



Compartment Review Presentation

Escanaba Forest Management Unit

Compartment 33040

Entry Year 2020

Acreage: 2,312

County Menominee

Management Area: Green Bay Lake Plain

Revision Date: 2018-06-25

Stand Examiner: Dustin Salter

Legal Description:

T36N R25W Sections 11, 12, 13, and 14

Identified Planning Goals:

This compartment contains primarily lowland covertypes with some upland stands intermixed. The primary lowland covertypes are lowland ash and red maple, cedar, spruce, and lowland brush. The upland stands are primarily red maple, pine, and hemlock. A high percentage of the lowland ash stands are being prescribed for harvest prior to the Emerald ash Borer arriving, they are also mature and need to be harvested while they are vigorous enough to stump sprout. Also, some of the mature lowland and upland red maple stands are being harvested, while they are vigorous enough to sprout. The mature aspen stands are being harvested to maintain an a balance of age classes for wildlife and sustainability. Some of the mature pine stands will also be harvested to begin to regenerate the pine, providing a mix of age classes. The spruce budworm is present within the compartment, but it has not caused a lot of mortality at this time.

Soil and topography:

Topography is level to slightly rolling. Soils are poorly drained, somewhat poorly drained, and well drained, sands and very poorly drained, extremely acid mucks and peats. Major soil series are Deford, Wainola, Rousseau, Dawson, Greenwood and Kinross.

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

This compartment is part of a large block of state land that is about 25 miles long and 7 miles wide along the Lake Michigan shoreline. Most of the land adjacent to compartment 40 is state owned. Private land is located in the northeast and southwestern corners of the compartment. The state and private lands are used primarily for recreation.

Unique Natural Features:

None Known.

Archeological, Historical, and Cultural Features:

None Known.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

The west branch of Deer Creek flows through the southern end of the compartment, with its headwaters originating in the northern portion of the compartment.

Wildlife Habitat Considerations:

- This large compartment contains a substantial amount of lowland cover types, such as tag alder, lowland hardwoods, balsam poplar, black spruce, cedar, and swamp conifers.
- Aspen forest is prevalent. WLD encourages a variety of age classes that will enhance the area for wildlife species.
- Hemlock stands are prevalent in this compartment. WLD will encourage maintaining closed-canopy habitat for winter wildlife residents.

Mineral Resource and Development Concerns and/or Restrictions

Active sand/gravel pits are not located in the area. There is some gravel potential within the compartment, but the water table is shallow and there are numerous wetlands. Limestone underlies glacial drift in this area, which could be used for crushed stone. But, at depths of 30 feet or more, it would not likely be economical to mine in this remote area. No economic oil and gas production has been found in the UP. Metallic mineral potential is considered low. There is no history of mineral leasing in this area.

Vehicle Access:

This compartment is accessed by the North Fox, N. Branch of the North Fox, and the Camp K Roads. All three of these roads are state system roads, which are maintained by the DNR. All of these roads have two-tracks branching off of them providing additional access into the compartment. There are portions of the compartment that have very little vehicle access due to low wet conditions.

Survey Needs:

Two registered corners will need to be set in order to set up future timber sales.

Recreational Facilities and Opportunities:

There are no developed recreational facilities within the compartment. This area of state land is used primarily for hunting, trapping, ORV riding, and dispersed camping during hunting season.

Fire Protection:

This compartment contains mostly low wet ground with small upland stands intermixed. There is very low potential for a large scale fire. The West Branch of Deer Creek offers a good water source.

Additional Compartment Information:

The following reports from the Inventory are attached:

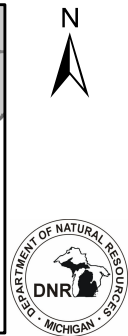
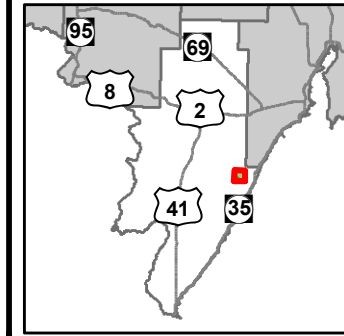
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

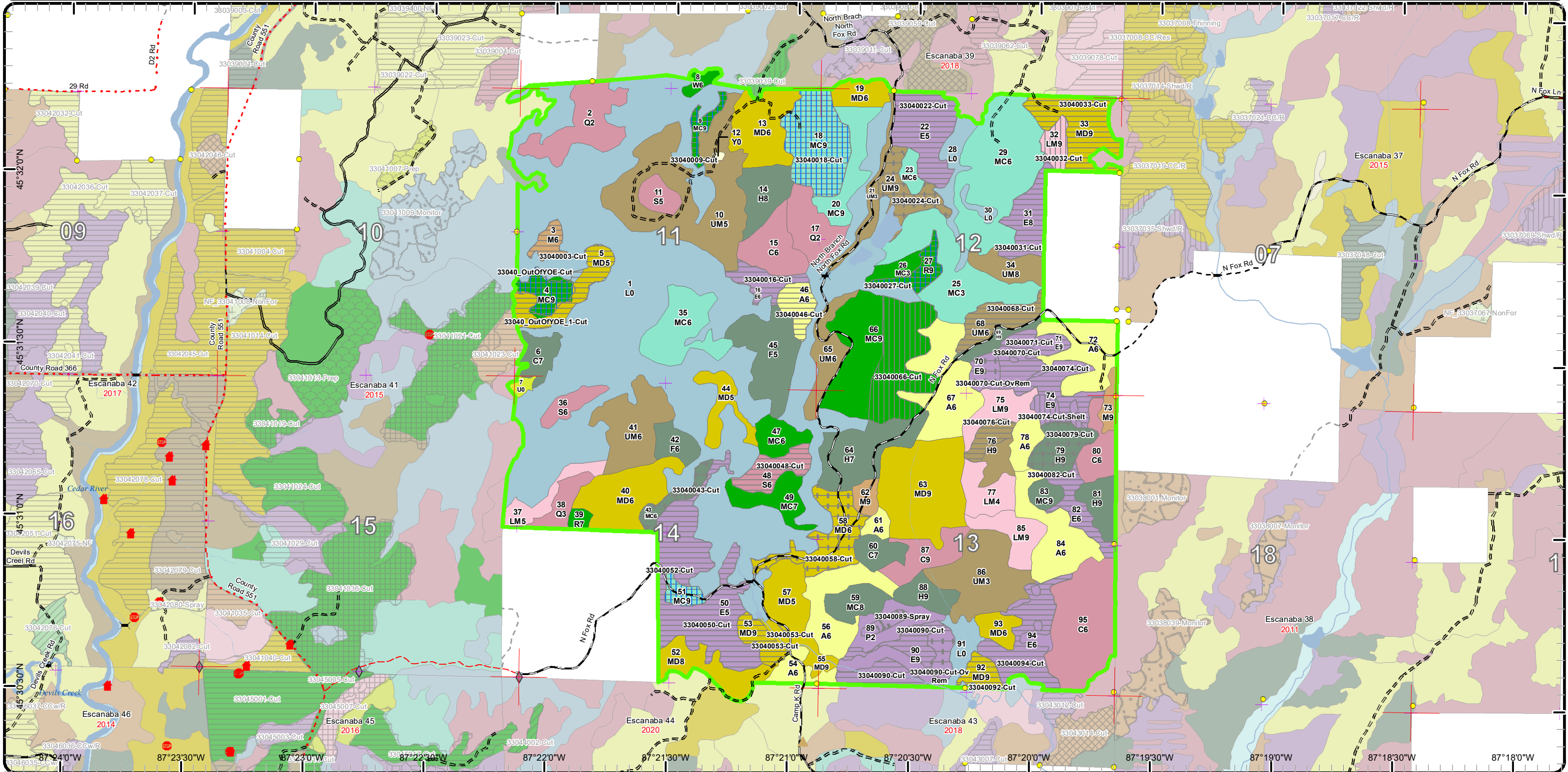
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

Cover Type & Treatments Map

Compartment: 40
 T36N - R25W Sec. 11-14
 County: Menominee
 Unit: Escanaba
 Mgmt Area: Green Bay Lake Plain
 YOE: 2020
 Acres: 2,313 GIS Calculated
 Examiner: Dustin Salter
 Map Revised: 6/27/2018
 Map Phase: Web - Post

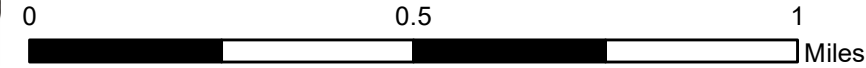


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- ▭ Compartment Boundary
- ▭ Clearcut (w/Reserves)
- ▭ Harvest, Overstory Removal
- ▭ Pesticide
- ▭ Seed Tree (w/Reserves)
- ▭ Shelter Wood (w/Reserves)
- ▭ 411 - Northern Hardwood
- ▭ 413 - Aspen Types
- ▭ 419 - Mixed Upland Deciduous
- ▭ 422 - Natural Pines
- ▭ 423 - Other Upland Conifers
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- ▭ 612 - Lowland Coniferous Forest
- ▭ 613 - Lowland Mixed Forest
- ▭ 330 - Low Density Trees
- ▭ 622 - Lowland Shrub
- ▭ 710 - Sand/Soil
- ▭ Lakes

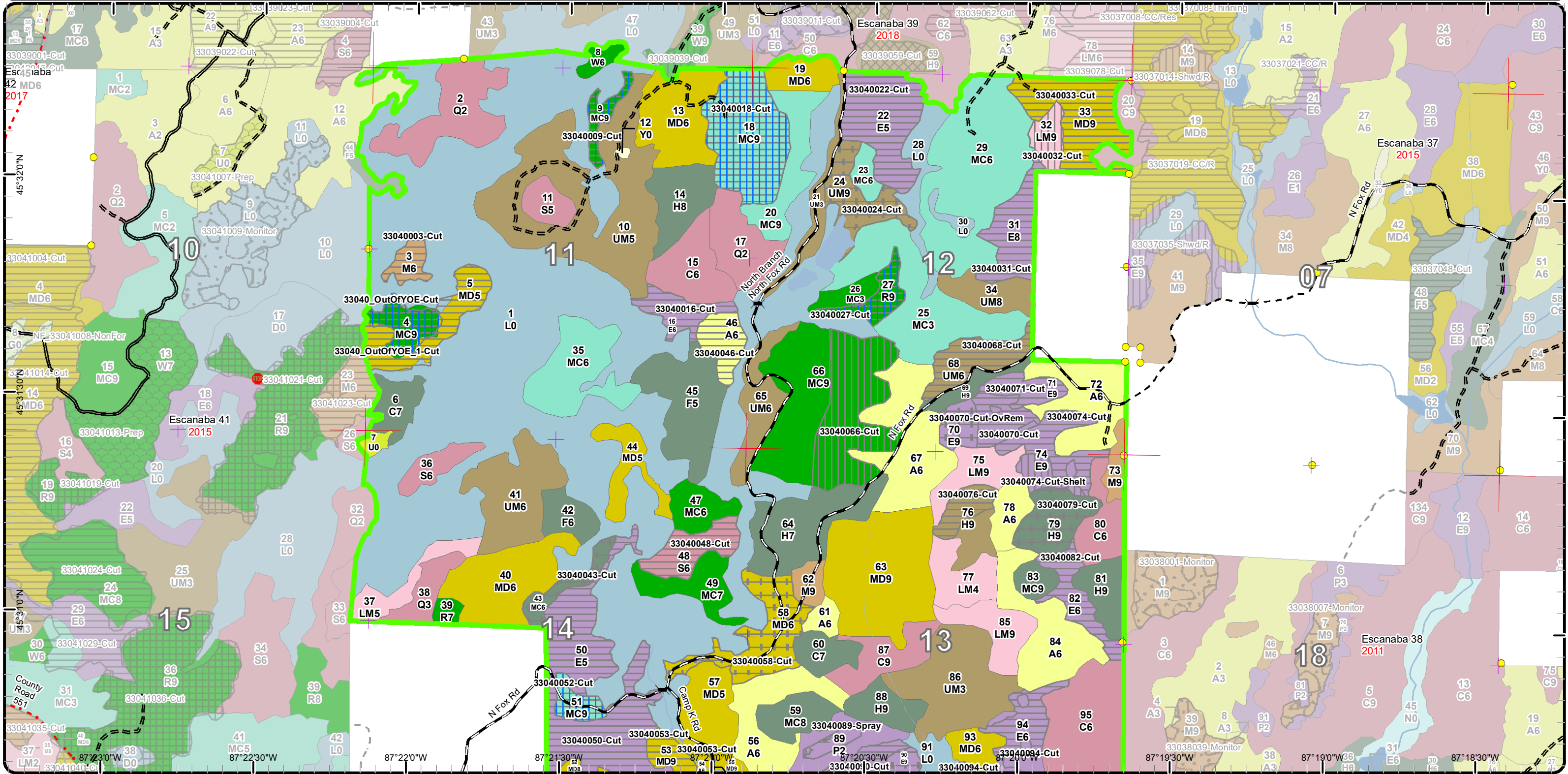


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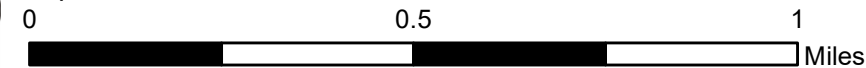
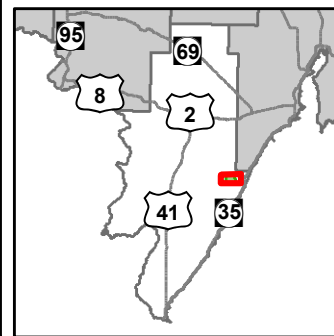


