 | Sapling | 2 | | | | |
| 37 | 4132 - Aspen, Jack Pine | Sapling Well | 23.2 | 16 | Immature | N/A | 2024 - Some open areas in stand, but stand has regenerated to aspen with Jack Pine Clumps scattered throughout it. 2008 - Stand was final harvested under sale, Blue Lake - M72 Pine. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | |
| Jack Pine | | 25 | Sapling | 1 | | | | |
| Black Cherry | | 10 | Sapling | 1 | | | | |
| Red Maple | | 10 | Sapling | 1 | | | | |
| Northern Pin Oak | | 5 | Sapling | 1 | | | | |
| Bigtooth Aspen | | 50 | Sapling | 1 | 16 | | | |
| 39 | 4113 - R.Maple, Conifer | Poletimber Medium | 14.2 | 75 | 1-50 | N/A | 2024 - Stand is filling with aspen, not enough timber to go after. Stand will most likely be an A3 stand next year of entry. 2017 - Stand was thinned under contract - No Red Pine Left Behind 61-133-16. It was cut winter 2016. There was scattered maple and pine Left. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | |
| Red Maple | | 60 | Pole/Log | 8 | 75 | | | |
| White Pine | | 40 | Log | 10 | | | | |
| Sub-Canopy Species | | Density | Avg. Height | Size | | | | |
| White Pine | | Low | Variable | Sapling | | | | |
| Jack Pine | | Trace | Variable | Sapling | | | | |
| Red Maple | | Low | Variable | Sapling | | | | |
| Beech | | Low | Variable | Sapling | | | | |
| Bigtooth Aspen | | High | Variable | Sapling | | | | |
| 40 | 4311 - Pine, Aspen Mix | Sawtimber Well | 68.5 | 85 | 111-140 | N/A | 2024 - Red Pine in stand is clearly planted in rows. Stand has aspen clones scattered throughout it. Basal area is variable throughout stand depending if you are in denser pine portion or aspen / red maple pockets. 1939 - Planting Records show stand was planted to pine in 1939. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | |
| Bigtooth Aspen | | 20 | Log/Pole | 10 | 68 | | | |
| Red Oak | | 8 | Log/Pole | 12 | | | | |
| Red Pine | | 35 | Log/XLog | 16 | 85 | | | |
| Jack Pine | | 2 | Pole | 8 | | | | |
| White Pine | | 20 | Log/Pole | 12 | | | | |
| Red Maple | | 15 | Log/Pole | 12 | | | | |
| Sub-Canopy Species | | Density | Avg. Height | Size | | | | |
| Red Maple | | Low | 10 - 20 feet | Sapling | | | | |
| White Pine | | Medium | Variable | Sapling | | | | |
| Beech | | Medium | 5 - 10 feet | Sapling | | | | |
| 41 | 42110 - Planted Red Pine | Sapling Well | 7.4 | 4 | Immature | N/A | 2024 - Stand appears to be in good shape at this time 2021 - Stand was released sprayed. 2018 - 1-year regen survey 10/23/2018. 2018 - Stand was planted to red pine 2017 - Stand was trenched FTP C62-8782016 - Cut winter 2016-17 | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | |
| Red Pine | | 100 | Sapling | 1 | 4 | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments |
|---------------------------|---|----------------|--------------------|-------------|------------|--------------|---|
| 42 | 42110 - Planted Red Pine | Sapling Well | 4.2 | 4 | Immature | N/A | 2021 - Stand was released sprayed. 2018 - Year 1 regen survey - 10/24/2018 by Armstrong & Crigier. 28% mortality. 57% FTG. Recommend release. 2018 - Stand was planted to red pine. 2017 - Stand was trenched. 2016 - Cut winter 2016-17. T |
| Canopy Species | | % Cover | Size Class | DBH | Age | | |
| Red Pine | | 100 | Sapling | 1 | 4 | | |
| 43 | 42111 - Planted Red Pine, Mixed Deciduous | Sapling Well | 57.5 | 16 | Immature | N/A | 2024 - Stand is fully stocked with a lot of competition competing with red pine at this time. 2013 - Stand was replanted 2008 - Stand was planted to red pine 2008 2007 - Stand was trenched 2007 Under FTP C62-750 2007 - Stand was final harvest under sale - Blue Lake M72 Pine, 61-084-06-01, |
| Canopy Species | | % Cover | Size Class | DBH | Age | | |
| Red Oak | | 5 | Sapling | 1 | | | |
