



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32261

Entry Year 2021

Acreage: 1,276

County Marquette

Management Area: Chain Lakes Moraine

Revision Date: 2019-07-25

Stand Examiner: Jason Caron

Legal Description:

T45N-27W, Sections 24, 25, and 36.

Identified Planning Goals:

Within this compartment, goals are to maintain timber productivity, maintain and improve wildlife habitat and protect water quality. Timber types within this compartment will continue to be managed on an even aged basis.

Soil and topography:

Soils vary in this compartment from Kalkaska sand to Carbondale-Tawas mucks. The predominant upland soil is Pence fine sandy loam, which composes almost the entire northern two-thirds of the compartment. Croswell sand and the Croswell-Deford complex are the dominant soils in the southern third. The small amounts of mucks that do occur are in drainages and creeks surrounding Black Lake and Charley Lakes.

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

Ownership is primarily State with private individual holdings scattered throughout the surrounding landscape and concentrated around inland lakes. The Michigan Northwoods Club is located approximately 2 miles northwest of this compartment. Development is minimal within this area with private camps scattered around the lakes. Land use is consistent with that of state land, primarily hunting, fishing, and camping.

Unique Natural Features:

Natural lakes within the compartment.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

The central and southern regions of the eastern section of this compartment contain Poplar Creek, two unnamed waterbodies (small lakes), and Charlie Lakes. Poplar Creek is designated a Type 1 trout stream less than 50' width and serves as a tributary to Bryan Creek. A 300' buffer is recommended for Poplar Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

For Charlie Lakes and the unnamed waterbodies: 100' plus 5' per 1% increase in slope; buffers are recommended to protect shoreline areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Compartment 261 is found within the Chain Lakes Moraine Management Area; on a Disintegration Moraine in Southwestern Marquette County. The dominant Natural Communities are dry mesic northern forests, poor conifer swamps, and mesic northern forests. This management area offers opportunities to increase diversity and perhaps long-term oak sustainability through under planting white and red pine. Another priority is to maintain or increase wildlife corridors especially along riparian corridors. Wildlife management issues in the management area are: mast (hard and soft); habitat fragmentation; mature forest conditions; mesic conifer; coarse woody debris; and retention or development of large living and dead standing trees (for cavities). This management area represents approximately ¼ of the oak resource on WUP state forest.

The following have been identified as featured species for the Chain Lakes Management Area: black bear, gray jay, pileated woodpecker, Northern goshawk, red crossbill.

Mineral Resource and Development Concerns and/or Restrictions

The nearest active sand/gravel pit is located three miles to the southeast. There appears to be some sand & gravel

potential within the compartment. Abandoned iron mines are located six miles to the east, around Gwinn. There is no known iron ore potential within the compartment, but there may be potential for other metallic minerals. There has been past metallic mineral leasing activity within and around the compartment, but nothing within the past 30 years. There has been little to no documented mineral exploration in the area. There is no known potential for economic hydrocarbon production in the UP.

Vehicle Access:

There is decent access throughout this compartment. The Charlie Lakes Road (a county road) is the primary road to access this compartment. Secondary woods roads provide access through the compartment.

Survey Needs:

No survey needed for the prescribed treatments.

Recreational Facilities and Opportunities:

A portion of the Bass Lake Motorcycle trail traverses this compartment. The Bass Lake Campground is approximately two miles to the east of this compartment. No other facilities exist at this time.

Fire Protection:

There is good access throughout the compartment for all fire equipment. Vegetation is a mix of aspen, lowland conifer, and upland brush/grass opening. There is some jack pine in the southern portion of this compartment and immediately to the south in Dickenson County.

Additional Compartment Information:

The following reports from the Inventory are attached:

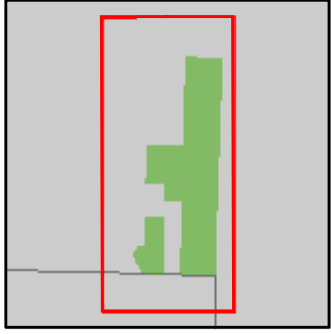
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