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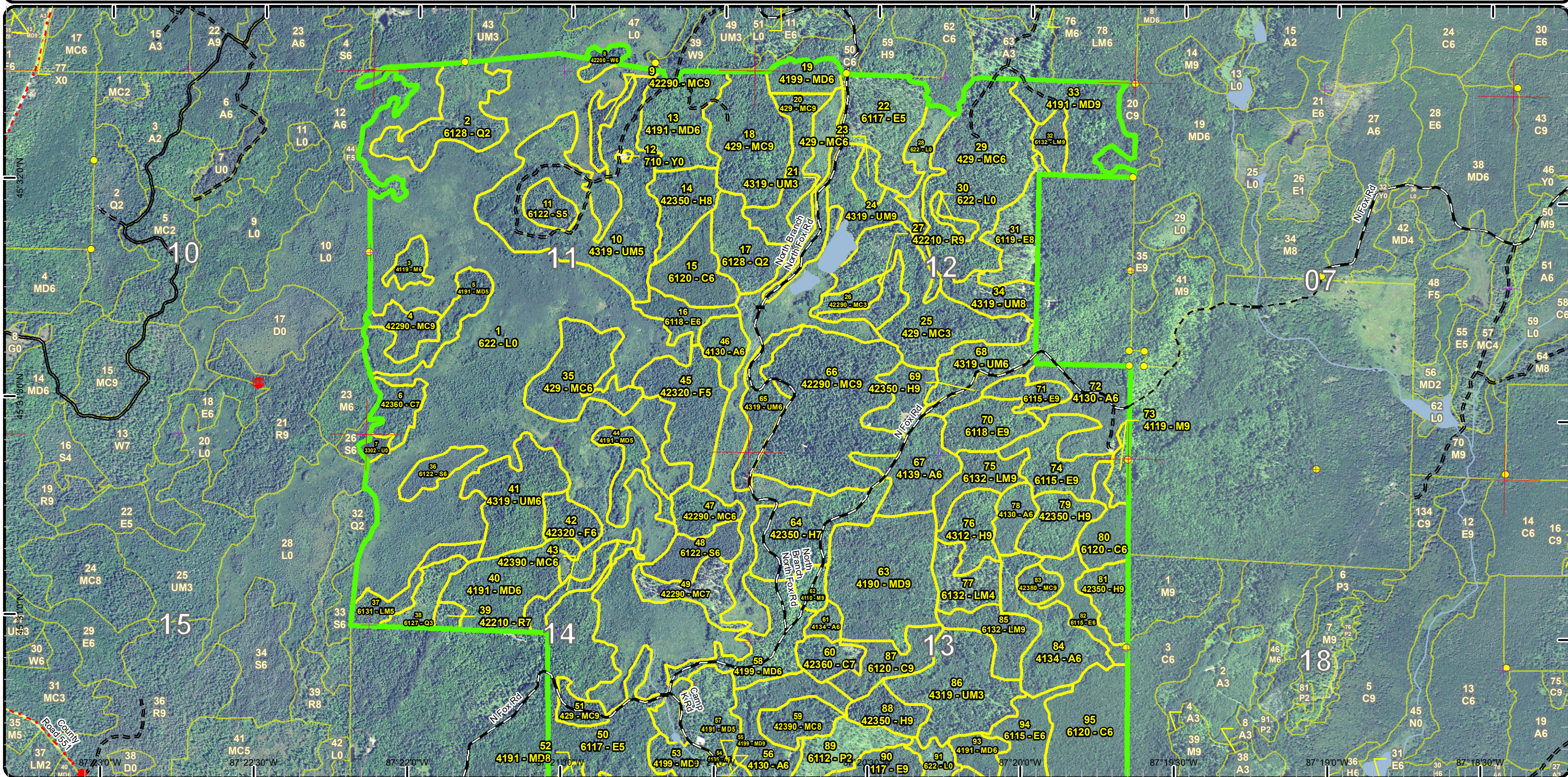


Stand Boundary Map

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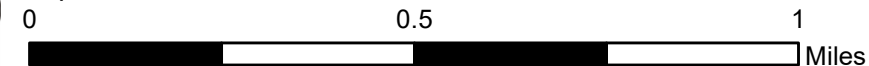
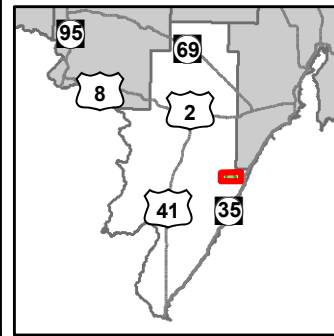


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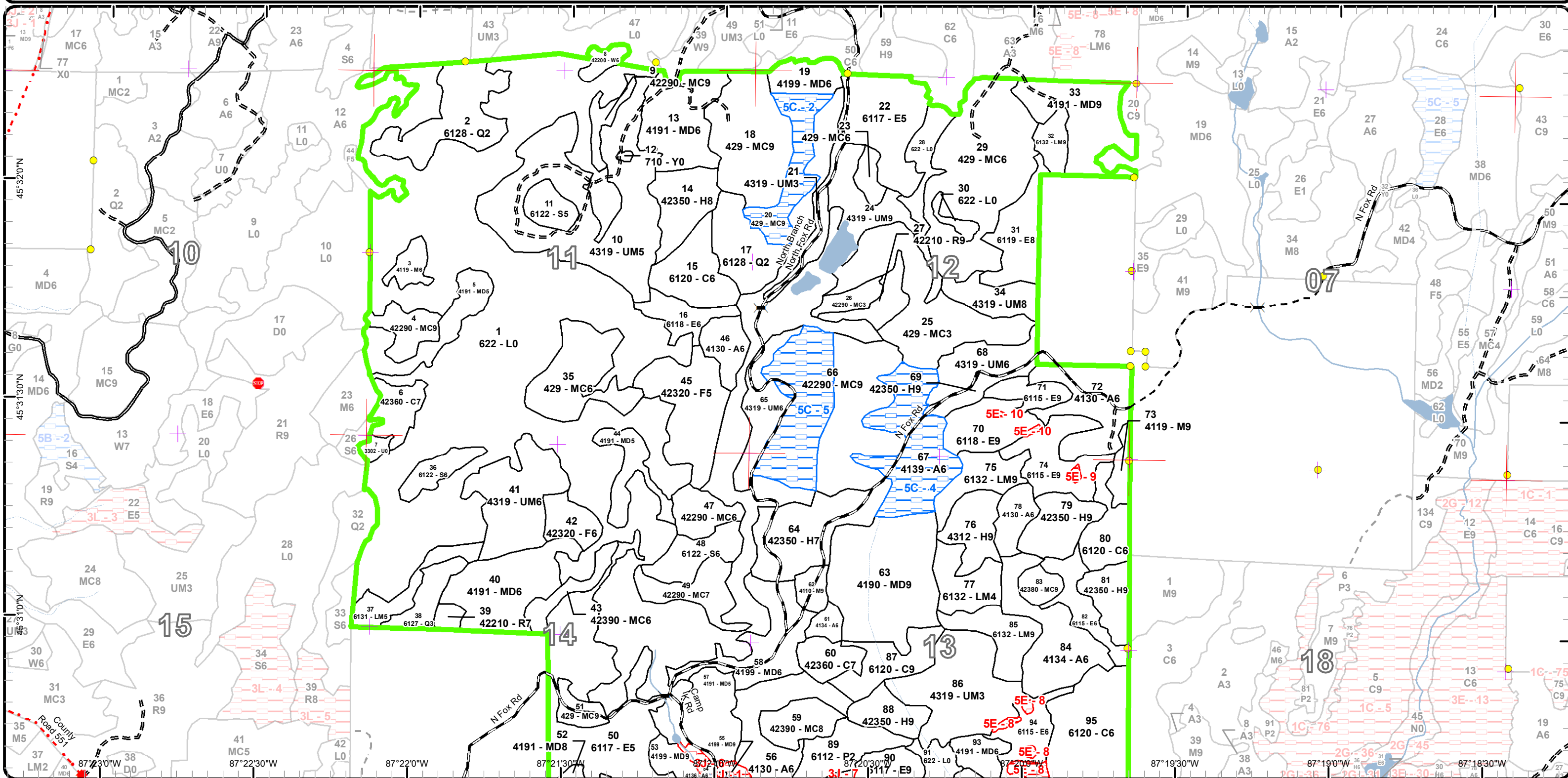


Special Conservation Areas & Site Conditions Map

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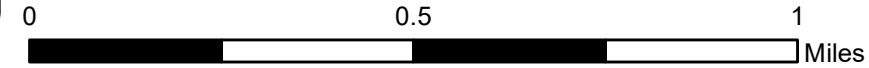


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- Survey Grade Corners
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries

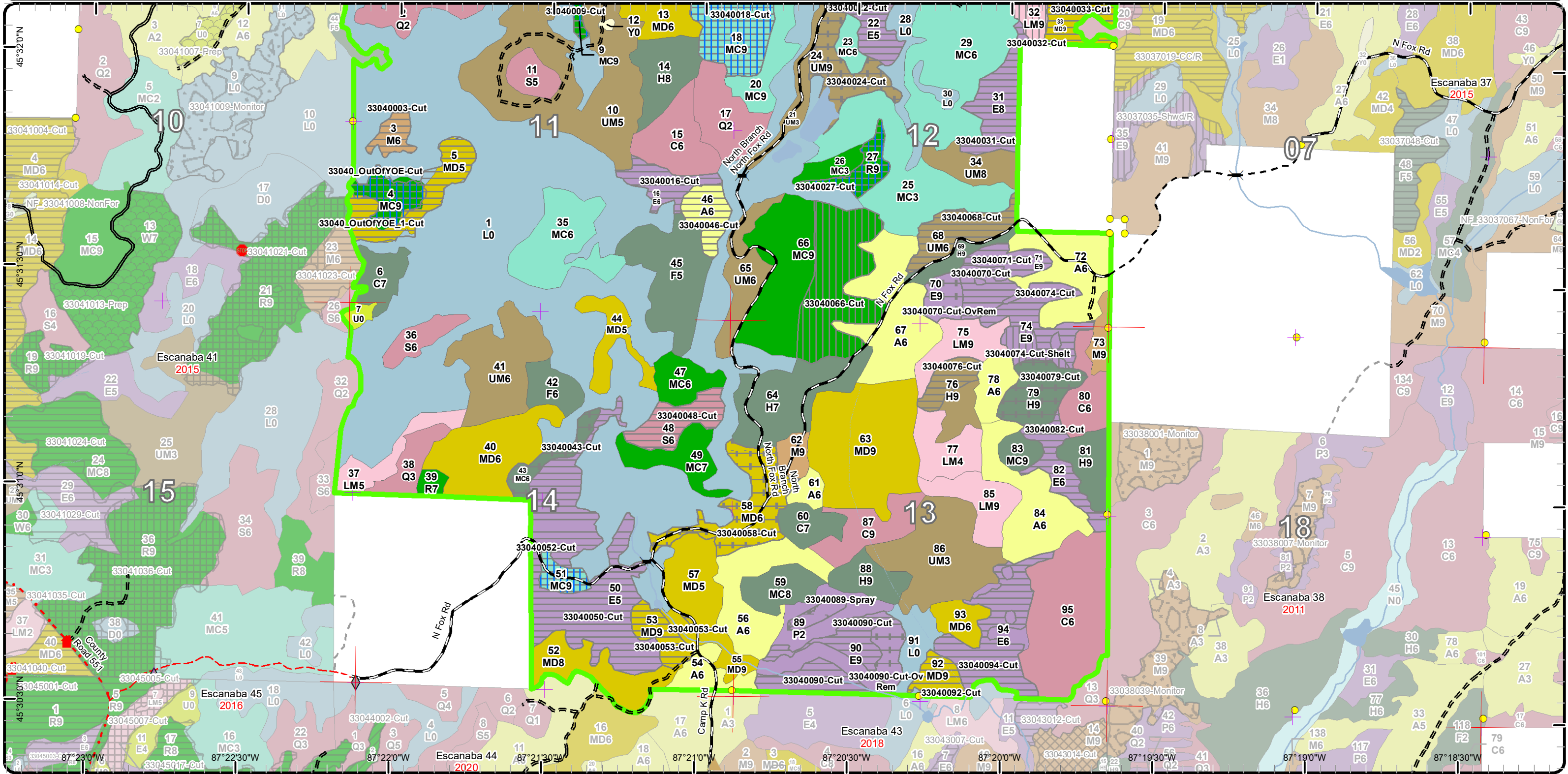


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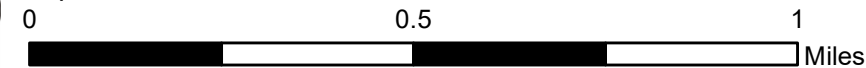
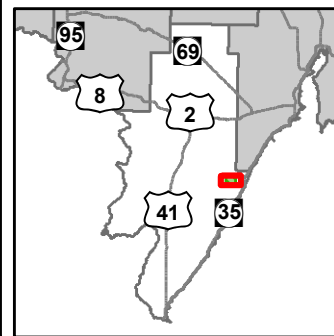