| Red Maple | | 10 | Sapling | 1 | | | |
| Jack Pine | | 10 | Sapling | 1 | | | |
| Bigtooth Aspen | | 10 | Sapling | 1 | | | |
| Black Cherry | | 5 | Sapling | 1 | | | |
| 45 | 42110 - Planted Red Pine | Sapling Well | 16.5 | 4 | Immature | N/A | 2024 - Fully stocked planted red pine with some oak and jack pine scattered throughout it. East side of blue lake road has aspen clone established in it. 2021 - Stand was released sprayed. 2020 - Contract regen survey 9/21/20. 576 surviving TPA, 62% FTG. Primary competition oak + secondary cherry. Contractor recommends release. Contradictory data about replant. 2018 - 10/24/2018 by Armstrong & Crigier. 22% mortality and 55% FTG. Recommend release. Primary competition is aspen 2018 - Planted to red pine 2017 - Stand was trenched. |
| Canopy Species | | % Cover | Size Class | DBH | Age | | |
| Bigtooth Aspen | | 8 | Sapling | 1 | | | |
| Red Pine | | 77 | Sapling | 1 | 4 | | |
| Jack Pine | | 10 | Sapling | 1 | | | |
| 46 | 4130 - Aspen | Sapling Well | 69.9 | 16 | Immature | N/A | 2024 - Fully stocked aspen stands with some pockets of Jack Pine Throughout it. 2014 - Good aspen regeneration, although it is somewhat patchy and not many overstory red pine are left. A few pockets of denser jack pine and scattered advanced oak regeneration. 2007 - Stand was final harvested under sale Blue Lake Road Aspen, Sale #61-062-06-01. The sale was clearcut and chipped, with scattered pine left. |
| Canopy Species | | % Cover | Size Class | DBH | Age | | |
| Black Cherry | | 10 | Sapling | 2 | | | |
| Bigtooth Aspen | | 70 | Sapling | 2 | 16 | | |
| Red Oak | | 5 | Sapling | 2 | | | |
| 48 | 42290 - Natural Mixed Pine | Sawtimber Poor | 22.6 | 93 | 1-50 | N/A | 2024 - Stand is boarder lined whether the pine overstory should be taken off (enough wood to go after). Stand has several aspen clones scattered throughout it. Stand does have some rolling hills throughout it. 2017 Stand was thinned under sale - No Red Pine Left Behind 61-133-16. |
| Canopy Species | | % Cover | Size Class | DBH | Age | | |
| Red Pine | | 42 | Log/Pole | 12 | | | |
| White Pine | | 52 | Log/Pole | 12 | 93 | | |
| White Oak | | 3 | Log/Pole | 12 | | | |
| Red Oak | | 3 | Log | 12 | | | |
| Sub-Canopy Species | | Density | Avg. Height | Size | | | |
| White Oak | | Low | Variable | Sapling | | | |
| Bigtooth Aspen | | Full | Variable | Sapling | | | |
| Red Pine | | Low | Variable | Sapling | | | |
| Red Oak | | Low | Variable | Sapling | | | |
| Jack Pine | | Low | Variable | Sapling | | | |
| Red Maple | | Medium | Variable | Sapling | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | |
|---------------------------|---|-------------------|--------------------|-------------|------------|--------------|---|--|
| 49 | 42110 - Planted Red Pine | Sapling Well | 1.7 | 4 | Immature | N/A | 2024 - Stand is in good shape at this time. 2021 - Release Spray completed. 2020 - 3 Year Regeneration 25% survival. 50-75% FTG. Recommend release. Primary competition = oak. Fall 2018 - Year 1 Regeneration 20-25% survival. 50-75% FTG. 2018 - Planted May 2017 - Trenched summer 2016 - Stand was final harvested under sale - No Red Pine Left Behind 61-133-16 | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | |
| Red Pine | | 100 | Sapling | 1 | 4 | | | |
| 50 | 42111 - Planted Red Pine, Mixed Deciduous | Sapling Well | 2.9 | 4 | Immature | N/A | 2024 - Small planted red pine stand, red pine seedlings are doing good. 2021 - Release Spray completed. 2020 - 3 Year Regeneration 25% survival. 50-75% FTG. Recommend release. Primary competition = oak. Fall 2018 - Year 1 Regeneration 20-25% survival. 50-75% FTG. 2018 - Planted May 2017 - Trenched summer 2016 - Stand was final harvested under sale - No Red Pine Left Behind 61-133-16 | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | |