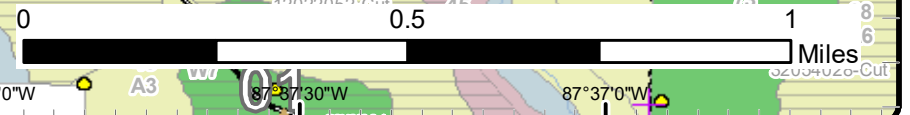
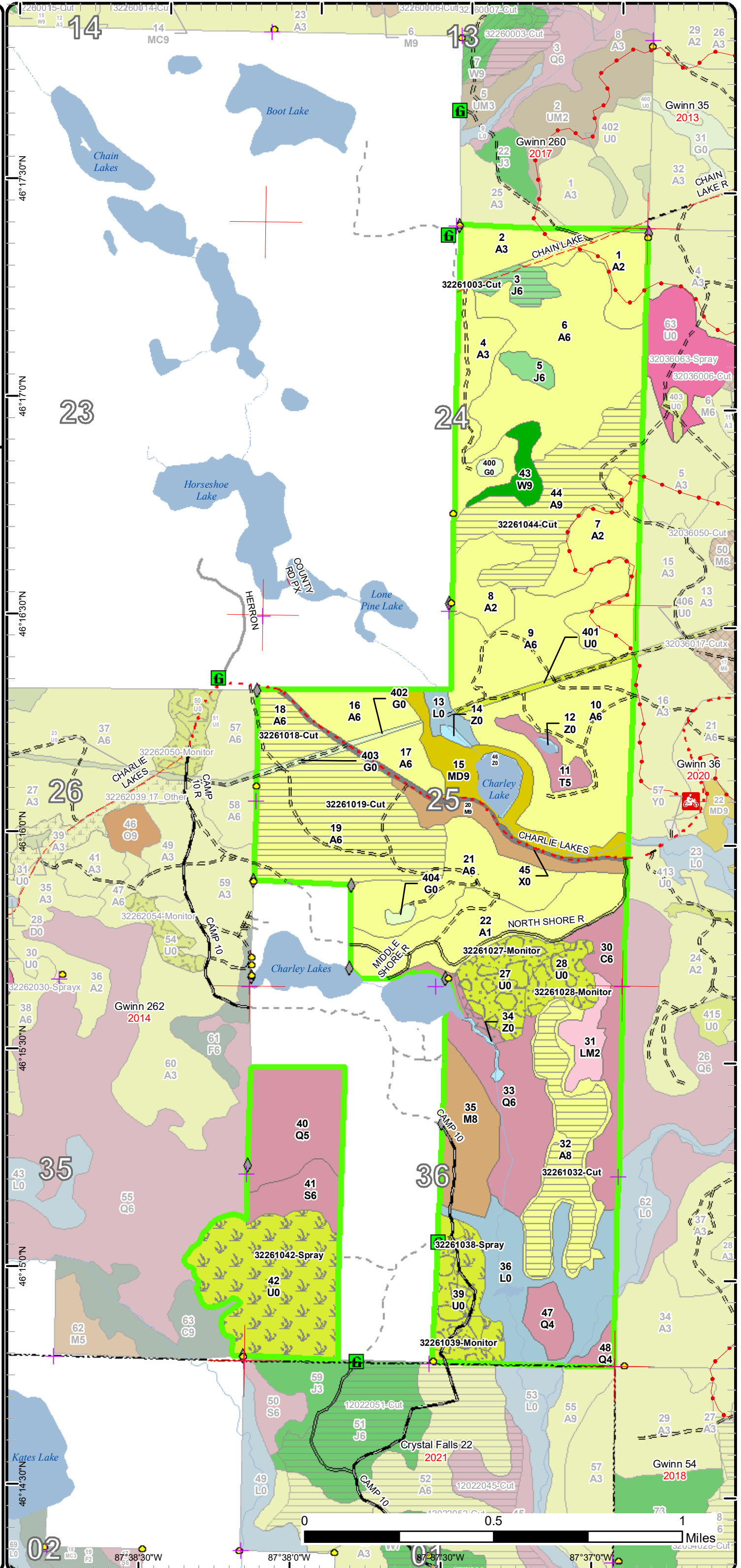
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 261
 T45N, R27W, Sec. 24, 25, 35, 36
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Chain Lakes Moraine
 YOE: 2021
 Acres: 1,276 GIS Calculated
 Examiner: Jason Caron
 Map Revised: 8/16/2019
 Map Phase: Web-Post

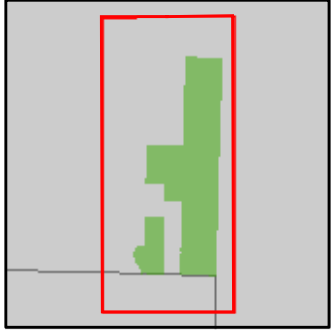


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Motorcycle Trails (DNR License)
- ORV License & Trail Permit
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Berms
- Gate
- Compartment Boundary
- Pesticide
- Clearcut (w/Reserves)
- Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- Lakes

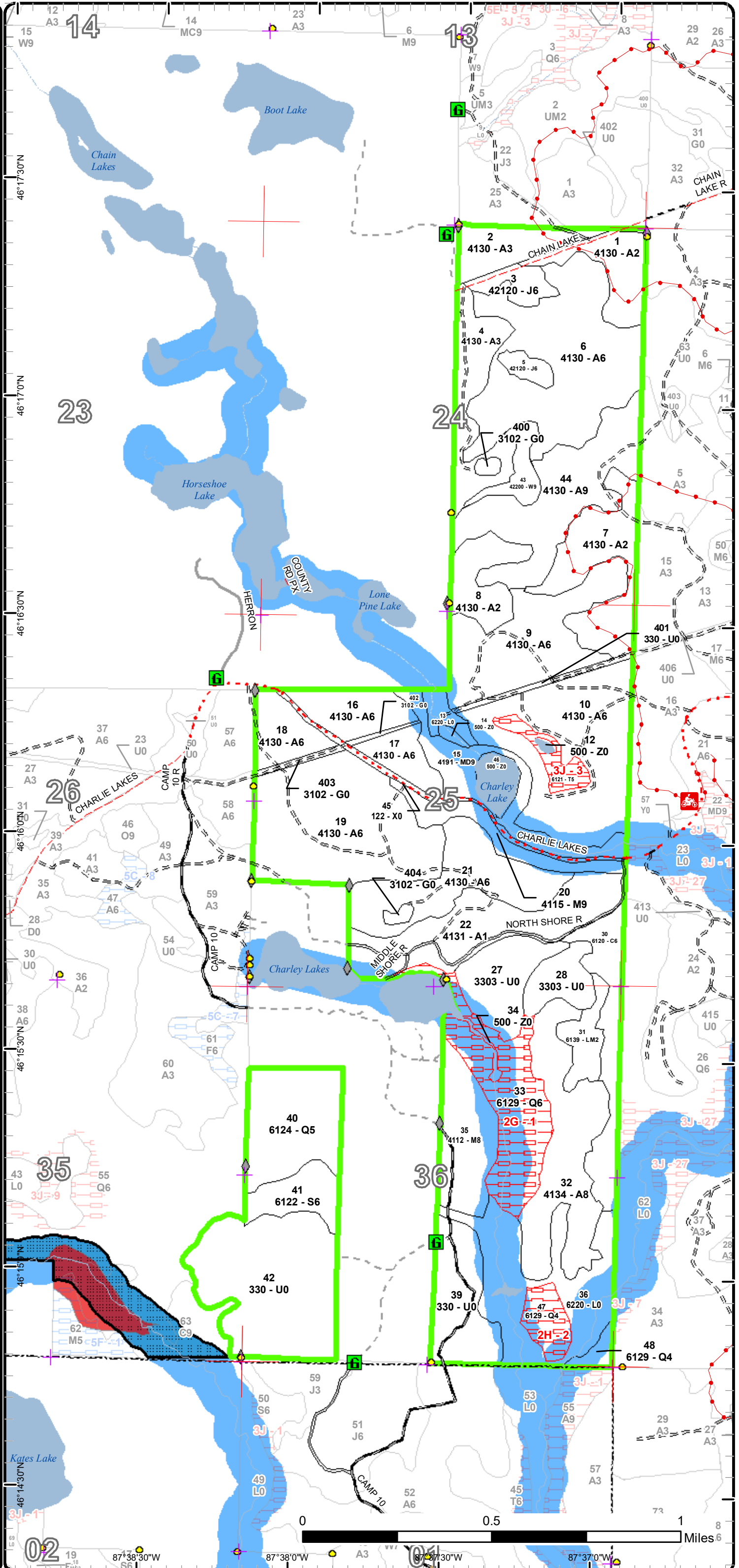


Special Conservation Areas & Site Conditions Map

Compartment: 261
 T45N, R27W, Sec. 24, 25, 35, 36
 County: Marquette
 Unit: Gwinn
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 YOE: 2021
 Acres: 1,276 GIS Calculated
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- Miris Corners
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- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Motorcycle Trails (DNR License)
- ORV License & Trail Permit
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Berms
- Gate
- Compartment Boundary
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Habitat Corridor