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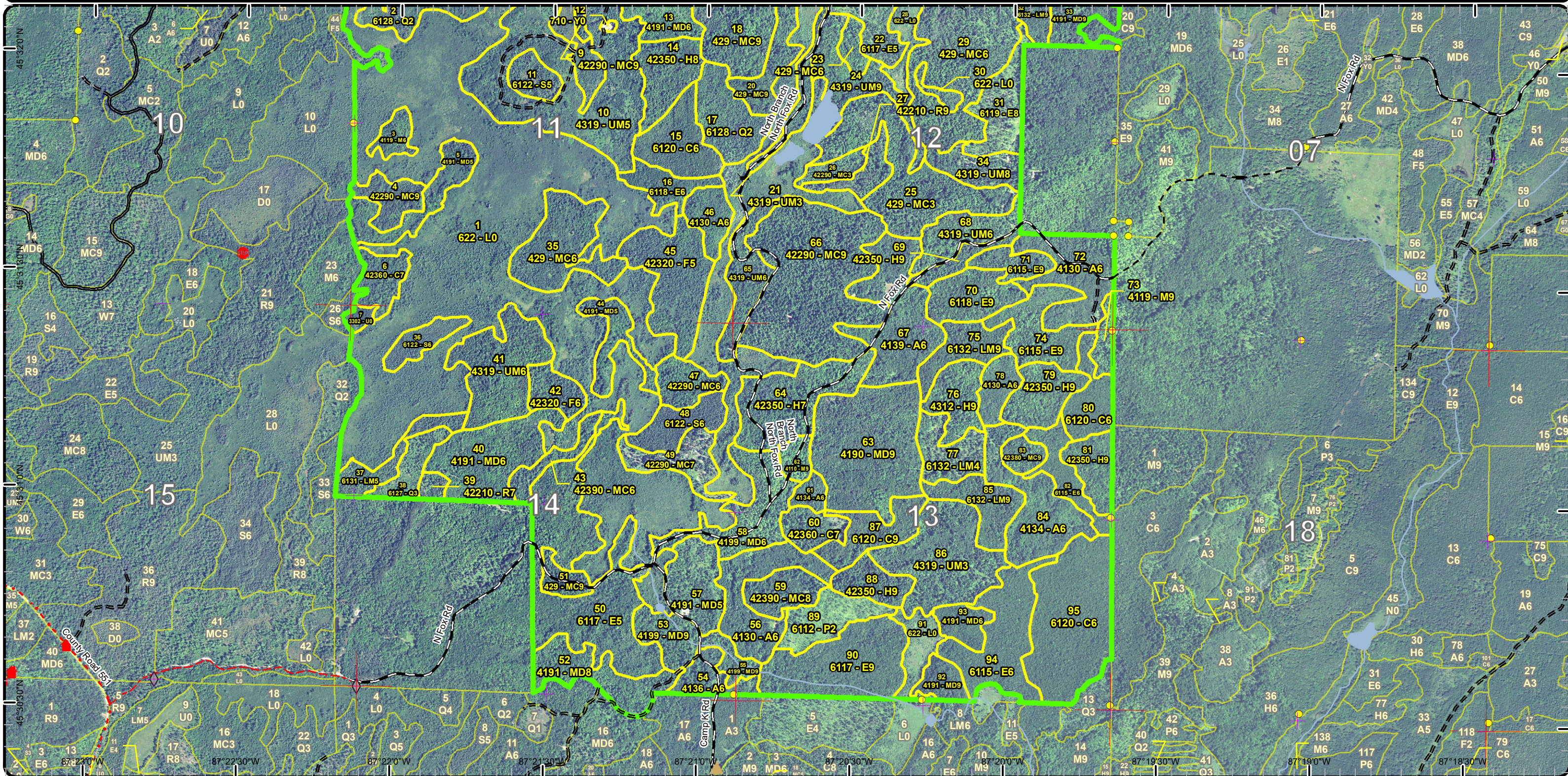


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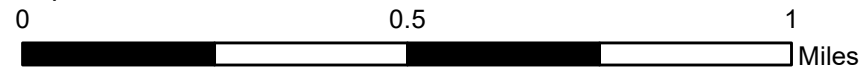


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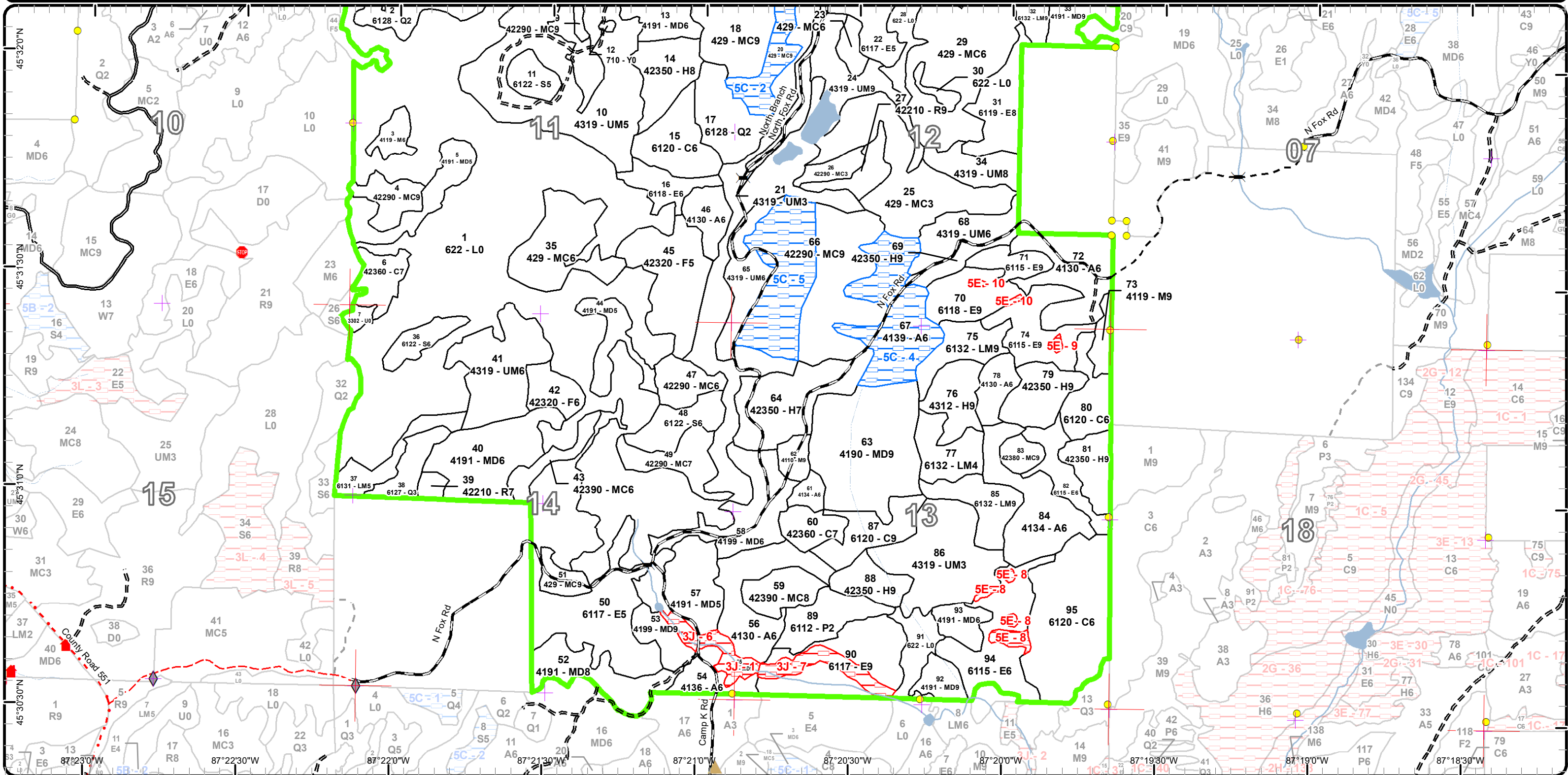


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Report 1 – Total Acres by Cover Type and Age Class



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 | 0 | 0 | 0 | 108 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 156 |
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 113 | 0 | 0 | 0 | 0 | 0 | 123 |
| Hemlock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 18 | 51 | 0 | 0 | 0 | 0 | 112 |
| Low-Density Trees | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Lowland Aspen/Balsam Poplar | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| Lowland Conifers | 0 | 0 | 10 | 30 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 |
| Lowland Deciduous | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 169 | 33 | 18 | 0 | 0 | 0 | 0 | 0 | 259 |
| Lowland Mixed Forest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 31 | 21 | 0 | 0 | 0 | 0 | 0 | 64 |
| Lowland Shrub | 529 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 529 |
| Lowland Spruce/Fir | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Mixed Upland Deciduous | 0 | 0 | 0 | 0 | 43 | 37 | 37 | 0 | 13 | 45 | 40 | 0 | 55 | 0 | 0 | 0 | 0 | 19 | 289 |
| Natural Mixed Pines | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 26 | 78 | 0 | 0 | 0 | 11 | 127 |
| Northern Hardwood | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| Red Pine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Sand, Soil | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Upland Conifers | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 8 | 0 | 0 | 12 | 33 | 39 | 0 | 0 | 0 | 113 | 239 |
| Upland Mixed Forest | 0 | 0 | 0 | 130 | 17 | 0 | 0 | 0 | 33 | 17 | 16 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 226 |
| Upland Spruce/Fir | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 |
| White Pine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 |
| Total | 533 | 17 | 10 | 166 | 233 | 85 | 37 | 17 | 98 | 108 | 240 | 172 | 284 | 168 | 0 | 0 | 0 | 147 | 2311 |



Report 2 – Treatment Summary

Escanaba Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 40
Total Compartment Acres: 2,312