| White Oak | | 10 | Sapling | 1 | | | | |
| Black Cherry | | 10 | Sapling | 1 | | | | |
| Red Pine | | 80 | Sapling | 1 | 4 | | | |
| 51 | 4132 - Aspen, Jack Pine | Sapling Well | 17.0 | 17 | Immature | N/A | 2024- Aspen is dominant species in stand at this time. Stand could slowly convert to Mixed Pine stand depending how pine and aspen compete in the future. 2007 Stand was clearcut under sale Blue Lake M72 Pine, Sale # 61-084-06-01. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | |
| Red Pine | | 20 | Sapling | 2 | 17 | | | |
| Red Oak | | 5 | Sapling | 2 | | | | |
| Red Maple | | 10 | Sapling | 2 | | | | |
| Bigtooth Aspen | | 40 | Sapling | 2 | 17 | | | |
| Black Cherry | | 5 | Sapling | 2 | | | | |
| Jack Pine | | 20 | Sapling | 2 | | | | |
| 53 | 42290 - Natural Mixed Pine | Poletimber Medium | 11.9 | 60 | 51-80 | N/A | 2024 - Stand has kettle hole with wetland in bottom of it. Stand has steep terrain going to down to kettle hole. Pine is slowly filling in stand. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | |
| Jack Pine | | 45 | Pole | 6 | 60 | | | |
| Black Cherry | | 20 | Pole/Sapling | 5 | | | | |
| Bigtooth Aspen | | 5 | Pole/Sapling | 6 | | | | |
| Red Pine | | 30 | Log/Pole | 10 | 60 | | | |
| Sub-Canopy Species | | Density | Avg. Height | Size | | | | |
| Jack Pine | | Low | < 5 feet | Sapling | | | | |
| 56 | 4130 - Aspen | Sapling Well | 18.4 | 28 | Immature | N/A | 2024 - Stand should covert to pole size next year of entry. 1996 - Sale was final harvested under sale Big Doe Aspen sale, 61-009-96-01. | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | |
| Quaking Aspen | | 35 | Sapling | 3 | | | | |
| Red Maple | | 5 | Sapling | 2 | | | | |
| Bigtooth Aspen | | 60 | Sapling | 3 | 28 | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------------------|-----------------|------------|------------|----------|--------------|--|----------------|----|--------------|----|----|----------------|----|--------------|----|----|----------------|----|---------------|----|----|------------|----|--------------|----|--|------------------|---|--------------|---|--|--|----|--------------------|---------|-------------|---|-----------|--------------------|----------|-------------|-------|------------|-------------|-------------|----------|-------------|----------|-------------|-------------|-------------|----------|-------------|--------------|---------|-------------|----------|---------|----------------|-----|----------|---------|-----------|-----|----------|
| 59 | 4130 - Aspen | Sapling Well | 26.6 | 28 | Immature | N/A | 2024 - Fully Stocked Aspen Stand. Stand should convert to pole size next year of entry. 1996 - Sale was final harvested under sale Big Doe Aspen sale, 61-009-96-01, completed 8/1996. Removed everything > 2" DBH except oak. Good regeneration. Scattered overstory oak of decent quality and condition and a few pines. Gentle slope with western aspect. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Quaking Aspen</td><td>10</td><td>Sapling</td><td>2</td><td></td></tr> <tr><td>Bigtooth Aspen</td><td>60</td><td>Sapling/Pole</td><td>2</td><td>28</td></tr> <tr><td>Red Pine</td><td>10</td><td>Pole</td><td>6</td><td></td></tr> <tr><td>Red Oak</td><td>10</td><td>Pole/Log/Sap</td><td>8</td><td></td></tr> <tr><td>Jack Pine</td><td>5</td><td>Sapling/Pole</td><td>4</td><td></td></tr> <tr><td>Red Maple</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Quaking Aspen | 10 | Sapling | 2 | | Bigtooth Aspen | 60 | Sapling/Pole | 2 | 28 | Red Pine | 10 | Pole | 6 | | Red Oak | 10 | Pole/Log/Sap | 8 | | Jack Pine | 5 | Sapling/Pole | 4 | | Red Maple | 5 | Sapling | 2 | | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>White