Report 1 – Total Acres by Cover Type and Age Class



Age Class

| | Non-Forest | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | 90-99 | 100-109 | 110-119 | 120-129 | 130-139 | 140-149 | 150+ | Uneven-Aged | Total |
|------------------------|------------|------------|-----------|------------|------------|------------|-----------|----------|-----------|-----------|----------|-----------|----------|----------|----------|----------|----------|-------------|-------------|
| Aspen | 0 | 141 | 21 | 79 | 136 | 295 | 0 | 0 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 733 |
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| Herbaceous Openland | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Jack Pine | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| Low-Density Trees | 163 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 163 |
| Lowland Conifers | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 112 |
| Lowland Mixed Forest | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Lowland Shrub | 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 |
| Lowland Spruce/Fir | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| Mixed Upland Deciduous | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| Northern Hardwood | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 34 |
| Tamarack | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Urban | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 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 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Total | 254 | 141 | 21 | 137 | 136 | 301 | 28 | 9 | 89 | 58 | 0 | 51 | 0 | 0 | 0 | 0 | 0 | 34 | 1257 |



Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2021

Acres of Harvest

Compartment 261

Total Compartment Acres: 1,276

Commercial Harvest - 221
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

| | Clearcut | Selection | Patch Clearcut | Seed Tree | Shelterwood | Thinning | Overstory Removal | Salvage | Other | Total Acres |
|--------------|------------|-----------|----------------|-----------|-------------|----------|-------------------|----------|----------|-------------|
| Aspen | 212 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 212 |
| Jack Pine | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Total | 221 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 221 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|------------|-----------|------------|----------|----------|------------|------------|----------|-----------------|-------------|
| Current | 221 | 0 | 0 | 0 | 0 | 95 | 64 | 0 | 0 | 380 |
| Next Step | 0 | 10 | 105 | 0 | 0 | 10 | 411 | 0 | 0 | 535 |
| Total | 221 | 10 | 105 | 0 | 0 | 105 | 475 | 0 | 0 | 915 |



| Stand | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-------|----------------|-------|---------------------------|-----------------|-----------|----------|----------------|-------------------------|--------------------------|---------------|-----------------|
| 3 | 32261003-Cut | 9.8 | 42120 - Planted Jack Pine | Poletimber Well | 71 | 81-110 | Harvest | Clearcut with Retention | 4212 - Planted Jack Pine | Even-Aged | Draft Proposal |

Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention. Red line out a patch of mature timber to meet retention guidelines.

Specs:

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

Treatments:

Acceptable Jack Pine

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

| | | | | | | | | | | | |
|----|--------------|------|--------------|-----------------|----|--------|---------|-------------------------|--------------------------|-----------|----------------|
| 18 | 32261018-Cut | 17.3 | 4130 - Aspen | Poletimber Well | 44 | 81-110 | Harvest | Clearcut with Retention | 4134 - Aspen, Spruce/Fir | Even-Aged | Draft Proposal |
|----|--------------|------|--------------|-----------------|----|--------|---------|-------------------------|--------------------------|-----------|----------------|

Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention. Red line out a patch of mature timber to meet retention guidelines. Do not harvest under-represented species within the

Specs: stand such as oak.

Wildlife Comment: Retention should include some mature Bigtooth Aspen particularly fork crowned individuals- northern goshawk, pileated woodpecker.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, balsam, spruce, maple, birch, balm, cedar, hemlock, and pine.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

| | | | | | | | | | | | |
|----|--------------|------|--------------|-----------------|----|-------|---------|-------------------------|--------------------------|-----------|----------------|
| 19 | 32261019-Cut | 88.4 | 4130 - Aspen | Poletimber Well | 44 | 51-80 | Harvest | Clearcut with Retention | 4134 - Aspen, Spruce/Fir | Even-Aged | Draft Proposal |
|----|--------------|------|--------------|-----------------|----|-------|---------|-------------------------|--------------------------|-----------|----------------|

Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention. Red line out areas to meet retention guidelines. Do not harvest under-represented trees within the stand such as red oak.

Specs:

Wildlife Comment: Retention should include some mature Bigtooth Aspen particularly fork crowned individuals- northern goshawk, pileated woodpecker.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, balsam, spruce, maple, birch, balm, cedar, hemlock, and pine.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

| | | | | | | | | | | | |
|----|------------------|------|--------------------------------|------------|---|-------------|------------|------------------------------|----------------------------|-----------|----------------------|
| 27 | 32261027-Monitor | 29.9 | 3303 - Mixed Low Density Trees | Nonstocked | 0 | Unspecified | Monitoring | Natural Regen (Re-Inventory) | 613 - Lowland Mixed Forest | Even-Aged | Draft Field Boundary |
|----|------------------|------|--------------------------------|------------|---|-------------|------------|------------------------------|----------------------------|-----------|----------------------|

Habitat Cut: No**Site Condition:**

Prescription Monitor the stand to make sure regeneration is adequate.

Specs:

Next Step

Treatments:

Acceptable Aspen, balm, fir, spruce, cedar, pine, hemlock, maple and birch.

Regen:

Other Percent to Treat = 100%

Comment:

Proposed Start Date: 6 /29/2025



| Stand Name | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------|--------------------------------|------------------|-----------|-------------|----------------|------------------------------|---------------------------|---------------|----------------------|
| 28 | 32261028-Monitor | 15.4 | 3303 - Mixed Low Density Trees | Nonstocked | 0 | Unspecified | Monitoring | Natural Regen (Re-Inventory) | 6124 - Lowland Spruce-Fir | Even-Aged | Draft Field Boundary |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> Monitor the stand to make sure regeneration is adequate. | | | | | | | | | | | |
| <u>Specs:</u> | | | | | | | | | | | |
| <u>Next Step</u> | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> spruce, fir, aspen, maple, balm, birch, hemlock and cedar | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> Percent to Treat = 100% | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 6 /29/2025 | | | | | | | | | | | |
| 32 | 32261032-Cut | 45.0 | 4134 - Aspen, Spruce/Fir | Sawtimber Medium | 77 | 51-80 | Harvest | Clearcut with Retention | 4134 - Aspen, Spruce/Fir | Even-Aged | Draft Proposal |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> Clearcut with reserves. Red line out areas to meet retention guidelines. Do not harvest under-represented species within the stand. Wildlife | | | | | | | | | | | |
| <u>Specs:</u> Comment: Retention should also include some larger Aspen look for trees with forked crown for raptor nesting sites – Northern Goshawk. | | | | | | | | | | | |
| <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> Aspen, balsam, spruce, maple, birch, balm, cedar, hemlock, and pine. | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/1 /2020 | | | | | | | | | | | |
| 39 | 32261038-Spray | 13.2 | 330 - Low-Density Trees | Nonstocked | 0 | | Pesticide | ERROR | 4222 - Natural Jack Pine | Even-Aged | Draft Field Boundary |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> Spray site before planting. | | | | | | | | | | | |
| <u>Specs:</u> | | | | | | | | | | | |
| <u>Next Step</u> Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr) | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> Jack pine, red pine, white pine, fir, spruce and aspen. | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> C32-894 | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/1 /2018 | | | | | | | | | | | |
| 39 | 32261039-Monitor | 18.4 | 330 - Low-Density Trees | Nonstocked | 0 | | Monitoring | Natural Regen (Re-Inventory) | 413 - Aspen | Even-Aged | Draft Field Boundary |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> | | | | | | | | | | | |
| <u>Specs:</u> | | | | | | | | | | | |
| <u>Next Step</u> | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> Trembling aspen, bigtooth aspen, balsam poplar, white pine, fir and spruce. | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> Percent to Treat = 100% | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 12/6 /2016 | | | | | | | | | | | |



| Stand Name | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|------------|----------------|-------|-------------------------|--------------|-----------|----------|----------------|------------------|--------------------------|---------------|----------------------|
| 42 | 32261042-Spray | 81.6 | 330 - Low-Density Trees | Nonstocked | 0 | | Pesticide | ERROR | 4212 - Planted Jack Pine | Even-Aged | Draft Field Boundary |

Habitat Cut: No**Site Condition:**

Prescription Spray site to kill aspen.

Specs:

Next Step Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable Jack pine, spruce, fir, aspen, mixed hardwood, mixed pine.

Regen:

Other C32-839

Comment: TMS 2-20-19: 64.5 acres were trenched in 2017; after buffering pvt lands, 61.5 acres to spray by skidder in 2019.

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|----|--------------|------|--------------|----------------|----|-------|---------|-------------------------|--------------------------|-----------|----------------|
| 44 | 32261044-Cut | 60.9 | 4130 - Aspen | Sawtimber Well | 48 | 51-80 | Harvest | Clearcut with Retention | 4134 - Aspen, Spruce/Fir | Even-Aged | Draft Proposal |
|----|--------------|------|--------------|----------------|----|-------|---------|-------------------------|--------------------------|-----------|----------------|

Habitat Cut: No**Site Condition:**

Prescription Clearcut with reserves. Red line out patches of mature timber to meet retention guidelines. Do not harvest under-represented species within the stand such as oak. Also, do not harvest large diameter (18"+ dbh) sugar maple that are scattered throughout the stand.

Specs:

Wildlife Comment: Retention should include some mature Aspen particularly fork crowned individuals- northern goshawk, pileated woodpecker.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, balsam, spruce, maple, birch, balm, cedar, hemlock, and pine.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

**Total Treatment
Acreage Proposed: 379.9**

Report 4 – Site Conditions

Gwinn Mgt. Unit
Jason Caron : Examiner

Compartment: 261
Year of Entry: 2021

Availability for Management

| Total Acres | Acres Available | Acres Avail | | Dominant Site Conditions | Dominant Site Conditions | | |
|----------------|--------------------|----------------|---------------|--------------------------|--------------------------|----|----|
| | | With Condition | Not Available | | 2G | 2H | 3J |
| 733 | 733 | 0 | 0 | Aspen | | | |
| 31 | 31 | 0 | 0 | Cedar | | | |
| 8 | 8 | 0 | 0 | Herbaceous Openland | | | |
| 15 | 15 | 0 | 0 | Jack Pine | | | |
| 162 | 162 | 0 | 0 | Low-Density Trees | | | |
| 113 | 50 | 0 | 63 | Lowland Conifers | 51 | 12 | |
| 13 | 13 | 0 | 0 | Lowland Mixed Forest | | | |
| 63 | 63 | 0 | 0 | Lowland Shrub | | | |
| 18 | 18 | 0 | 0 | Lowland Spruce/Fir | | | |
| 28 | 28 | 0 | 0 | Mixed Upland Deciduous | | | |
| 51 | 51 | 0 | 0 | Northern Hardwood | | | |
| 9 | 0 | 0 | 9 | Tamarack | | | 9 |
| 8 | 8 | 0 | 0 | Urban | | | |
| 13 | 13 | 0 | 0 | Water | | | |
| 10 | 10 | 0 | 0 | White Pine | | | |
| 1,276 | 1,203 | | 73 | Total Forested Acres | 51 | 12 | 9 |
| | 94% | | 6% | Relative Percent | | | |

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

| Site No. | Dominant Site Cond Availability | Dominant Site Condition | Acres | Other Site Condition | Other Site Condition | Other Site Condition | Other Site Condition |
|------------------|---------------------------------|------------------------------------------------------------------------|-------|----------------------|----------------------|----------------------|----------------------|
| 1 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 51 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 2 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 12 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Gwinn Mgt. Unit
Jason Caron : Examiner

Compartment: 261
Year of Entry: 2021

| | | | | | | | |
|-----------|-------------|------------------------------------------------------|---|-------------|-------------|-------------|-------------|
| 3 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 9 | 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 | Riparian Area | A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity. |
| ERA | Ecological Reference Areas | Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form. |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------|------------|------------|----------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|----|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------|---------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|----------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|----------|-------------|-------------------|-----------|-------------|------------|---------|-------------------|----------|-------------|------------|--|--|--|--|
| 1 | 4130 - Aspen | Sapling Medium | 21.9 | 6 | Immature | N/A | Stand of fully stocked young aspen. Scattered mature white and red pine scattered throughout. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>100</td> <td>Sapling</td> <td>1</td> <td>6</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Quaking Aspen | 100 | Sapling | 1 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 100 | Sapling | 1 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 4130 - Aspen | Sapling Well | 21.2 | 17 | Immature | N/A | Stand was harvested in 2002, TS#115-01. Stand currently consists of a mix of both big tooth and quaking aspen. Jack pine and red pine inclusions exist throughout. Stand is fully stocked. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>45</td> <td>Sapling</td> <td>2</td> <td>17</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>43</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>10</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Quaking Aspen | 45 | Sapling | 2 | 17 | Bigtooth Aspen | 43 | Sapling | 2 | | Jack Pine | 10 | Sapling | 2 | | <table border="1"> <thead> <tr> <th>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>Variable</td> <td>Sapling</td> </tr> <tr> <td>Hazelnut (Beaked)</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table> | | Canopy Species | Density | Avg. Height | Size | Red Maple | Medium | Variable | Sapling | Hazelnut (Beaked) | Medium | 5 - 10 feet | Tall Shrub | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 45 | Sapling | 2 | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 43 | Sapling | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 10 | Sapling | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hazelnut (Beaked) | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 42120 - Planted Jack Pine | Poletimber Well | 9.8 | 71 | 81-110 | N/A | Stand of mature jack pine with red pine mixed in as well. Not as much mortality in the stand as I would expect given the age. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>80</td> <td>Log/Pole</td> <td>10</td> <td>71</td> </tr> <tr> <td>Red Pine</td> <td>20</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Jack Pine | 80 | Log/Pole | 10 | 71 | Red Pine | 20 | Log/Pole | 12 | | <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Canopy Species | Density | Avg. Height | Size | Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 80 | Log/Pole | 10 | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 20 | Log/Pole | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 4130 - Aspen | Sapling Well | 31.4 | 26 | Immature | N/A | Stand harvested in the spring of 1993, Permit #19-91. Stand consists of fully stocked big tooth aspen of nice quality along with jack pine inclusions. Scattered mature oak and white pine exist within the stand as well. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>84</td> <td>Sapling</td> <td>4</td> <td>26</td> </tr> <tr> <td>Jack Pine</td> <td>10</td> <td>Sapling</td> <td>4</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Bigtooth Aspen | 84 | Sapling | 4 | 26 | Jack Pine | 10 | Sapling | 4 | | <table border="1"> <thead> <tr> <th>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>Variable</td> <td>Sapling</td> </tr> <tr> <td>Hazelnut (Beaked)</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Oak</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Canopy Species | Density | Avg. Height | Size | Red Maple | Medium | Variable | Sapling | Hazelnut (Beaked) | Medium | 5 - 10 feet | Tall Shrub | Red Oak | Medium | Variable | Sapling | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 84 | Sapling | 4 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 10 | Sapling | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hazelnut (Beaked) | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 42120 - Planted Jack Pine | Poletimber Well | 5.6 | 45 | 51-80 | N/A | Stand of healthy looking jack pine. Stand looks to have regenerated naturally or through seeding. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>100</td> <td>Pole</td> <td>7</td> <td>45</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Jack Pine | 100 | Pole | 7 | 45 | <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Canopy Species | Density | Avg. Height | Size | Balsam Fir | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 100 | Pole | 7 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 4130 - Aspen | Poletimber Well | 94.0 | 42 | 51-80 | N/A | Stand of aspen that has an overall small diameter. Inclusions of balsam fir exist within the stand. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>90</td> <td>Pole</td> <td>7</td> <td>42</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Quaking Aspen | 90 | Pole | 7 | 42 | <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Canopy Species | Density | Avg. Height | Size | Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 90 | Pole | 7 | 42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 4130 - Aspen | Sapling Medium | 41.7 | 5 | Immature | N/A | Stand cut in 2014. TS# 112-11. Stand has regenerated back to a mix of aspen. Mature red and white pine scattered throughout the stand. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>92</td> <td>Sapling</td> <td>1</td> <td>5</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Quaking Aspen | 92 | Sapling | 1 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 92 | Sapling | 1 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 4130 - Aspen | Sapling Medium | 21.0 | 5 | Immature | N/A | Cut in summer of 2014. TS# 112-11. Stand is regenerating back to a mix of aspen. Scattered mature red pine exist throughout the stand. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>90</td> <td>Sapling</td> <td>1</td> <td>5</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Quaking Aspen | 90 | Sapling | 1 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 90 | Sapling | 1 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------|------------|------------|-------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|--------------|----|----|----------------|----|--------------|----|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------|---------|-------------|------------|-------------------|--------|-------------|------------|-------------------|--------|-------------|------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|----------|-------------|-------------|------------|------------|----------|----------|-------------|-----|----------|---------|-----------|-----|-------------|------------|
| 9 | 4130 - Aspen | Poletimber Well | 57.3 | 37 | 51-80 | N/A | Stand was harvested in the summer of 1982. TS #6-81A. Stand consists of both quaking and big tooth aspen pockets. Big tooth aspen is better quality than the quaking aspen. A few mature oak exist within the stand that were not harvested during the last cut. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 48 | Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 50 | Pole | 8 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hazelnut (Beaked) | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | Medium | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 4130 - Aspen | Poletimber Well | 78.9 | 37 | 51-80 | N/A | Stand was harvested in the summer of 1982. TS #6-81A. Stand is decent quality throughout. Quaking aspen is poorer quality than the big tooth. A few mature oak exist within the stand that were not harvested during the last cut. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 78 | Pole | 8 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 20 | Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hazelnut (Beaked) | High | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 6121 - Tamarack | Poletimber Medium | 9.4 | 66 | 1-50 | N/A | Lowland stand of black spruce and tamarack due to a high water table. Black spruce has a fair amount of mistletoe infestation. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Tamarack</td> <td>50</td> <td>Pole/Sapling</td> <td>7</td> <td>66</td> </tr> <tr> <td>Black Spruce</td> <td>50</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Tamarack | 50 | Pole/Sapling | 7 | 66 | Black Spruce | 50 | Pole/Sapling | 6 | | <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table> | | Canopy Species | Density | Avg. Height | Size | Black Spruce | Medium | Variable | Sapling | Tag Alder | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tamarack | 50 | Pole/Sapling | 7 | 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | 50 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag Alder | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 500 - Water | Nonstocked | 0.8 | | Unspecified | No | Small pond. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 6220 - Alder/willow | Nonstocked | 6.0 | | Unspecified | No | Tag alder and creek. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 500 - Water | Nonstocked | 1.5 | | Unspecified | No | Small pond and flowage. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 27.9 | 50 | 81-110 | N/A | Stand is mostly on a steep hillside that surrounds Black Lake and Popple Creek. Consider the stand a riparian buffer that surrounds the lake. Paper birch is in decline due to age. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>15</td> <td>Log/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>Yellow Birch</td> <td>10</td> <td>Log/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>35</td> <td>Pole</td> <td>9</td> <td>50</td> </tr> <tr> <td>Sugar Maple</td> <td>10</td> <td>Log/Pole</td> <td>15</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Paper Birch | 15 | Log/Pole | 14 | | Yellow Birch | 10 | Log/Pole | 14 | | Red Maple | 10 | Log/Pole | 10 | | Balsam Fir | 35 | Pole | 9 | 50 | Sugar Maple | 10 | Log/Pole | 15 | | <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Low</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> | | Canopy Species | Density | Avg. Height | Size | Balsam Fir | High | Variable | Sapling | Sugar Maple | Low | Variable | Sapling | Tag Alder | Low | 5 - 10 feet | Tall Shrub |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 15 | Log/Pole | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Yellow Birch | 10 | Log/Pole | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 10 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 35 | Pole | 9 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | 10 | Log/Pole | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar Maple | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag Alder | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | |
|-----------------------|----------------------------|-----------------|-------------------|------------|------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|-------------|
| 16 | 4130 - Aspen | Poletimber Well | 20.3 | 44 | 81-110 | N/A | Stand was cut during 1974-1976 with portion's being KG'D. Stand contains more big tooth aspen than quaking aspen. Stand is in good condition. | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Canopy Species | | Density | Avg. Height | Size |
| Quaking Aspen | | 38 | Pole | 8 | | Hazelnut (Beaked) | | Medium | 5 - 10 feet | Tall Shrub |
| Bigtooth Aspen | | 60 | Pole | 8 | 44 | Ironwood | | Low | Variable | Sapling |
| | | | | | | Balsam Fir | | Low | Variable | Sapling |
| | | | | | | Red Maple | Medium | Variable | Sapling | |
| 17 | 4130 - Aspen | Poletimber Well | 13.2 | 44 | 81-110 | N/A | Stand was cut during 1974-1976 with portions being KG'D. Stand of aspen that contains more big tooth aspen than quaking. | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Canopy Species | | Density | Avg. Height | Size |
| Quaking Aspen | | 38 | Pole | 8 | | Hazelnut (Beaked) | | Medium | 5 - 10 feet | Tall Shrub |
| Bigtooth Aspen | | 60 | Pole | 8 | 44 | Ironwood | | Low | Variable | Sapling |
| | | | | | | Balsam Fir | | Low | Variable | Sapling |
| | | | | | | Red Maple | Medium | Variable | Sapling | |
| 18 | 4130 - Aspen | Poletimber Well | 17.3 | 44 | 81-110 | N/A | Area cut between 1974-1976. Stand of aspen that is decent quality. I noticed a small patch of aspen dieback within the stand. | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Canopy Species | | Density | Avg. Height | Size |
| Quaking Aspen | | 73 | Pole | 8 | 44 | Hazelnut (Beaked) | | Low | 5 - 10 feet | Tall Shrub |
| Bigtooth Aspen | | 20 | Pole | 9 | | Balsam Fir | | Low | Variable | Sapling |
| | | | | | | Red Maple | | Medium | Variable | Sapling |
| | | | | | | Ironwood | Low | Variable | Sapling | |
| 19 | 4130 - Aspen | Poletimber Well | 88.4 | 44 | 51-80 | N/A | Stand cut between 1974 and 1976. Decent stand of quality aspen. Diameter is overall small given it's age. I noticed some individual aspen mortality. Big tooth aspen is in good condition. | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Canopy Species | | Density | Avg. Height | Size |
| Bigtooth Aspen | | 35 | Pole | 9 | | Red Maple | | Low | Variable | Sapling |
| Quaking Aspen | | 60 | Pole | 8 | 44 | Hazelnut (Beaked) | | High | 5 - 10 feet | Tall Shrub |
| | | | | | | Balsam Fir | | Low | Variable | Sapling |
| | | | | | | Sugar Maple | Medium | >20 feet | Pole | |
| 20 | 4115 - Y.Birch, Hemlock NH | Sawtimber Well | 16.9 | 88 | 81-110 | N/A | OPIC - FMD: SCA-Travel Influence Zone. 2000 Comment: Travel Influence: Hillsides along Charlie Lakes Rd. 2009 Comment: If this stand is to remain in stand condition 8 then the factor should be changed to POG instead of travel influence zone. The stand is on a steep hillside along the Charlie Lakes Road and is next to Popple Creek and Black Lake. It is converting from aspen-birch to sugar maple-yellow birch. | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Canopy Species | | Density | Avg. Height | Size |
| Bigtooth Aspen | | 8 | Log | 16 | | Ironwood | | High | Variable | Sapling |
| Yellow Birch | | 20 | Log/Pole | 13 | | Sugar Maple | | Medium | Variable | Sapling |
| Sugar Maple | | 62 | Log/Pole | 12 | 88 | Hazelnut (Beaked) | | Medium | 5 - 10 feet | Tall Shrub |
| Red Maple | | 8 | Log | 14 | | Balsam Fir | Medium | Variable | Sapling | |
| 21 | 4130 - Aspen | Poletimber Well | 48.0 | 26 | Immature | N/A | Stand was harvested in 1993. TS #8-91. Stand consists of fully stocked aspen with a mix of quaking and big tooth. Big tooth is in better condition than the quaking. | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Canopy Species | | Density | Avg. Height | Size |
| Bigtooth Aspen | | 40 | Pole/Sapling | 5 | | Ironwood | | Medium | 10 - 20 feet | Sapling |
| Quaking Aspen | | 55 | Pole/Sapling | 5 | 26 | Balsam Fir | | Medium | Variable | Sapling |
| | | | | | | Hazelnut (Beaked) | | Low | 5 - 10 feet | Tall Shrub |
| | | | | | | Red Maple | Low | Variable | Sapling | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------|------------|-------------|-------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------|----------|----------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------|---------|-------------|--------------|-----------|--------------|-------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------|---------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|-------------|-------------|-----------|-----------|----------|----------|---------|------------|--------|----------|---------|
| 22 | 4131 - Aspen, Oak | Sapling Poor | 56.2 | 3 | Immature | N/A | Stand was cut via. a seed tree harvest in the winter of 2016. TS#114-11-01. Stand now consists of mature residual oak with a few retention patches throughout the stand. Regeneration is adequate and fully stocked. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>20</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>45</td> <td>Sapling</td> <td>1</td> <td>3</td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>15</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Oak | 20 | Log | 14 | | Quaking Aspen | 45 | Sapling | 1 | 3 | Red Maple | 20 | Sapling | 1 | | Balsam Fir | 15 | Sapling | 1 | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 20 | Log | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 45 | Sapling | 1 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 20 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 15 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 3303 - Mixed Low Density Trees | Nonstocked | 27.0 | 0 | Unspecified | No | Stand was cut in the winter of 2016. TS# 113-11. Stand is slowly regenerating back to an aspen type. Stand should fill in more as it matures. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Canopy Species | Density | Avg. Height | Size | Quaking Aspen | | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 3303 - Mixed Low Density Trees | Nonstocked | 15.4 | 0 | Unspecified | No | Stand was seedtree cut in the winter of 2016. TS# 113-11. Clumps of 10-15 trees every 5 ch's were left as a seed source. Cedar was not cut during the harvest. Stand is starting to fill in with a mix of conifer and deciduous. Keep the monitoring treatment on the stand to check it again. Stand should fill in more as it matures. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tamarack</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Canopy Species | Density | Avg. Height | Size | Black Spruce | | Low | Variable | Sapling | Tamarack | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tamarack | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 6120 - Lowland Cedar | Poletimber Well | 31.2 | 87 | 111-140 | N/A | Stand of dense cedar which varies in size from pole to log. Found a small stream within the stand along the compartment line. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Northern White Cedar</td> <td>80</td> <td>Log/Pole</td> <td>10</td> <td>87</td> </tr> <tr> <td>Black Spruce</td> <td>10</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Tamarack</td> <td>10</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Northern White Cedar | 80 | Log/Pole | 10 | 87 | Black Spruce | 10 | Pole | 9 | | Tamarack | 10 | Log/Pole | 11 | | <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Canopy Species | Density | Avg. Height | Size | Balsam Fir | Low | Variable | Sapling | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern White Cedar | 80 | Log/Pole | 10 | 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | 10 | Pole | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tamarack | 10 | Log/Pole | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | 6139 - Mixed Lowland Forest | Sapling Medium | 12.5 | 20 | 1-50 | N/A | Lowland stand of young ash and fir. Small diameter trees throughout the stand. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>50</td> <td>Sapling</td> <td>3</td> <td>20</td> </tr> <tr> <td>Black Ash</td> <td>40</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Balsam Fir | 50 | Sapling | 3 | 20 | Black Ash | 40 | Sapling | 3 | | Paper Birch | 10 | Sapling/Pole | 4 | | <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>High</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Canopy Species | Density | Avg. Height | Size | Tag Alder | High | 5 - 10 feet | Tall Shrub | Red Maple | Medium | Variable | Sapling | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 50 | Sapling | 3 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Ash | 40 | Sapling | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 10 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag Alder | High | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | 4134 - Aspen, Spruce/Fir | Sawtimber Medium | 61.0 | 77 | 51-80 | N/A | Stand of mostly aspen with scattered pockets of white and black spruce. Most if not all of the fir has fallen out of the stand due to budworm. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>65</td> <td>Log/Pole</td> <td>12</td> <td>77</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Quaking Aspen | 65 | Log/Pole | 12 | 77 | Red Maple | 10 | Pole/Log | 9 | | Black Spruce | 10 | Log/Pole | 10 | | White Spruce | 10 | Log/Pole | 10 | | <table border="1"> <thead> <tr> <th>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>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Canopy Species | Density | Avg. Height | Size | Red Maple | Medium | Variable | Sapling | Balsam Fir | Medium | Variable | Sapling |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 65 | Log/Pole | 12 | 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 10 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | 10 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Spruce | 10 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | 6129 - Mixed Coniferous Lowland Forest | Poletimber Well | 51.4 | 103 | 81-110 | N/A | Lowland stand that contains a mix of both tamarack and cedar. Stand contains a stream which is the outlet to Charlie Lakes. Stand acts as a riparian buffer. Tamarack and cedar is in good condition. Fir is in poor condition due to the budworm infestation. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>Tamarack</td> <td>40</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Tamarack | 40 | Log/Pole | 10 | | <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table> | | Canopy Species | Density | Avg. Height | Size | Tag Alder | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tamarack | 40 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag Alder | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 500 - Water | Nonstocked | 1.6 | | Unspecified | No | Small flowage into Charley Lake. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|-------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|-------------|---------|--------------|----|----------|----|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------|---------|-------------|----------------------|--------------|--------------|-------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------|---------|-------------|--------|------------|---------|-------------|------------|------------|--------|----------|---------|
| 35 | 4112 - Maple, Beech, Cherry Association | Sawtimber Medium | 34.3 | 70 | 1-50 | N/A | Stand was cut via. a seed tree harvest in the winter of 2016. TS#114-11-01. Stand consists of both seed tree areas and shelter wood cut areas. Residual red maple is in good condition. Regeneration within the understory consists of red maple stump sprouts, black cherry, and fir. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>88</td> <td>Log</td> <td>14</td> <td>70</td> </tr> <tr> <td>Yellow Birch</td> <td>10</td> <td>XLog/Log</td> <td>18</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Red Maple | 88 | Log | 14 | 70 | Yellow Birch | 10 | XLog/Log | 18 | | <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Canopy Species | Density | Avg. Height | Size | Black Cherry | Medium | 5 - 10 feet | Sapling | Red Maple | Medium | 5 - 10 feet | Sapling | Balsam Fir | Medium | Variable | Sapling | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 88 | Log | 14 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Yellow Birch | 10 | XLog/Log | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 6220 - Alder/willow | Nonstocked | 57.1 | | Unspecified | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | 330 - Low-Density Trees | Nonstocked | 34.0 | 0 | | 413 - Aspen | Downunder Dickinson 102-15-01 Cut by Lafleur FP in the summer of 2016. East half of the stand will be trenched and planted to jack pine. West half of the stand will be allowed to regenerate back to aspen. Currently, the aspen regeneration is sparse on the northern half and more dense on the southern half. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 6124 - Lowland Spruce-Fir | Poletimber Medium | 45.3 | 20 | Immature | N/A | Stand of lowland species both deciduous and conifer. Tag alder is heavy in certain spots. A spot of high ground exists along the east side with scattered poor quality paper birch and aspen. Budworm has killed most of the fir within the stand. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>20</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>30</td> <td>Sapling</td> <td>3</td> <td>20</td> </tr> <tr> <td>Black Spruce</td> <td>30</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>10</td> <td>Pole/Sapling</td> <td>8</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Balsam Fir | 20 | Sapling | 3 | | Red Maple | 30 | Sapling | 3 | 20 | Black Spruce | 30 | Pole | 8 | | Northern White Cedar | 10 | Pole/Sapling | 8 | | <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>High</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Canopy Species | Density | Avg. Height | Size | Tag Alder | High | 5 - 10 feet | Tall Shrub | Balsam Fir | Medium | Variable | Sapling |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 20 | Sapling | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 30 | Sapling | 3 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | 30 | Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern White Cedar | 10 | Pole/Sapling | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag Alder | High | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 6122 - Black Spruce | Poletimber Well | 17.5 | 70 | 51-80 | N/A | Stand is in poor condition due to age and budworm. Paper birch and aspen are in poor condition as well. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 10 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paper Birch | 10 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tamarack | 10 | Pole | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | 55 | Pole | 8 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | 330 - Low-Density Trees | Nonstocked | 81.6 | 0 | | 4222 - Natural Jack Pine | This stand was harvested in 2014 by LaFleur Forest Products under Downunder Jack Pine 32-115-11-01. Some stands areas where approved though chapter 7, though after the harvest all stands were merged because they all have the same MO. Stand to the south in Dickinson County was harvested and treated as well. This area is under FTP for jack pine regeneration (32-839). Stand was trenched by DNR in 2017 still needs to be sprayed. 2019 Inventory - Stand has regenerated back to aspen and jack pine. Densities of both species vary depending on where you are within the stand. I am surprised to see how much natural jack pine exist, even with 2' of snow on the ground. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------|------------|------------|-------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|----------------|----------------|-------------|-------------|-----------|-----------|----------|----------|-------------------|-------------------|-------------|-------------|------------|----------------|----------|----------|---------|
| 43 | 42200 - Natural White Pine | Sawtimber Well | 10.3 | 80 | 51-80 | N/A | Stand of mature white pine. Looks like aspen and red maple was cut out of the stand when stand 4 was cut (1993). Dense red maple regeneration within the understory as well as some big tooth aspen. | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>100</td> <td>Log/Pole</td> <td>12</td> <td>80</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | White Pine | 100 | Log/Pole | 12 | 80 | <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Hazelnut (Beaked)</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | | | Canopy Species | Density | Avg. Height | Size | Red Maple | High | Variable | Sapling | Hazelnut (Beaked) | Medium | 5 - 10 feet | Tall Shrub | Bigtooth Aspen | Medium | Variable | Sapling |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 100 | Log/Pole | 12 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hazelnut (Beaked) | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 91 | Log/Pole | 11 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hazelnut (Beaked) | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | 4130 - Aspen | Sawtimber Well | 61.5 | 48 | 51-80 | N/A | Stand of poorer quality aspen. A fair amount of ironwood and hazel exists within the understory. Scattered large diameter oak and sugar maple exist within portions of the stand. | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 91 | Log/Pole | 11 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hazelnut (Beaked) | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironwood | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 122 - Road/Parking Lot | Nonstocked | 8.0 | | Unspecified | No | OPIC - FMD: Charlie Lakes Road | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | 500 - Water | Nonstocked | 9.3 | | Unspecified | No | Charley Lake | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 6129 - Mixed Coniferous Lowland Forest | Poletimber Poor | 12.1 | 83 | 1-50 | N/A | Did not make it to this stand. East side appears to be very wet compared to the West. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | 6129 - Mixed Coniferous Lowland Forest | Poletimber Poor | 4.4 | 83 | 1-50 | N/A | Did not make it to this stand. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400 | 3102 - Grass | Nonstocked | 1.8 | | Unspecified | No | Former grass opening. Trees are starting to fill in. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 401 | 330 - Low-Density Trees | Nonstocked | 4.5 | | Unspecified | No | Abandoned ELF ROW | | | | | | | | | | | | | | | | | | | | | | | | | |
| 402 | 3102 - Grass | Nonstocked | 1.5 | | Unspecified | No | Abandoned ELF ROW | | | | | | | | | | | | | | | | | | | | | | | | | |
| 403 | 3102 - Grass | Nonstocked | 2.3 | | Unspecified | No | Abandoned ELF ROW | | | | | | | | | | | | | | | | | | | | | | | | | |
| 404 | 3102 - Grass | Nonstocked | 1.8 | | Unspecified | No | | | | | | | | | | | | | | | | | | | | | | | | | | |