Commercial Harvest - 545
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 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Hemlock | 8 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 25 |
| Lowland Deciduous | 224 | 0 | 0 | 6 | 0 | 7 | 0 | 0 | 0 | 237 |
| Lowland Mixed Forest | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| Lowland Shrub | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| Lowland Spruce/Fir | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| Mixed Upland Deciduous | 66 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 93 |
| Natural Mixed Pines | 0 | 0 | 6 | 40 | 0 | 0 | 0 | 0 | 0 | 46 |
| Northern Hardwood | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Red Pine | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Upland Conifers | 0 | 0 | 45 | 0 | 0 | 8 | 0 | 0 | 0 | 54 |
| Upland Mixed Forest | 16 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 33 |
| Total | 344 | 0 | 0 | 71 | 53 | 0 | 77 | 0 | 0 | 545 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|------------|-----------|----------|----------|----------|------------|------------|----------|-----------------|-------------|
| Current | 545 | 0 | 0 | 0 | 4 | 45 | 0 | 0 | 0 | 594 |
| Next Step | 0 | 11 | 0 | 0 | 0 | 497 | 0 | 0 | 0 | 507 |
| Total | 545 | 11 | 0 | 0 | 4 | 542 | 0 | 0 | 0 | 1101 |



| Stand | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------------------|--------------------------|-------|--|----------------------|-----------|-----------------|----------------|-----------------------------|-------------------------------|---------------|---|
| 5 | 33040_OutOfY OE_1-Cut | 18.7 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Medium | 88 | 51-80 | Harvest | Clearcut with Retention | 4113 - R.Maple, Conifer | Even-Aged | Field Boundary |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> | | | Clearcut with Reserves - Cut all trees greater than 4 inches; except leave all cedar and pine. The retention will be the cedar, pine, and advanced | | | | | | | | |
| <u>Specs:</u> | | | conifer regeneration. Manage this stand for a mix of maple, ash, aspen, and balsam fir, and spruce. | | | | | | | | |
| <u>Next Step</u> | | | Monitoring, Natural Regen (Re-Inventory) | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> | | | Maple, aspen, ash, birch, spruce/fir, and pine. | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> | | | SCA - Removal; this stand does not have any unique qualities that need to be protected. Stand 9 in comp 40. Lowland deciduous stand that | | | | | | | | |
| <u>Comment:</u> | | | contains primarily red maple, ash, birch, and aspen. Treat this stand with the adjacent stands in comp 41. Old next step comments: Regeneration Survey per work instructions. | | | | | | | | |
| <u>Proposed Start Date:</u> | | | 10/01/2014 | | | | | | | | |
| 1 | 33040_OutOfY OE-Cut | 10.7 | 622 - Lowland Shrub | Nonstocked | 128 | Unspec ified | Harvest | Seed Tree with Retention | 42210 - Natural Red Pine | Two-Aged | Field Boundary |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> | | | Seed Tree with Reserves - Cut all trees greater than 3 inches; except mark a mix of seed trees to retain. More red pine seed trees should be left | | | | | | | | |
| <u>Specs:</u> | | | than white pine or spruce, but overall leave less than 10 basal area of seed trees. Manage this stand for red pine. | | | | | | | | |
| <u>Next Step</u> | | | SitePrep, Scarification; Monitoring, Natural Regen (Intermediate) | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> | | | About 70% of the stand is upland and is being managed for red pine. The other 30% is low ground and is being managed for spruce/fir, tamarack, | | | | | | | | |
| <u>Regen:</u> | | | and pine. | | | | | | | | |
| <u>Other</u> | | | SCA - Removal; this stand does not have any unique qualities that need to be protected. Stand 11 of comp 40. Red pine stand with some lower | | | | | | | | |
| <u>Comment:</u> | | | areas that contain white pine and spruce. Treat this stand while harvesting the adjacent stands in comp 41. Old next step comments: Following harvest, scarify this stand to expose mineral soil. Regeneration Survey per work instructions. | | | | | | | | |
| <u>Proposed Start Date:</u> | | | 10/01/2014 | | | | | | | | |
| 3 | 33040003-Cut | 6.1 | 4119 - Mixed Northern Hardwoods | Poletimber Well | 88 | 51-80 | Harvest | Clearcut with Retention | 4113 - R.Maple, Conifer | Even-Aged | Proposal - Approval Pending Edits |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> | | | Cut all trees greater than 3 inches; except hemlock and white pine. | | | | | | | | |
| <u>Specs:</u> | | | | | | | | | | | |
| <u>Next Step</u> | | | Monitoring, Natural Regen (Re-Inventory) | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> | | | Red maple, birch, spruce/fir, and pine. | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> | | | There is an active timber sale (North Loop) near this stand, that we could add this treatment to, if the contractor is interested in it. | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> | | | 07/01/2018 | | | | | | | | |
| 9 | 33040009-Cut | 5.8 | 42290 - Natural Mixed Pine | Sawtimber Well | 93 | 51-80 | Harvest | Seed Tree with Retention | 42290 - Natural Mixed Pine | Even-Aged | Proposal - Approval Pending Edits |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> | | | Cut all trees greater than 3 inches; except mark some red and white pine seed trees to retain for seed and diversity. | | | | | | | | |
| <u>Specs:</u> | | | | | | | | | | | |
| <u>Next Step</u> | | | Monitoring, Natural Regen (Re-Inventory) | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> | | | Red and white pine, spruce, and red maple. | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> | | | 10/01/2019 | | | | | | | | |



| Stand | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-------|----------------|-------|-------------------------------------|-----------------|-----------|----------|----------------|-------------------------|--------------------------------|---------------|-----------------------------------|
| 16 | 33040016-Cut | 10.5 | 6118 - Lowland Deciduous with Cedar | Poletimber Well | 95 | 81-110 | Harvest | Clearcut with Retention | 611 - Lowland Deciduous Forest | Two-Aged | Proposal - Approval Pending Edits |

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 3 inches; except do not cut cedar.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Lowland hardwood, balm, and spruce/fir.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------|------|-----------------------------|----------------|-----|--------|---------|--------------------------|--|----------|-----------------------------------|
| 18 | 33040018-Cut | 38.9 | 429 - Mixed Upland Conifers | Sawtimber Well | 124 | 81-110 | Harvest | Seed Tree with Retention | 4191 - Mixed Upland Deciduous with Conifer | Two-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|-----------------------------|----------------|-----|--------|---------|--------------------------|--|----------|-----------------------------------|

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 3 inches; except do not cut hemlock and cedar. Also mark to retain some scattered pine for seed and diversity.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable White pine, maple, birch, ash, and spruce/fir.

Regen:

Other This stand will be two aged following the harvest with mature hemlock and regenerating hardwoods and pine.

Comment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------|------|--|-------------------|----|------|---------|-------------------------|--|-----------|-----------------------------------|
| 22 | 33040022-Cut | 31.0 | 6117 - Lowland Deciduous, Mixed Coniferous | Poletimber Medium | 89 | 1-50 | Harvest | Clearcut with Retention | 6117 - Lowland Deciduous, Mixed Coniferous | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|--|-------------------|----|------|---------|-------------------------|--|-----------|-----------------------------------|

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 4 inches; except retain all cedar and hemlock. Also, retain all spruce less than 6 inches. In addition, mark some pine to retain for seed and diversity.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Ash, maple, spruce/fir, and pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------|------|----------------------------|----------------|----|-------|---------|-------------------|----------------------------|-----------|-----------------------------------|
| 24 | 33040024-Cut | 17.4 | 4319 - Mixed Upland Forest | Sawtimber Well | 89 | 51-80 | Harvest | Overstory Removal | 4319 - Mixed Upland Forest | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|----------------------------|----------------|----|-------|---------|-------------------|----------------------------|-----------|-----------------------------------|

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 3 inches; except retain all cedar and hemlock. Mark some pine to retain for seed and diversity. Also, retain a buffer along the drain/creek in the southern portion of the stand.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Maple, pine, spruce/fir, and ash.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019



| Stand | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-------|----------------|-------|--------------------------|----------------|-----------|----------|----------------|--------------------------|----------------------------|---------------|-----------------------------------|
| 27 | 33040027-Cut | 9.0 | 42210 - Natural Red Pine | Sawtimber Well | 108 | 81-110 | Harvest | Seed Tree with Retention | 42290 - Natural Mixed Pine | Even-Aged | Proposal - Approval Pending Edits |

Habitat Cut: No

Site Condition:

Prescription Cut all trees greater than 4 inches; except mark to retain some scattered pine seed trees and retain all hemlock. Leave less than 10 BA of pine.
Specs:

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

Acceptable Red and white pine, spruce/fir, and maple.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------|------|---------------------------------------|------------------|----|------|---------|-------------------------|--|-----------|-----------------------------------|
| 31 | 33040031-Cut | 18.6 | 6119 - Mixed Lowland Deciduous Forest | Sawtimber Medium | 95 | 1-50 | Harvest | Clearcut with Retention | 6117 - Lowland Deciduous, Mixed Coniferous | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|---------------------------------------|------------------|----|------|---------|-------------------------|--|-----------|-----------------------------------|

Habitat Cut: No

Site Condition:

Prescription Cut all hardwoods greater than 4 inches. All conifers will be retained for seed and diversity.
Specs:

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

Acceptable Maple, ash, spruce/fir, and pine.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------|-----|--|----------------|-----|--------|---------|----------------------------|-------------------------------------|----------|-----------------------------------|
| 32 | 33040032-Cut | 7.3 | 6132 - Mixed Lowland Forest with Cedar | Sawtimber Well | 113 | 81-110 | Harvest | Shelterwood with Retention | 6118 - Lowland Deciduous with Cedar | Two-Aged | Proposal - Approval Pending Edits |
|----|--------------|-----|--|----------------|-----|--------|---------|----------------------------|-------------------------------------|----------|-----------------------------------|

Habitat Cut: No

Site Condition:

Prescription Cut all trees greater than 3 inches; except do not cut the cedar.
Specs:

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

Acceptable Maple, ash, balm, aspen, and spruce/fir.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------|------|--|----------------|----|-------|---------|-------------------------|--|-----------|-----------------------------------|
| 33 | 33040033-Cut | 30.4 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 58 | 51-80 | Harvest | Clearcut with Retention | 4191 - Mixed Upland Deciduous with Conifer | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|--|----------------|----|-------|---------|-------------------------|--|-----------|-----------------------------------|

Habitat Cut: No

Site Condition:

Prescription Cut all trees greater than 3 inches; except do not cut cedar and hemlock. The retention will be the cedar and hemlock.
Specs:

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

Acceptable Aspen, balm, maple, spruce/fir, birch, ash, and pine.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2019



| Stand Name | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|------------|----------------|-------|--|-----------------|-----------|----------|----------------|-------------------|----------------------------|---------------|-----------------------------------|
| 43 | 33040043-Cut | 8.4 | 42390 - Mixed Non-Pine Upland Conifers | Poletimber Well | 77 | 51-80 | Harvest | Overstory Removal | 4319 - Mixed Upland Forest | Even-Aged | Proposal - Approval Pending Edits |

Habitat Cut: No

Site Condition:

Prescription Cut all trees greater than 4 inches; except retain all hemlock and cedar. Also, mark some pine to retain for seed and diversity.

Specs:

Next Step

Treatments:

Acceptable Spruce/fir, pine, aspen, and maple.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------|------|--------------|-----------------|----|-------|---------|-------------------------|-------------|-----------|-----------------------------------|
| 46 | 33040046-Cut | 10.3 | 4130 - Aspen | Poletimber Well | 47 | 51-80 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|--------------|-----------------|----|-------|---------|-------------------------|-------------|-----------|-----------------------------------|

Habitat Cut: No

Site Condition:

Prescription Cut all trees greater than 3 inches; except retain all hemlock and cedar.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventry)

Treatments:

Acceptable Aspen, maple, spruce/fir, and pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------|------|---------------------|-----------------|-----|-------|---------|----------|---------------------------|-----------|-----------------------------------|
| 48 | 33040048-Cut | 13.7 | 6122 - Black Spruce | Poletimber Well | 107 | 51-80 | Harvest | Clearcut | 6124 - Lowland Spruce-Fir | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|---------------------|-----------------|-----|-------|---------|----------|---------------------------|-----------|-----------------------------------|

Habitat Cut: No

Site Condition:

Prescription Cut all trees greater than 3 inches. No retention will be left, due to small stand size and to maximize regeneration by not leaving trees that will cause shading.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventry)

Treatments:

Acceptable Spruce, tamarack, pine, balm, and birch.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------|------|--|-------------------|----|-------|---------|-------------------------|--|-----------|-----------------------------------|
| 50 | 33040050-Cut | 67.2 | 6117 - Lowland Deciduous, Mixed Coniferous | Poletimber Medium | 93 | 51-80 | Harvest | Clearcut with Retention | 6117 - Lowland Deciduous, Mixed Coniferous | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|--|-------------------|----|-------|---------|-------------------------|--|-----------|-----------------------------------|

Habitat Cut: No

Site Condition:

Prescription Cut all trees greater than 3 inches; except retain all cedar. Also, mark to retain some pine and spruce seed trees.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventry)

Treatments:

Acceptable Maple, ash, birch, spruce/fir, tamarack, and pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019



| Stand | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-------|----------------|-------|-----------------------------|----------------|-----------|----------|----------------|--------------------------|---------------------------------------|---------------|-----------------------------------|
| 51 | 33040052-Cut | 6.3 | 429 - Mixed Upland Conifers | Sawtimber Well | 108 | 111-140 | Harvest | Seed Tree with Retention | 42260 - Natural Pine, Mixed Deciduous | Two-Aged | Proposal - Approval Pending Edits |

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 3 inches; except retain all hemlock. Also, mark some pine seed trees.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Pine, maple, and spruce/fir.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------|-----|-------------------------------------|----------------|----|-------|---------|-------------------------|-------------------------|-----------|-----------------------------------|
| 53 | 33040053-Cut | 9.6 | 4199 - Other Mixed Upland Deciduous | Sawtimber Well | 93 | 51-80 | Harvest | Clearcut with Retention | 4113 - R.Maple, Conifer | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|-----|-------------------------------------|----------------|----|-------|---------|-------------------------|-------------------------|-----------|-----------------------------------|

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 3 inches; except some pine will be marked to retain for seed and diversity. A 100' buffer will be retained along the West

Specs: Branch of Deer Creek, this area has been delineated out from the harvest.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Maple, birch, aspen, black cherry, ash, pine, and spruce/fir.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------|------|-------------------------------------|----------------|----|-------|---------|-------------------|-------------------------|-----------|-----------------------------------|
| 58 | 33040058-Cut | 27.0 | 4199 - Other Mixed Upland Deciduous | Poetimber Well | 85 | 51-80 | Harvest | Overstory Removal | 4113 - R.Maple, Conifer | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|-------------------------------------|----------------|----|-------|---------|-------------------|-------------------------|-----------|-----------------------------------|

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 3 inches; except mark to retain some pine for seed and diversity.

Specs:

Next Step

Treatments:

Acceptable Maple, pine, birch, aspen, ash, and spruce/fir.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------|------|----------------------------|----------------|-----|--------|---------|----------------------------|----------------------------|----------|-----------------------------------|
| 66 | 33040066-Cut | 40.4 | 42290 - Natural Mixed Pine | Sawtimber Well | 123 | 81-110 | Harvest | Shelterwood with Retention | 42290 - Natural Mixed Pine | Two-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|----------------------------|----------------|-----|--------|---------|----------------------------|----------------------------|----------|-----------------------------------|

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 5 inches; except retain all hemlock. Also, mark to retain some pine seed trees through the harvest for seed and diversity.

Specs: Leave less than 10 basal area of pine.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Pine, hemlock, maple, birch, and spruce/fir.

Regen:

Other

Only half of this stand will be harvested this entry period.

Comment:

Proposed Start Date: 10/01/2019



| Stand | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-------|----------------|-------|----------------------------|-----------------|-----------|----------|----------------|-------------------------|-------------------------|---------------|-----------------------------------|
| 68 | 33040068-Cut | 16.0 | 4319 - Mixed Upland Forest | Poletimber Well | 95 | 81-110 | Harvest | Clearcut with Retention | 4113 - R.Maple, Conifer | Two-Aged | Proposal - Approval Pending Edits |

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 3 inches; except retain all hemlock and cedar. Also, mark to retain some pine for seed and diversity.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Maple, pine, spruce/fir, birch, and hemlock.

Regen:OtherComment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------|-----|-------------------------------------|----------------|-----|--------|---------|-------------------------|--|-----------|-----------------------------------|
| 70 | 33040070-Cut | 9.8 | 6118 - Lowland Deciduous with Cedar | Sawtimber Well | 118 | 81-110 | Harvest | Clearcut with Retention | 6117 - Lowland Deciduous, Mixed Coniferous | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|-----|-------------------------------------|----------------|-----|--------|---------|-------------------------|--|-----------|-----------------------------------|

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 3 inches; except retain the functional shelter patches of cedar.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Maple, birch, balm, ash, spruce/fir, and pine.

Regen:OtherComment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------------|-----|-------------------------------------|----------------|-----|--------|---------|-------------------|--|-----------|-----------------------------------|
| 70 | 33040070-Cut-OvRem | 7.2 | 6118 - Lowland Deciduous with Cedar | Sawtimber Well | 118 | 81-110 | Harvest | Overstory Removal | 6117 - Lowland Deciduous, Mixed Coniferous | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------------|-----|-------------------------------------|----------------|-----|--------|---------|-------------------|--|-----------|-----------------------------------|

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 3 inches; except do not cut cedar.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Maple, birch, balm, ash, spruce/fir, and pine.

Regen:OtherComment:

Proposed Start Date: 06/20/2018

| | | | | | | | | | | | |
|----|--------------|-----|--------------------|----------------|----|-------|---------|----------|------------------------------|-----------|-----------------------------------|
| 71 | 33040071-Cut | 8.5 | 6115 - Lowland Ash | Sawtimber Well | 83 | 51-80 | Harvest | Clearcut | 6111 - Lowland Balsam Poplar | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|-----|--------------------|----------------|----|-------|---------|----------|------------------------------|-----------|-----------------------------------|

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 3 inches. No retention will be left, due to small stand size.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Balm, aspen, maple, spruce/fir, and ash.

Regen:OtherComment:

Proposed Start Date: 10/01/2019



| Stand | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-------|----------------|-------|--------------------|----------------|-----------|----------|----------------|-------------------------|--|---------------|-----------------------------------|
| 74 | 33040074-Cut | 15.1 | 6115 - Lowland Ash | Sawtimber Well | 95 | 81-110 | Harvest | Clearcut with Retention | 6117 - Lowland Deciduous, Mixed Coniferous | Even-Aged | Proposal - Approval Pending Edits |

Habitat Cut: No

Site Condition:

Prescription Cut all trees greater than 3 inches; except retain all hemlock. Also, delineate out and retain the dense pocket of hemlock in the southwest part of the stand. All species will be retained in this pocket.

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

Acceptable Maple, birch, ash, balm, and spruce/fir.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------------|-----|--------------------|----------------|----|--------|---------|-------------|--|-----------|-----------------------------------|
| 74 | 33040074-Cut-Shelt | 5.6 | 6115 - Lowland Ash | Sawtimber Well | 95 | 81-110 | Harvest | Shelterwood | 6117 - Lowland Deciduous, Mixed Coniferous | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------------|-----|--------------------|----------------|----|--------|---------|-------------|--|-----------|-----------------------------------|

Habitat Cut: No

Site Condition:

Prescription Cut all trees greater than 3 inches; except retain all hemlock and cedar.

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

Acceptable Maple, birch, ash, balm, and spruce/fir.
Regen:

Other
Comment:

Proposed Start Date: 06/20/2018

| | | | | | | | | | | | |
|----|--------------|-----|---------------------------------|----------------|-----|---------|---------|-------------------------|--|----------|-----------------------------------|
| 76 | 33040076-Cut | 8.0 | 4312 - Hemlock, Mixed Deciduous | Sawtimber Well | 108 | 111-140 | Harvest | Clearcut with Retention | 4191 - Mixed Upland Deciduous with Conifer | Two-Aged | Proposal - Approval Pending Edits |
|----|--------------|-----|---------------------------------|----------------|-----|---------|---------|-------------------------|--|----------|-----------------------------------|

Habitat Cut: No

Site Condition:

Prescription Cut all trees greater than 3 inches; except retain all hemlock.

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

Acceptable Maple, birch, hemlock, spruce/fir, and pine.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------|------|------------------------|----------------|-----|---------|---------|-------------------|---------------------------------|----------|-----------------------------------|
| 79 | 33040079-Cut | 16.5 | 42350 - Upland Hemlock | Sawtimber Well | 108 | 141-170 | Harvest | Overstory Removal | 4312 - Hemlock, Mixed Deciduous | Two-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|------------------------|----------------|-----|---------|---------|-------------------|---------------------------------|----------|-----------------------------------|

Habitat Cut: No

Site Condition:

Prescription Cut all trees greater than 3 inches; except retain all hemlock and cedar. Also, mark some pine to retain for seed and diversity. We will need to use the cutting spec, that will allow the contractor to cut only those hemlock and cedar needed to operate in the stand. Very little hemlock and cedar will need to be cut.

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

Acceptable Maple, birch, pine, hemlock, and spruce/fir.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2019



| Stand | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-------|----------------|-------|--------------------|-----------------|-----------|----------|----------------|------------------|--|---------------|-----------------------------------|
| 82 | 33040082-Cut | 12.7 | 6115 - Lowland Ash | Poletimber Well | 95 | 51-80 | Harvest | Clearcut | 6117 - Lowland Deciduous, Mixed Coniferous | Even-Aged | Proposal - Approval Pending Edits |

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 3 inches. No retention will be left, due to small stand size and the high percentage of ash in the stand.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Ash, maple, birch, balsam, spruce/fir, and pine.

Regen:OtherComment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|----------------|-----|----------------------|----------------|---|------|-----------|------------------|----------------------|----------|-----------------------------------|
| 89 | 33040089-Spray | 3.9 | 6112 - Lowland Aspen | Sapling Medium | 6 | 1-50 | Pesticide | Hand Application | 6112 - Lowland Aspen | Two-Aged | Proposal - Approval Pending Edits |
|----|----------------|-----|----------------------|----------------|---|------|-----------|------------------|----------------------|----------|-----------------------------------|

Habitat Cut: No**Site Condition:**

Prescription Herbicide to kill the phragmites within the stand. There is a narrow strip of phragmites running east - west through the center of the stand. Treat when funding is available.

Specs:

Next Step Monitoring, Herbicide Use

Treatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|--------------|------|--|----------------|----|--------|---------|-------------------------|--|-----------|-----------------------------------|
| 90 | 33040090-Cut | 22.0 | 6117 - Lowland Deciduous, Mixed Coniferous | Sawtimber Well | 98 | 81-110 | Harvest | Clearcut with Retention | 6117 - Lowland Deciduous, Mixed Coniferous | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|--|----------------|----|--------|---------|-------------------------|--|-----------|-----------------------------------|

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 3 inches; except retain all hemlock and white pine. Also, mark to retain some spruce and yellow birch. A 100' buffer will be retained along the West Branch of Deer Creek, this area has already been delineated from the harvest.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Ash, maple, birch, spruce/fir, and pine.

Regen:OtherComment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | | |
|----|---------------------|-----|--|----------------|----|--------|---------|-------------------|--|-----------|-----------------------------------|
| 90 | 33040090-Cut-Ov Rem | 7.2 | 6117 - Lowland Deciduous, Mixed Coniferous | Sawtimber Well | 98 | 81-110 | Harvest | Overstory Removal | 6117 - Lowland Deciduous, Mixed Coniferous | Even-Aged | Proposal - Approval Pending Edits |
|----|---------------------|-----|--|----------------|----|--------|---------|-------------------|--|-----------|-----------------------------------|

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 3 inches; except retain all hemlock, cedar, and white pine. Also, mark to retain some spruce and yellow birch for seed and diversity. A 100' buffer will be retained along the West Branch of Deer Creek, this buffer has been removed from the harvest.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Ash, maple, birch, spruce/fir, and pine.

Regen:OtherComment:

Proposed Start Date: 10/01/2019



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------------|----------------|-------|--|----------------|-----------|----------|----------------|------------------|--------------------------|---------------|-----------------------------------|
| 92 | 33040092-Cut | 7.4 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 53 | 51-80 | Harvest | Clearcut | 4134 - Aspen, Spruce/Fir | Even-Aged | Proposal - Approval Pending Edits |

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 3 inches. No retention will be left, due to small stand size and the high percentage of spruce/fir throughout the stand.
Specs:

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

Acceptable Aspen, balm, spruce/fir, maple, and pine.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2019

| | | | | | | | | | | |
|----|--------------|------|------------------------------------|-----|--------|---------|-------------------------|--|-----------|-----------------------------------|
| 94 | 33040094-Cut | 28.5 | 6115 - Lowland Ash Poletimber Well | 108 | 81-110 | Harvest | Clearcut with Retention | 6117 - Lowland Deciduous, Mixed Coniferous | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|------------------------------------|-----|--------|---------|-------------------------|--|-----------|-----------------------------------|

Habitat Cut: No**Site Condition:**

Prescription Cut all trees greater than 3 inches; except retain all spruce less than 6 inches. Also, retain the dense patches of cedar that have been delineated out of the treatment.
Specs:

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

Acceptable Ash, maple, birch, and spruce/fir.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2019

Total Treatment Acreage Proposed: 555.7

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dustin Salter : Examiner

Compartment: 40
Year of Entry: 2020

Availability for Management

| Total Acres | Acres Available | Acres Avail | | Dominant Site Conditions | 5C | 3J | 5E |
|----------------|--------------------|----------------|---------------|-----------------------------|-----------|----|----|
| | | With Condition | Not Available | | | | |
| 156 | 118 | 38 | 0 | Aspen | 38 | | |
| 123 | 123 | 0 | 0 | Cedar | | | |
| 112 | 112 | 0 | 0 | Hemlock | | | |
| 3 | 3 | 0 | 0 | Low-Density Trees | | | |
| 17 | 17 | 0 | 0 | Lowland Aspen/Balsam Poplar | | | |
| 61 | 61 | 0 | 0 | Lowland Conifers | | | |
| 259 | 244 | 0 | 15 | Lowland Deciduous | | 10 | 6 |
| 64 | 64 | 0 | 0 | Lowland Mixed Forest | | | |
| 529 | 529 | 0 | 0 | Lowland Shrub | | | |
| 30 | 30 | 0 | 0 | Lowland Spruce/Fir | | | |
| 291 | 281 | 0 | 9 | Mixed Upland Deciduous | | 9 | |
| 126 | 89 | 37 | 0 | Natural Mixed Pines | 37 | | |
| 17 | 17 | 0 | 0 | Northern Hardwood | | | |
| 12 | 12 | 0 | 0 | Red Pine | | | |
| 1 | 1 | 0 | 0 | Sand, Soil | | | |
| 239 | 219 | 20 | 0 | Upland Conifers | 20 | | |
| 226 | 226 | 0 | 0 | Upland Mixed Forest | | | |
| 42 | 42 | 0 | 0 | Upland Spruce/Fir | | | |
| 4 | 4 | 0 | 0 | White Pine | | | |
| 2,312 | 2,193 | 95 | 25 | Total Forested Acres | 95 | 19 | 6 |
| | 95% | 4% | 1% | 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 | 3J: Water quality / BMPs (stream, river, or lake) | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| The West Branch of the Deer Creek flows through the center of the stand. This stand was created by retaining a buffer along the creek, when the adjacent stand were harvested. | | | | | | | |

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dustin Salter : Examiner

Compartment: 40
Year of Entry: 2020

| | | | | | | | |
|---|--------------------|---|----|-----------------------------|-------------|-------------|-------------|
| 2 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 20 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: This stand was strip cut previously and the cut strips don't have enough volume to harvest at this time. This stand will be ready for harvest next entry period. | | | | | | | |
| 4 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 38 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Overall the stand is very low quality. The aspen is mature and could be harvested, but the other species within the stand are still mostly sub-merchantable or just merchantable. So, it is better to hold the stand 10 years until all species are merchantable. | | | | | | | |
| 5 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 37 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: This is a large stand, so I am dividing up the harvest into two different entry periods to break up the cutting. | | | | | | | |
| 6 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: 100' buffer along West Branch of Deer Creek. | | | | | | | |
| 7 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 10 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: 100' buffer along West Branch of Deer Creek. | | | | | | | |
| 8 | Unavailable | 5E: Long-Term Retention | 5 | 3L: Other wildlife concerns | Unspecified | Unspecified | Unspecified |
| Comments: Denser areas of cedar that wildlife wants to retain for shelter. | | | | | | | |

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dustin Salter : Examiner

Compartment: 40
Year of Entry: 2020

| | | | | | | | |
|--|-------------|-------------------------|---|-------------|-------------|-------------|-------------|
| 9 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Dense patches of cedar for shelter. | | | | | | | |
| 10 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Denser patches of cedar for shelter. | | | | | | | |

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

Mgt. Unit

Compartment:

Year of Entry



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



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|----------------------|-------|--------------|-------------|---|
| 2 | 6128 - Lowland Coniferous, Mixed Deciduous | Sapling Medium | 30.0 | 26 | 1-50 | Stand was cut in 1992. The stand has regenerated to a mix of conifers in the lower areas and aspen in the upland. Overall only about 60% of the stand has regeneration, the other areas are low and wet and contain tagalder. About half of the conifer is 40 to 60 years old, it was residual from the previous harvest. |
| 3 | 4119 - Mixed Northern Hardwoods | Poletimber Well | 6.1 | 88 | 51-80 | Mature lower quality red maple stand with a dense understory of spruce and pine regeneration. The majority of the stand is upland, except around the edge. The maple is mature and should be harvested while the hardwood is vigorous enough to sprout and to also release the conifer understory. Possibly add this treatment to the North Loop sale, with a contract supplement after it is approved. Otherwise there are no other treatments around this stand to treat it with. |
| 4 | 42290 - Natural Mixed Pine | Sawtimber Well | 10.7 | 110 | 81-110 | Stand is on contract 034-15-01 to be clearcut, leaving some seed trees. The treatment was added as an out of year treatment when sales in the adjacent compartment 41 were prepared. Access is very limited in this area. Mature pine stand with lowland pockets of spruce and pine. |
| 5 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Medium | 18.0 | 88 | 51-80 | Stand is on contract 034-15-01 to be clearcut; except the pine and cedar are being retained. Low quality red maple stand, with dense pockets of brush and areas of advanced conifer regeneration. |
| 6 | 42360 - Upland Cedar | Sawtimber Poor | 10.9 | 118 | 1-50 | Stand was cut in 2018 on contract 034-15-01. All species were cut; except hemlock and cedar. Some ash was left around the edges of the stand by the contractor and some pine was marked to retain. There is some residual advanced conifer regeneration present. The stand will regenerate with a mix of spruce, tamarack, and pine. The eastern third of the stand is lowland, the rest is upland. |
| 8 | 42200 - Natural White Pine | Poletimber Well | 4.3 | 40 | 1-50 | This stand is primarily a mix of pine that ranges from 20 year old saplings to 108 year log sized trees. With the median age being about 40. |
| 9 | 42290 - Natural Mixed Pine | Sawtimber Well | 5.8 | 93 | 51-80 | Mature mixed pine stand. The middle of the stand has dense good quality red pine, but the rest of the stand is a mix of moderate quality white pine, spruce and red maple. The stand is half upland and half lowland. All species are mature and are ready to be harvested. |
| 10 | 4319 - Mixed Upland Forest | Poletimber Medium | 79.7 | 26 | Immature | Cut in 1992 on contract 013-88-01. The stand is variably stocked, but overall most of the stand has regeneration. The eastern third of the stand is heavier to pine, the middle area is lower and has more spruce, balm, and tamarack, and the western third is mostly aspen. There are also numerous pockets of lowland brush mixed in. As the stand gets older the covertypes can get more refined. |
| 11 | 6122 - Black Spruce | Poletimber Medium | 8.3 | 68 | 1-50 | Low quality black spruce stand. |
| 13 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 29.0 | 41 | 51-80 | Fully stocked stand dominated primarily by red maple and white pine. There are some residual hardwoods, pine, hemlock, and cedar. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|----------------------|-------|--------------|-------------|--|
| 14 | 42350 - Upland Hemlock | Sawtimber Medium | 18.0 | 124 | 51-80 | Two aged stand of mature hemlock, cedar, and pine with 32 year old hardwood and conifer saplings and poles. All species were cut out of the stand; except the hemlock, cedar, and pine. The open areas of the stand regenerated well and the areas with more residual, didn't regenerate very well. |
| 15 | 6120 - Lowland Cedar | Poletimber Well | 20.3 | 119 | 111-140 | Lowland cedar stand, that varies from good quality cedar on the north end to low to moderate quality cedar on the south end. There were a couple of north south strips cut out of this stand 32 years ago, that have regenerated to a mix of lowland hardwood and conifer. |
| 16 | 6118 - Lowland Deciduous with Cedar | Poletimber Well | 10.5 | 95 | 81-110 | Low to moderate quality ash stand with a couple of dense pockets of cedar. The ash is mature and is ready to be harvested while the trees have enough vigor to sprout and prior to the arrival of the emerald ash borer. The majority of the cedar is in pockets, so it won't affect the hardwood sprouting. |
| 17 | 6128 - Lowland Coniferous, Mixed Deciduous | Sapling Medium | 20.5 | 34 | 1-50 | Overall low quality stand. The majority of the stand is lowland, which primarily has a mix of white pine and spruce/fir and the upland areas are primarily aspen and red maple. There are some residual maple, pine, hemlock, and cedar left from the last harvest. |
| 18 | 429 - Mixed Upland Conifers | Sawtimber Well | 38.9 | 124 | 81-110 | Mature hemlock, pine and hardwood stand. The hardwood and pine are at maturity and should be harvested while the hardwood has enough vigor left to stump sprout. Most of the hemlock is in dense patches. The majority of the stand is upland, except for some small ash pockets and a small black spruce pocket. |
| 19 | 4199 - Other Mixed Upland Deciduous | Poletimber Well | 10.3 | 37 | 1-50 | Fully stocked stand with a mix of balm, aspen, and red maple primarily. |
| 20 | 429 - Mixed Upland Conifers | Sawtimber Well | 20.0 | 117 | 51-80 | The stand was strip cut in the late 1970's and early 1980's. All species were retained within the leave strips. The hardwood, aspen, balm, and birch are dying out of the leave strips and should be harvested. The cut strips are fully stocked with a mix of species, but have the highest percentage of aspen and balm in them. So, if we hold the stand for ten years the species in the cut strips will either be mature (aspen and balm) or contain more merchantable wood. |
| 21 | 4319 - Mixed Upland Forest | Sapling Well | 10.0 | 29 | 1-50 | Upland ridge with a mix of maple, aspen, spruce/fir, and pine advanced regeneration. There are some residual older pine in the stand. |
| 22 | 6117 - Lowland Deciduous, Mixed Coniferous | Poletimber Medium | 31.0 | 89 | 1-50 | Stand was cut in 2012 on contract 006-10-01. All aspen, balm, and birch were cut. All spruce/fir with 3 or more sticks were cut. Also, all maple and ash greater than 11 inches were cut. Overall this stand is a low to moderate quality ash stand. That should be harvested while the ash has enough vigor left to stump sprout and prior to the arrival of the emerald ash borer. There was very little hardwood stump sprouts following the harvest, due to the amount of shade from the residual trees. The stumps that did sprout, have been heavily browsed and killed by deer. More stump sprouts need to be released to try and get the regeneration past the deer. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|---------------------|-------|--------------|-------------|--|
| 23 | 429 - Mixed Upland Conifers | Poletimber Well | 5.1 | 36 | 1-50 | Fully stocked stand consisting of red maple, white pine, and spruce/fir. There are some older pine within the stand. |
| 24 | 4319 - Mixed Upland Forest | Sawtimber Well | 17.4 | 89 | 51-80 | Mature moderate quality red maple and ash stand with a significant component of conifer. About 60% of the stand is upland and the other 40% is lowland consisting of ash. The majority of the stand has a dense understory of conifer regeneration. There is a dense strip of hemlock and cedar along the western edge of the stand. There is a small drain/creek on the southern end of the stand. This stand is mature and ready to be harvested while the hardwood has enough vigor to sprout and to release the advanced conifer regeneration. |
| 25 | 429 - Mixed Upland Conifers | Sapling Well | 47.1 | 21 | 1-50 | Stand was shelterwood cut in 1997 on contract 020-91-01. The short lived species were clearcut, the hardwood and spruce/fir greater than 7 inches were cut and the pine was marked to cut. This stand has a variety of ages, ranging from 20 to 110 with most of the stems being less than 35 to 40. Overall the stand has young regeneration with some older pine throughout. Most of the stand is upland, but there are some lowland pockets of ash and brush. |
| 26 | 42290 - Natural Mixed Pine | Sapling Well | 5.9 | 21 | Immature | Stand was clearcut in 1997 on contract 020-91-01. The stand has fully regenerated with pine and spruce. The stand is a 50/50 mix of upland and lowland. |
| 27 | 42210 - Natural Red Pine | Sawtimber Well | 9.0 | 108 | 81-110 | Stand was last thinned in 1997 on contract 020-91-01. Mature high quality red pine stand, with a dense understory of pine and spruce regeneration. Harvest the stand to release the advanced regeneration and to allow more red pine to regenerate. |
| 29 | 429 - Mixed Upland Conifers | Poletimber Well | 65.9 | 60 | 51-80 | Stand was cut in 1995 on contract 020-91-01. The aspen, balm, birch, and tamarack were all cut, the hardwood and spruce/fir greater than 7 inches was cut, and the pine was marked to cut. The stand had a shelterwood cut performed. The stand now contains older mature pine, hemlock, and cedar, about 20 to 40 basal area of 40 to 60 year old maple, ash, and spruce/fir, and a full stocking of white pine, maple, and spruce /fir regeneration that is 23 years old. The eastern third of the stand is lower and doesn't have a full stocking of regeneration. |
| 31 | 6119 - Mixed Lowland Deciduous Forest | Sawtimber Medium | 18.6 | 95 | 1-50 | Stand was cut in 2013 on contract 006-10-01. All aspen and birch were all cut and the spruce/fir with 3 or more sticks was cut. All hardwood was cut; except the those between 8 and 11.5 inches in diameter. Also all pine, cedar, and hemlock was retained. There is still about 40 to 50 basal area of mature hardwood left. There was very little hardwood stump sprouts following the harvest, due to the amount of shade from the residual trees. The stumps that did sprout, have been heavily browsed and killed by deer. More stump sprouts need to be released to try and get the regeneration past the deer. Harvest the stand again while the hardwood still has vigor and to release the conifer regeneration that is already present. The landowner on the east side of the stand has cleared a portion of state land and is mowing it. Once the property lines are ran, follow up with the landowner. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|-------------------|-------|--------------|-------------|--|
| 32 | 6132 - Mixed Lowland Forest with Cedar | Sawtimber Well | 7.3 | 113 | 81-110 | Mature lowland ash and cedar stand. The species other than the cedar are mature and ready to be harvested, while they have enough vigor to spout. The majority of the cedar is in dense clumps, so it won't have much of an affect on the hardwoods sprouting following the harvest. |
| 33 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 30.4 | 58 | 51-80 | Older mature hardwoods and cedar, with younger mature aspen, balm, and balsam fir. About 60% of the stand is upland. Some of the aspen and balm are dying out of the stand, there are a few different ages of aspen. The majority of the cedar and hemlock are mostly in two dense patches. All of the species are mature and ready to be harvested, while there is enough vigor to sprout. |
| 34 | 4319 - Mixed Upland Forest | Sawtimber Medium | 13.0 | 108 | 1-50 | Stand was cut in 2013 on contract 006-10-01. The aspen and balm were cut, the spruce/fir with 3 or more sticks was cut, all maple less than 7.5 inches was cut, and the other hardwood species and pine were marked to cut. There is a creek that flows along the southern edge of the stand, which was buffered during the timber sale. The stand has mature red maple and white pine over advanced white pine, and spruce/fir regeneration. More conifer regeneration will fill in over time, in the areas that have been opened up. |
| 35 | 429 - Mixed Upland Conifers | Poletimber Well | 28.9 | 34 | 1-50 | Stand was cut in 1981 on contract 06-81A. The pine and hemlock was retained. The stand has fully regenerated with a mix of conifers, with patches of aspen and red maple. There also some residual stems left from the last harvest. There are also some patches of lowland brush throughout the stand. |
| 36 | 6122 - Black Spruce | Poletimber Well | 8.5 | 67 | 1-50 | Low quality site, growing black spruce and tamarack. The tamarack is growing a little better. The stand will eventually have enough volume to harvest. |
| 37 | 6131 - Hemlock, White Pine, Maple, Birch | Poletimber Medium | 11.8 | 75 | 51-80 | Low productivity site, with mostly red maple and spruce growing on it. The stand has a dense understory of lowland brush. |
| 38 | 6127 - Lowland Pine | Sapling Well | 10.1 | 15 | Immature | Stand was seed tree cut in 2003 on contract 050-00-01. All species were cut, except some pine seed trees were retained, along with all cedar and hemlock. The stand has fully regenerated with a mix of pine, spruce, and red maple. |
| 39 | 42210 - Natural Red Pine | Sawtimber Poor | 3.1 | 96 | 1-50 | Stand was shelterwood cut in 2003 on contract 040-00-01. The stand has 30 to 50 basal area of residual red pine. The stand has fully regenerated with a mix of pine, spruce, and red maple. The overstory should be harvested, but there isn't anything else in the immediate area to harvest and a high percentage of the advanced regeneration would be damaged. |
| 40 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 33.0 | 35 | 1-50 | Stand was clearcut in 1983 on permit 5-81. Fully stocked stand, consisting mainly of red maple, aspen, spruce/fir, and white pine. There is some residual hemlock, cedar, and pine. The stand is mostly upland, with some pockets of lowland brush. |
| 41 | 4319 - Mixed Upland Forest | Poletimber Well | 32.6 | 75 | 51-80 | Moderate quality red maple stand with upland knobs of pine and hemlock. The stand is half upland and half lowland. The stand will be ready to harvest next entry. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|----------------------|-------|--------------|-------------|---|
| 42 | 42320 - Upland Spruce | Poletimber Well | 9.8 | 35 | 1-50 | Stand was shelterwood cut in 1983 on permit 05-81. Fully stocked good quality spruce and white pine stand. There were some spruce, maple, pine, and hemlock trees retained from the harvest. |
| 43 | 42390 - Mixed Non-Pine Upland Conifers | Poletimber Well | 8.4 | 77 | 51-80 | Mature balsam fir, spruce, and maple stand with a dense understory of spruce/fir and pine understory. There is a dense patch of hemlock on the north end of the stand. There is some minor defoliation from the spruce budworm. Harvest the stand, to release the advanced regeneration. |
| 44 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Medium | 12.6 | 75 | 51-80 | Narrow low quality ridge of red maple, with some dense pockets of conifer (most of them are on the north end). There is enough volume to harvest in the future. |
| 45 | 42320 - Upland Spruce | Poletimber Medium | 32.0 | 75 | 1-50 | Low to moderate quality spruce stand with some pockets of red maple and balsam fir. There are some pockets of high quality spruce on the west side of the stand. The stand varies in age from 50 to 85, with about half of it on the older side and half toward the 50 year old range. The stand consists of ridges of upland with narrow bands of lowland brush running through it. Parts of the stand are mature and are ready to be harvested, but hold this stand ten years until the younger stems become more merchantable. |
| 46 | 4130 - Aspen | Poletimber Well | 10.3 | 47 | 51-80 | Moderate to low quality aspen stand, with some mature hardwoods, cedar, and hemlock mixed in. This stand should be harvested while the aspen is vigorous enough to adequately sprout. |
| 47 | 42290 - Natural Mixed Pine | Poletimber Well | 11.1 | 54 | 1-50 | Stand was thinned in 1981 on contract 06-81A. The stand is an uneven aged pine stand, with ages ranging from 20 to 108. The areas that were opened up more during the last harvest have dense regeneration. This stand could be thinned again in ten years. |
| 48 | 6122 - Black Spruce | Poletimber Well | 13.7 | 107 | 51-80 | Very good quality black spruce stand that is mature and ready to be regenerated. The stand is growing on sphagnum moss, so no seed trees will be needed to regenerate the stand. The moss is holding enough seed to regenerate the stand. |
| 49 | 42290 - Natural Mixed Pine | Sawtimber Poor | 15.2 | 113 | 1-50 | Stand was thinned in 2013 under contract 006-10-01. All aspen and hardwoods were cut, along with all spruce/fir with 3 or more sticks. The pine was marked to cut. The residual pine varies from 10 to 60 basal area, with most of the stand in the middle. Most of the red pine is 113 years old, but the white pine varies from 30 to 113. The stand has some regeneration following the harvest, but it is too soon for much of the conifer regeneration to be present. The aspen and red maple regeneration have been heavily browsed by deer. Once the regeneration becomes established, remove the overstory. |
| 50 | 6117 - Lowland Deciduous, Mixed Coniferous | Poletimber Medium | 67.2 | 93 | 51-80 | Mature moderate quality ash stand, with some upland knobs of red maple and spruce/fir. There are also some small pockets of lowland brush. There is quite a bit of spruce regeneration throughout the stand. Harvest this stand while the hardwood is vigorous enough to stump sprout and prior to the arrival of the emerald ash borer. The spruce regeneration will be released following the removal of the overstory. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|---|----------------------|-------|--------------|-------------|---|