Pine</td><td>Low</td><td>< 5 feet</td><td>Sapling</td></tr> <tr><td>Witch Hazel</td><td>Low</td><td>5 - 10 feet</td><td>Tall Shrub</td></tr> <tr><td>Red Maple</td><td>Low</td><td>< 5 feet</td><td>Sapling</td></tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | White Pine | Low | < 5 feet | Sapling | Witch Hazel | Low | 5 - 10 feet | Tall Shrub | Red Maple | Low | < 5 feet | Sapling | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 10 | Sapling | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 60 | Sapling/Pole | 2 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 10 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 10 | Pole/Log/Sap | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 5 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 5 | Sapling | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Witch Hazel | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 4130 - Aspen | Poletimber Well | 52.7 | 37 | 1-50 | N/A | 2024- Stand is pole sized fully stocked aspen stand. 1987 Stand was final harvested under sale Regeneration Sale, 61-001-86-01. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pin Cherry | 5 | Sapling | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 5 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 80 | Pole/Sapling | 6 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 10 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | 4133 - Aspen, Mixed Pine | Poletimber Well | 86.9 | 48 | 51-80 | N/A | 2024 - Aspen is variable in stand. Aspen ranges from log size to sapling size. Aspen is poor quality at best. There is pine scattered throughout sale. With rolling hills and some opening throughout stand. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 15 | Log | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | 5 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 50 | Sapling/Pole | 4 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 12 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 5 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 13 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Witch Hazel | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | 4111 - S.Maple, Hard Mast Association | Sawtimber Well | 109.1 | 92 | 141-170 | N/A | 2024 - Stand contain small amounts of sugar maple in its understory. average basal area is around 145 at this time. 1996 - Stand 36 Hardwoods, sale 61-065-96-01, thinning completed January 1998. Contains a small pocket of healthy hemlock just north and west of North Forest Trail and two-track intersection. Northeastern edge is aspen that used to be typed as U0. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | 10 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 5 | Log | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 65 | Log/Pole/XLog | 14 | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 15 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 5 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beech | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | 4139 - Aspen, Mixed Deciduous | Poletimber Poor | 43.9 | 46 | 1-50 | N/A | 2024 - Stand is open area filling in. Could cut aspen and try expanding aspen clones. Stand has rolling hills, with some open areas still scattered throughout it. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Bigtooth Aspen</td><td>40</td><td>Pole/Sapling</td><td>7</td><td>46</td></tr> <tr><td>White Pine</td><td>15</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Black Cherry</td><td>35</td><td>Pole/Sapling</td><td>6</td><td>46</td></tr> <tr><td>Red Maple</td><td>5</td><td>Pole/Sapling</td><td>7</td><td></td></tr> <tr><td>Northern Pin Oak</td><td>5</td><td>Pole</td><td>6</td><td></td></tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Bigtooth Aspen | 40 | Pole/Sapling | 7 | 46 | White Pine | 15 | Pole | 8 | | Black Cherry | 35 | Pole/Sapling | 6 | 46 | Red Maple | 5 | Pole/Sapling | 7 | | Northern Pin Oak | 5 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 40 | Pole/Sapling | 7 | 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 15 | Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | 35 | Pole/Sapling | 6 | 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 5 | Pole/Sapling | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern Pin Oak | 5 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments |
|-------|---|---------------------------|----------------|--------------------|-------------|--------------|---|
| 65 | 3301 - Low Density Deciduous Trees | Nonstocked | 7.9 | | Immature | No | 2024 - Opening with scattered pole/log cherry trees and some shrubby red maple. |
| 68 | 4112 - Maple, Beech, Cherry Association | Sawtimber Well | 441.2 | 93 | 81-110 | N/A | 2024 - Stand has typical heavy beech understory after the harvest. Basal area is currently right around 82 square feet this year of entry. 2017 - Stand was Thinned January 2017-November 2017 under sale Deja Vu Hardwoods 61-102-16. Southeast part of stand had the most oak and beech, most of which was removed. BA will be lower there. 1996 - Comp 16 Hardwoods, sale 61-181-96-01, cut 7/1998-8/2000. Some very good quality hardwood, especially sugar maple. Some mortality in north part of stand, north of 2-track and west of ORV trail, similar to salvage sales in Compartment 113. Part of northeast part of stand was marked but not cut. ORV trail runs through stand. |
| | | Canopy Species | % Cover | Size Class | DBH | Age | |
| | | Red Oak | 5 | Log | 14 | | |
| | | Black Cherry | 5 | Pole | 6 | | |
| | | Sugar Maple | 70 | Log/Pole | 12 | 93 | |
| | | Red Maple | 20 | Log/Pole | 10 | | |
| | | Sub-Canopy Species | Density | Avg. Height | Size | | |
| | | Bigtooth Aspen | Low | Variable | Sapling | | |
| | | Sugar Maple | Low | 10 - 20 feet | Sapling | | |
| | | Red Maple | Medium | 5 - 10 feet | Sapling | | |
| | | Black Cherry | Low | 5 - 10 feet | Sapling | | |
| | | Ironwood | Medium | Variable | Sapling | | |
| | | Serviceberry (Juneberry) | Low | Variable | Sapling | | |
| | | Beech | High | Variable | Sapling | | |
| 69 | 4130 - Aspen | Sapling Well | 23.6 | 28 | Immature | N/A | 2024 - Should transition into pole stand next year of entry. 1996 - Part of Section 23 Aspen sale, 61-003-96-01. Removed everything except oak and hemlock in April 1996 with in interest in getting birch regeneration. That does not appear to have happened. Hemlock from previous stand has all but died out. This part of treatment responded very differently from east half, perhaps due to more overstory oak in east half. |
| | | Canopy Species | % Cover | Size Class | DBH | Age | |
| | | Red Oak | 10 | Log | 12 | 86 | |
| | | Red Maple | 15 | Sapling | 2 | | |
| | | Bigtooth Aspen | 65 | Sapling | 3 | 28 | |
| | | Black Cherry | 5 | Sapling | 1 | | |
| | | White Pine | 5 | Sapling | 2 | | |
| 71 | 4124 - Red with White Oak | Sawtimber Well | 51.2 | 88 | 81-110 | N/A | 2024- Typical species removal from past. Stand understory full of aspen and red maple. Some beech in area, and an oak seedling here and there mostly white oak seedlings if any. 1996 - Portion of stand west of ORV trail was harvested under sale Section 23 Aspen sale, 61-003-96-01. Removed everything except oak and hemlock in April 1996 with in interest in getting birch regeneration. That does not appear to have happened. Hemlock from previous stand has all but died out. This part of treatment responded very differently from west half, perhaps due to more overstory oak here. Stand is two-storied: older oak over mixed regeneration. ORV trail runs through the stand. |