| 51 | 429 - Mixed Upland Conifers | Sawtimber Well | 6.3 | 108 | 111-140 | Stand was thinned in 2000 on contract 028-00-01. Mature pine stand with some dense pockets of hemlock. In the areas of the stand that were opened up more after the last harvest, there is dense pine and spruce regeneration. The pine is mature, with some of the red pine tops dying back. The stand should be harvested to release the present regeneration and to increase the regeneration, by opening up the stand. |
| 52 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Medium | 21.5 | 93 | 1-50 | Stand was shelterwood cut on permit 59-78A. This stand has 30 to 50 basal area of mature maple, ash, birch, spruce, and pine over a dense understory of aspen, balsam, spruce/fir, and red maple. The regeneration has grown slowly because of the shade from the residual overstory. If an attempt was made to remove the overstory at this time, most of the advanced regeneration would be destroyed. Hold off treating this stand until the understory is merchantable. |
| 53 | 4199 - Other Mixed Upland Deciduous | Sawtimber Well | 12.4 | 93 | 51-80 | Stand was thinned in 2013 on contract 006-10-01. Only about half of this stand was thinned last entry. The stand is a mix of upland ridges of red maple and lowland areas with green ash. All species are mature and are ready to be harvested. The portion of the stand that was thinned has a good stocking of aspen, spruce, and pine regeneration. By harvesting the stand now, we will release the existing regeneration and also stump sprout the hardwoods while they are vigorous enough to do so. The West Branch of Deer Creek flows along the northeast edge of the stand. |
| 54 | 4136 - Aspen, Mixed Conifer | Poletimber Well | 10.3 | 30 | 1-50 | Good quality aspen stand with some residual pine and hemlock. There are some small pockets of lowland brush on the west side of the stand. |
| 55 | 4199 - Other Mixed Upland Deciduous | Sawtimber Well | 6.3 | 93 | 51-80 | This stand is a mix of species/covertypes which was created by retaining a buffer along the West Branch of Deer Creek from a couple of different stands. The stand will not be harvested. |
| 56 | 4130 - Aspen | Poletimber Well | 26.4 | 30 | 1-50 | Stand was clearcut in 1998 on contract 021-86-01. Good quality aspen stand with some residual pine and hemlock. |
| 57 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Medium | 19.3 | 57 | 1-50 | Stand was shelterwood cut in 2013 on contract 006-10-01. All aspen, balsam and birch were cut, spruce/fir with 3 or more sticks was cut, maple over 8 inches was cut, and ash greater than 12 inches was cut. No pine was cut. The stand has an overstory of red maple, ash, and pine, with a significant component of 30 to 50 year old balsam fir and pine, and than 6 year old aspen and maple sprouts from the last harvest. Once the regeneration becomes established harvest the overstory. |
| 58 | 4199 - Other Mixed Upland Deciduous | Poletimber Well | 27.0 | 85 | 51-80 | Stand was thinned in 2000-01 on contract 028-00-01. Moderate to poor quality red maple stand with a fully stocked understory of white pine, balsam fir, and aspen. The regeneration needs to be released, before it becomes stunted. Harvest the overstory to release the regeneration and to stump sprout the hardwoods. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|------------------|-------|--------------|-------------|--|
| 59 | 42390 - Mixed Non-Pine Upland Conifers | Sawtimber Medium | 12.7 | 119 | 81-110 | Stand was cut in 1987 on contract 021-86-01. All cedar and hemlock were retained and the pine was marked to cut. The stand is about half mature pine, hemlock, and cedar with the other half being regeneration from the last harvest. The regeneration is growing slowly, because of the amount of shade that is present from the residual trees. |
| 60 | 42360 - Upland Cedar | Sawtimber Poor | 9.8 | 108 | 1-50 | Stand was cut in 2000 on contract 028-00-01. All hemlock and cedar was retained and the pine was marked to cut. The contractor who cut this sale, stole a significant amount of cedar from this stand. Also since the stand was cut a significant amount of cedar has blown over. The stand is fully stocked with regeneration, with a partial overstory of mature pine and cedar. |
| 61 | 4134 - Aspen, Spruce/Fir | Poletimber Well | 4.4 | 38 | 51-80 | Fully stocked moderate quality aspen stand. |
| 62 | 4110 - Sugar Maple Association | Sawtimber Well | 5.6 | 93 | 51-80 | Stand was thinned on 200-01 on contract 028-00-01. Good quality sugar maple stand with a dense understory of white pine regeneration. |
| 63 | 4190 - Mixed Upland Deciduous with Cedar | Sawtimber Well | 55.3 | 118 | 81-110 | Stand was strip cut in the 1960's. The stand is comprised of about 30% residual strips, consisting primarily of cedar. All species were retained within the leave strips, but most of the other ones have died out. The other 70% of the stand is primarily balm, aspen, and birch. The balm and aspen are mature and ready to be cut, but the other species have grown slower and a significant amount of them are sub-merchantable. The residual strips have shaded the cut areas, significantly slowing down the growth of the regeneration. Next entry all of the species should be merchantable and this stand could be cut. |
| 64 | 42350 - Upland Hemlock | Sawtimber Poor | 32.5 | 124 | 1-50 | Stand was cut on permit 53-82. The hemlock and cedar were retained and the pine was marked to cut. The stand is about 30 to 40% residual hemlock, cedar, and pine and the other part of the stand is younger red maple, spruce/fir, pine, and aspen. The regeneration has grown really slowly, due to the amount of residual species that were left. They have caused a significant amount of shade. |
| 65 | 4319 - Mixed Upland Forest | Poletimber Well | 17.4 | 35 | 1-50 | Fully stocked stand with a mix of red maple and conifers. There are some residual hemlock and pine. The southern 2/3rds of the stand is upland and the northern 1/3rd is lower. |
| 66 | 42290 - Natural Mixed Pine | Sawtimber Well | 77.5 | 123 | 81-110 | Stand was thinned in 1983 on contract 053-82A. The short lived species were cut and the pine, hemlock, and cedar were marked to cut. This is a mature pine stand with dense areas of hemlock. There are also pockets of dense regeneration created after the last harvest, from areas being opened up. The regeneration has grown slowly, because of the dense overstory that remains.. The pine is mature and should be harvested, to regenerate more of the stand and to release the regeneration that already exists. Because of the large stand size we will only harvest about half of this stand this entry and the other half will be treated next entry. |
| 67 | 4139 - Aspen, Mixed Deciduous | Poletimber Well | 37.9 | 48 | 51-80 | Lower quality aspen and red maple stand. The aspen is nearing maturity, but a significant amount of the other species are just becoming merchantable. Hold this stand ten years to allow the other species to grow and mature. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|-----------------|-------|--------------|-------------|---|
| 68 | 4319 - Mixed Upland Forest | Poletimber Well | 16.0 | 95 | 81-110 | Mature red maple and spruce stand with a significant component of hemlock. In the areas of the stand that don't have a dense overstory of hemlock, there is a dense understory of white pine regeneration. Harvest this stand releasing the pine regeneration and stump sprouting the hardwood while they are vigorous enough to. |
| 69 | 42350 - Upland Hemlock | Sawtimber Well | 6.5 | 118 | 111-140 | Mature hemlock stand, with very few other species mixed in. |
| 70 | 6118 - Lowland Deciduous with Cedar | Sawtimber Well | 17.7 | 118 | 81-110 | Mature lowland hardwood stand, with a significant component of cedar. All of the species are mature and should be harvested. The hardwoods and balm need to be harvested before they die out and are unable to sprout. Only about 30% of the cedar will be harvested. Cutting some cedar is necessary in order to operate in the stand and to allow enough sunlight in to allow the hardwoods and balm to sprout and grow well. |
| 71 | 6115 - Lowland Ash | Sawtimber Well | 8.5 | 83 | 51-80 | Good quality ash and balm stand, with an understory of spruce/fir. Cutting this stand now we will be convert most of this stand to a mix of balm and spruce/fir, prior to the arrival of the emerald ash borer. |
| 72 | 4130 - Aspen | Poletimber Well | 27.6 | 32 | 1-50 | Good quality aspen stand, with some residual spruce/fir. The majority of the stand is upland, except the northeast corner is lower and contains more conifer. |
| 73 | 4119 - Mixed Northern Hardwoods | Sawtimber Well | 5.6 | 103 | 81-110 | Stand was thinned in 2013 on contract 006-10-01. Stand was previously thinned in 1977. PVT camp to the east of the stand, that has encroached onto state land. The northern half of the stand is high quality sugar maple and the southern half is a mix of red maple, cedar, and hemlock. The areas that have been opened up are filling in with conifers. |
| 74 | 6115 - Lowland Ash | Sawtimber Well | 21.3 | 95 | 81-110 | Mature good quality ash stand, with a dense pocket of hemlock in the southwest part of the stand. There is dense understory of spruce throughout most of the stand. Harvest this stand prior to the arrival of the emerald ash borer and while the hardwood stems are vigorous enough to sprout. By removing the overstory the spruce regeneration will also be released. |
| 75 | 6132 - Mixed Lowland Forest with Cedar | Sawtimber Well | 14.1 | 118 | 141-170 | Moderate quality cedar stand, with a significant component of lowland hardwood. The stand is a mix of lowland and upland. The cedar is very shallowly rooted, with a significant amount of it blown down already. The species other than cedar are mature and should be harvested, but if they are harvested most of the cedar will blow down. |
| 76 | 4312 - Hemlock, Mixed Deciduous | Sawtimber Well | 15.2 | 108 | 111-140 | Good quality hemlock and upland hardwood stand. The hardwoods are over mature and are dying back and out of the stand. The hardwoods and spruce should be harvested to salvage as much as possible and to start to regenerate the portions of the stand without hemlock. The northern half of the stand has a much higher percentage of hardwoods. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|-----------------|-------|--------------|-------------|--|
| 77 | 6132 - Mixed Lowland Forest with Cedar | Poletimber Poor | 15.2 | 108 | 1-50 | Stand was cut in 2013 on contract 006-10-01. The aspen and balm were cut, the spruce/fir with 3 or more sticks was cut, maple and ash greater than 10 inches was cut, and birch greater than 8 inches was cut. The stand still has about 50% canopy, primarily a mix of cedar and ash. Quite a bit of the residual cedar has blown down. The hardwood and aspen sprouts have been heavily browsed by deer, with a high percentage being killed. Some conifers are starting to seed in, over time the stand will fill in with more conifer. |
| 78 | 4130 - Aspen | Poletimber Well | 9.4 | 33 | 1-50 | Stand was cut in 1985 on contract 24-80A. Fully stocked moderate quality aspen stand, with a fully stocked understory of red maple seedlings. |
| 79 | 42350 - Upland Hemlock | Sawtimber Well | 16.5 | 108 | 141-170 | Good quality hemlock stand, with a significant component of upland hardwoods. The hardwoods are mature and are dying back and dying out of the stand. Harvest the hardwoods, pine, and spruce/fir to begin to regenerate the stand and to salvage as much of these trees as possible. |
| 80 | 6120 - Lowland Cedar | Poletimber Well | 14.1 | 118 | 111-140 | Low to moderate quality cedar stand, with some pockets of very high quality cedar in the transition zone of stand 73. There are also some pockets of lowland hardwoods mixed in throughout the stand. |
| 81 | 42350 - Upland Hemlock | Sawtimber Well | 12.3 | 108 | 111-140 | High quality hemlock stand, with mature hardwoods and pine mixed in. The hardwoods are dying out of the stand, especially the yellow birch. The hardwoods and pine should be harvested, but because of other cutting taking place around this stand hold this treatment until next entry period. |
| 82 | 6115 - Lowland Ash | Poletimber Well | 12.7 | 95 | 51-80 | Low to moderate quality ash stand. The stand is mature and should be harvested while it is vigorous enough to regenerate and prior to the arrival of the emerald ash borer. |
| 83 | 42380 - Non Pine Upland Conifer, Mixed Deciduous | Sawtimber Well | 5.7 | 108 | 111-140 | This small stand is made up of three different covertypes, all of which are too small to map out. The southwest portion is primarily hemlock, the east half is hardwood, and the northeast portion is a mix of cedar and hardwoods. The hardwoods are mature and dying out of the stand. The hardwoods should be harvested, but because of other cutting taking place around this stand hold this treatment until next entry period. |
| 84 | 4134 - Aspen, Spruce/Fir | Poletimber Well | 29.6 | 33 | 1-50 | Stand was cut in 1985 on contract 024-80-01. Good quality aspen, red maple, and spruce/fir stand. About 1/3rd to 1/2 of the spruce/fir is older and was retained during the last harvest. The aspen in the southern half of the stand is higher quality. |
| 85 | 6132 - Mixed Lowland Forest with Cedar | Sawtimber Well | 15.8 | 108 | 81-110 | Mature cedar and lowland hardwood stand with some upland areas with birch, pine, and hemlock. In the lower portions of the stand a substantial amount of the cedar has blown down. The hardwoods, pine, and spruce/fir are mature and should be harvested, but with the other harvesting taking place around this stand hold until the next entry. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|-----------------|-------|--------------|-------------|---|
| 86 | 4319 - Mixed Upland Forest | Sapling Well | 40.2 | 28 | 1-50 | Stand was cut in 1990 on contract 021-86-01. The cedar and hemlock was retained. The stand is fully stocked, but overall the stand is low quality. The stand has regenerated to a wide mix of species, the species vary based on the soil conditions. |
| 87 | 6120 - Lowland Cedar | Sawtimber Well | 16.8 | 118 | 111-140 | Overall high quality cedar stand, especially the western 1/3rd which is very high quality. There are a couple of upland knobs within the stand, that contain hardwoods and hemlock. |
| 88 | 42350 - Upland Hemlock | Sawtimber Well | 11.3 | 119 | 111-140 | Stand was cut in 1987 on contract 021-86-01. The hemlock and cedar was retained and the pine was marked to cut. The stand has very little regeneration from the harvest, do the dense canopy that was retained. |
| 89 | 6112 - Lowland Aspen | Sapling Medium | 16.6 | 6 | 1-50 | Stand was cut in 2012 on contract 006-10-01. The ash less than 10 inches was retained, along with all white pine and hemlock. The stand is about 60% stocked with a mix of aspen, balm, and red maple regeneration and older ash and white pine. The deer have heavily browsed and killed a high percentage of the red maple and ash regeneration. There is a strip of phragmites through the center of the stand, that will need to be treated to keep it from spreading. Treat when funding is available. |
| 90 | 6117 - Lowland Deciduous, Mixed Coniferous | Sawtimber Well | 38.9 | 98 | 81-110 | Overall good quality ash stand, except the northern edge is lower quality black ash. The West Branch of the Deer Creek flows through the southern half of the stand. All species in this stand are mature and are ready to be harvested while the hardwood are vigorous enough to stump sprout and prior to the arrival of the emerald ash borer. |
| 92 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 7.4 | 53 | 51-80 | Mature aspen, balm, and spruce/fir stand. The majority of the spruce/fir is older than the aspen and balm, but it ranges from 20 to 80 years old. The east half of the stand has a higher density of aspen and balm and the west half has a much higher density of spruce/fir. All of the species are mature and are ready to be harvested. |
| 93 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Well | 8.2 | 45 | 1-50 | Fully stocked mixed hardwood and conifer stand, that was harvested about 45 years ago. There are some residual hardwood and spruce/fir left from the last harvest. There is some minor spruce budworm defoliation, but very minor. There isn't enough volume to harvest. |
| 94 | 6115 - Lowland Ash | Poletimber Well | 33.0 | 108 | 81-110 | Good quality ash stand. All species within the stand are mature and ready to be harvested, while the hardwood is vigorous enough to sprout and prior to the arrival of the emerald ash borer. There is quite a bit of spruce regeneration throughout the stand, which will be released with the harvesting of the stand. |
| 95 | 6120 - Lowland Cedar | Poletimber Well | 51.4 | 119 | 111-140 | Overall moderate to low quality cedar stand; except the southern third of the stand has higher ground and the cedar is much higher quality. There are a number of small pockets of lowland hardwood throughout the stand. |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|----------------------------------|-------|--------------|---|
| 1 | 622 - Lowland Shrub | 501.1 | No | Stand is primarily lowland tagalder and holly, with some pockets of ash, tamarack, cedar, and lowland marsh grass. |
| 7 | 3302 - Low Density Conifer Trees | 2.6 | | Cstand was seed tree cut in 2018 on contract 034-15-01. The stand will regenerate to a mix of pine, spruce/fir, and tamarack primarily. |
| 12 | 710 - Sand, Soil | 0.6 | No | Sand and gravel borrow pit. |
| 28 | 622 - Lowland Shrub | 13.5 | No | Lowland brush and marsh grass. |
| 30 | 622 - Lowland Shrub | 3.0 | No | Lowland brush stand, with tagalder and holly and some scattered merchantable ash. |
| 91 | 622 - Lowland Shrub | 11.1 | No | Stand is a mix of lowland brush and marsh grass, with some balm and conifer seedlings around the edge. |