| | | Canopy Species | % Cover | Size Class | DBH | Age | |
| | | Red Oak | 80 | Log | 13 | 88 | |
| | | White Oak | 20 | Log | 13 | | |
| | | Sub-Canopy Species | Density | Avg. Height | Size | | |
| | | Beech | Low | 5 - 10 feet | Sapling | | |
| | | Bigtooth Aspen | Medium | Variable | Sapling | | |
| | | White Pine | Low | Variable | Sapling | | |
| | | White Oak | Low | Variable | Sapling | | |
| | | Red Maple | High | 10 - 20 feet | Sapling | | |
| | | Red Oak | Low | Variable | Sapling | | |
| 72 | 4311 - Pine, Aspen Mix | Sawtimber Well | 7.1 | 52 | 111-140 | N/A | 2024 - Larger pine scattered throughout stand |
| | | Canopy Species | % Cover | Size Class | DBH | Age | |
| | | Red Maple | 20 | Log | 10 | | |
| | | Red Oak | 10 | Log | 12 | | |
| | | Bigtooth Aspen | 20 | Pole | 8 | | |
| | | White Pine | 50 | Log/Pole | 10 | 52 | |
| | | Sub-Canopy Species | Density | Avg. Height | Size | | |
| | | White Pine | High | Variable | Sapling | | |
| | | Red Maple | Low | 10 - 20 feet | Sapling | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|------------------|-------|-----------|--------------------|--------------|--|----------------|---------|------------|-----|-----|--------------------|---------|--------------|------|------------|-----------|----------|--------------|----|-------------|------------|-------------|------------|----------------|----|----------|----|--|-----------|------|----------|---------|-----------|----|------------------|----|--|------------|-----|----------|---------|-----------|----|----------|----|----|--|--|--|--|----------------|----|---------|---|---|--|--|--|--|
| 73 | 4133 - Aspen, Mixed Pine | Poletimber Well | 29.8 | 38 | 1-50 | N/A | 2024 - Stand has transitioned into pole stand this year of entry. Stand has larger scattered pine. 1986 - Habitat cut in 1986. White pine is mostly in discrete patches. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 60 | Pole/Sapling | 6 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 10 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 30 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 4123 - Red Oak | Sawtimber Well | 47.5 | 91 | 81-110 | N/A | 2024 - Very steep terrain, top of stand is flat dropping off to Jack Pine KW grounds. Some spots might be too steep to operate. Not much oak in almost fully stocked understory | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 70 | Log/XLog | 14 | 91 | Beech | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 15 | Log/Pole | 12 | | Red Maple | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemlock | 5 | Log/Pole | 12 | | White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | 10 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | 4191 - Mixed Upland Deciduous with Conifer | Sapling Medium | 58.1 | 7 | Immature | N/A | 2024 - Scattered large oak, parts of stand open otherws are fully stocked. Lots of deer browse issues 2017 - Stand was clearcut under sale - Obata Oak, 61-152-16-01. Left ~1 oak/acre and scattered pine and all white pine and oak less than 4" DBH.2014 - Some oak is fairly good quality. Rolling hills with western aspect. Steeper hill leads to pipeline at southeast end. O1997 - Everything except oak and hemlock removed in 1997 as part of 61-010-95-01 (with Comp 112). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 22 | Pole | 6 | | Witch Hazel | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 3 | Sapling | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 25 | Sapling/Pole/Log | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 10 | Log/Pole | 12 | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 30 | Sapling | 1 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |