



Compartment Review Presentation

Grayling Forest Management Unit

Compartment 72297

Entry Year 2021

Acreage: 2,086

County Crawford

Management Area: Kirtland's Warbler

Revision Date: 2019-07-03

Stand Examiner: Scott McClarren

Legal Description:

T25N R2W Sections 4, 9, 10, 15, 16, 21
South Branch Township

Identified Planning Goals:

To maintain forest health, productivity, sustainability, species diversification, and structural diversity throughout the compartment while providing for multiple use and visual management. In addition, to maintain a healthy habitat for the endangered species *Dendroica kirtlandii* (Kirtland's warbler), taking into account warbler management plan directives, species diversity, and visual management.

Soil and topography:

The compartment is dominated by flat outwash plains on Grayling Sand, with Graycalm-Grayling soils on adjacent rolling hills. Organic soils are concentrated along the Thayer Creek floodplain.

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

The lands adjacent to the compartment are a mix of State, Federal and private ownership, including a golf course development. The compartment is part of the Pere Cheney Kirtland's Warbler Management Unit.

Unique Natural Features:

In addition to Kirtland's warbler habitat, Thayer Creek is part of a designated Natural Rivers system. Kirtland's warbler and dry prairie plants associated with pine barrens have been found within the compartment. In addition, there is the potential for rare insect species to be found within the pine barrens types, and for rare reptiles to occur along the riparian corridors.

Archeological, Historical, and Cultural Features:

Seven archaeological sites are recorded within this compartment.

Special Management Designations or Considerations:

The compartment is part of the Pere Cheney Kirtland's Warbler Management Unit, a High Conservation Value Area (HCVA). In addition, the Thayer Creek corridor is within another HCVA.

Watershed and Fisheries Considerations:

This compartment is in the Au Sable River watershed, and contains a portion of Thayer Creek, and an unnamed tributary to Thayer creek. Thayer Creek is a designated trout stream. Prescribed management activities are appropriate for the protection of these waterbodies.

Wildlife Habitat Considerations:

Habitat management for the Kirtland's warbler not only benefits that species, but also provides habitat for other opening-dependent songbirds, and white-tailed deer. The compartment's aspen and lowland type interface provide habitat for grouse and woodcock.

Mineral Resource and Development Concerns and/or Restrictions

Active sand/gravel pits are located approximately three miles to the southwest, and there should be good potential for sand & gravel within the compartment. There has been no oil & gas production, past or present, within one mile of the compartment. The small Hickey Creek field is located roughly two miles to the southeast. The field is undergoing secondary recovery operations for the Richfield. State mineral rights in the compartment were leased in the recent past by Marathon, but the company has since abandoned its development plans in the state. Potential for future oil & gas development within the compartment is considered low at this time. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

County roads include Haymarsh Creek Trail, Chase Bridge, South Branch, Pere Cheney, Durant Castle and East Seven Mile Roads. The compartment is readily accessible via county roads and state trail roads.

Survey Needs:

None

Recreational Facilities and Opportunities:

The compartment provides dispersed recreational opportunities in the form of birding and hunting. It does not contain any designated recreational trails or facilities.

Fire Protection:

The compartment's blocks of jack pine, in rotation for Kirtland's warbler habitat, are broken up by improved road corridors. Access to the upland areas is good on existing two-tracks. The nearest water source is Thayer Creek.

Additional Compartment Information:**The following reports from the Inventory are attached:**

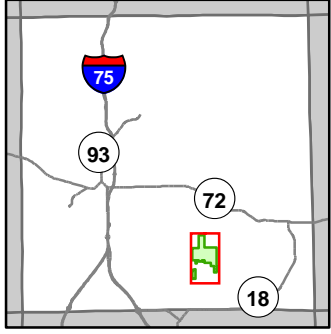
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

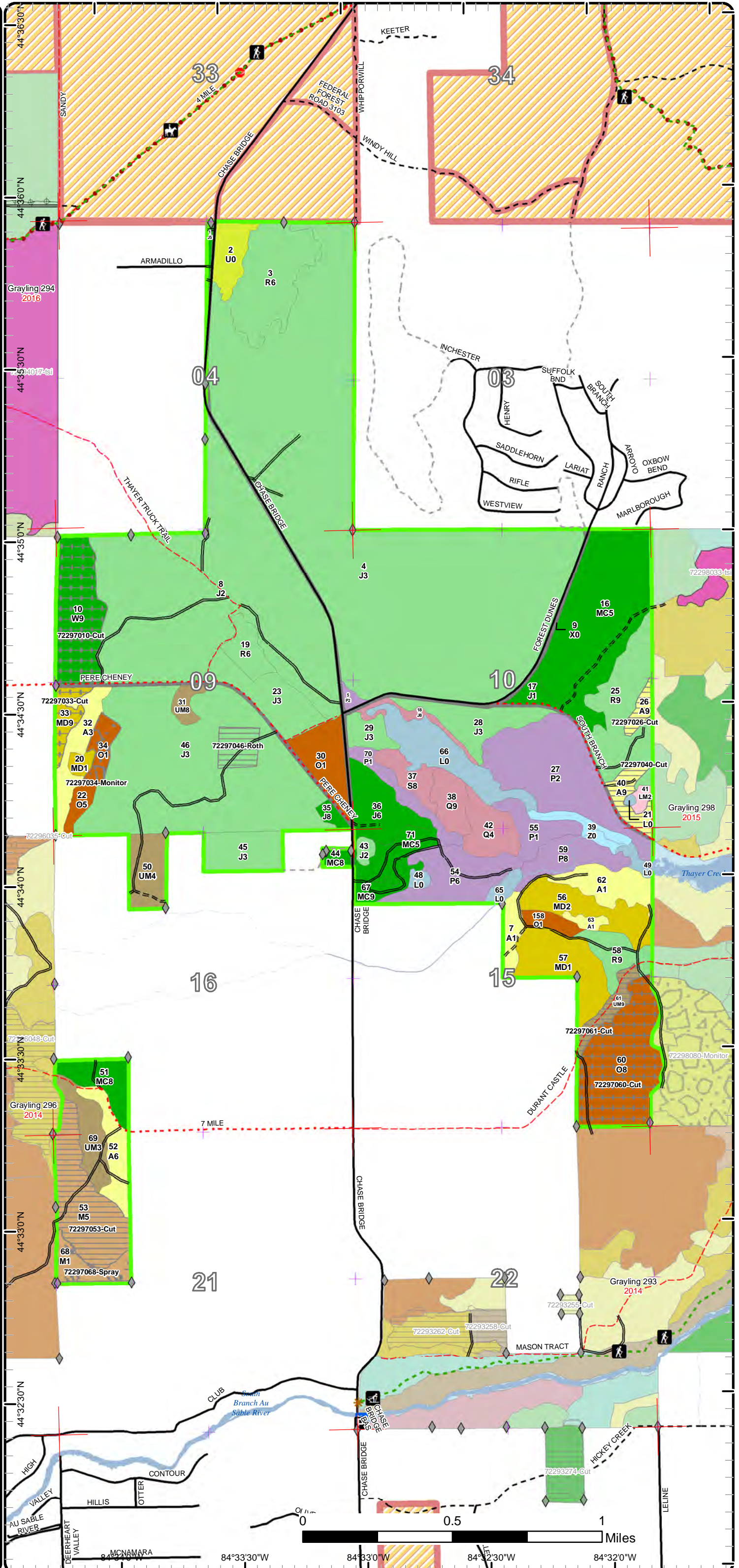
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 297
 T25N, R02W, Sec. 4, 9-10, 14-16, 21
 County: Crawford
 Unit: Grayling
 Mgmt Area: Kirtland's Warbler
 YOE: 2021
 Acres: 2,086 GIS Calculated
 Examiner: Scott McClarren
 Map Revised: 12/10/2019
 Map Phase: Post-Review

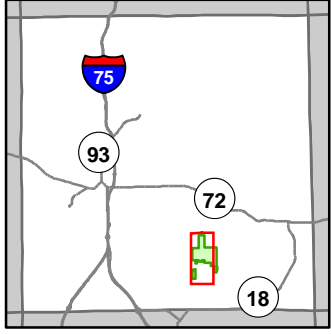


- Miris Corners
- Remonumented Section Corners
- Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
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- 422 - Natural Pines
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- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub

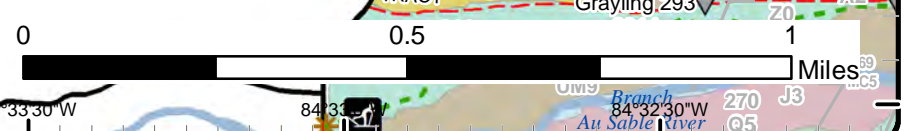
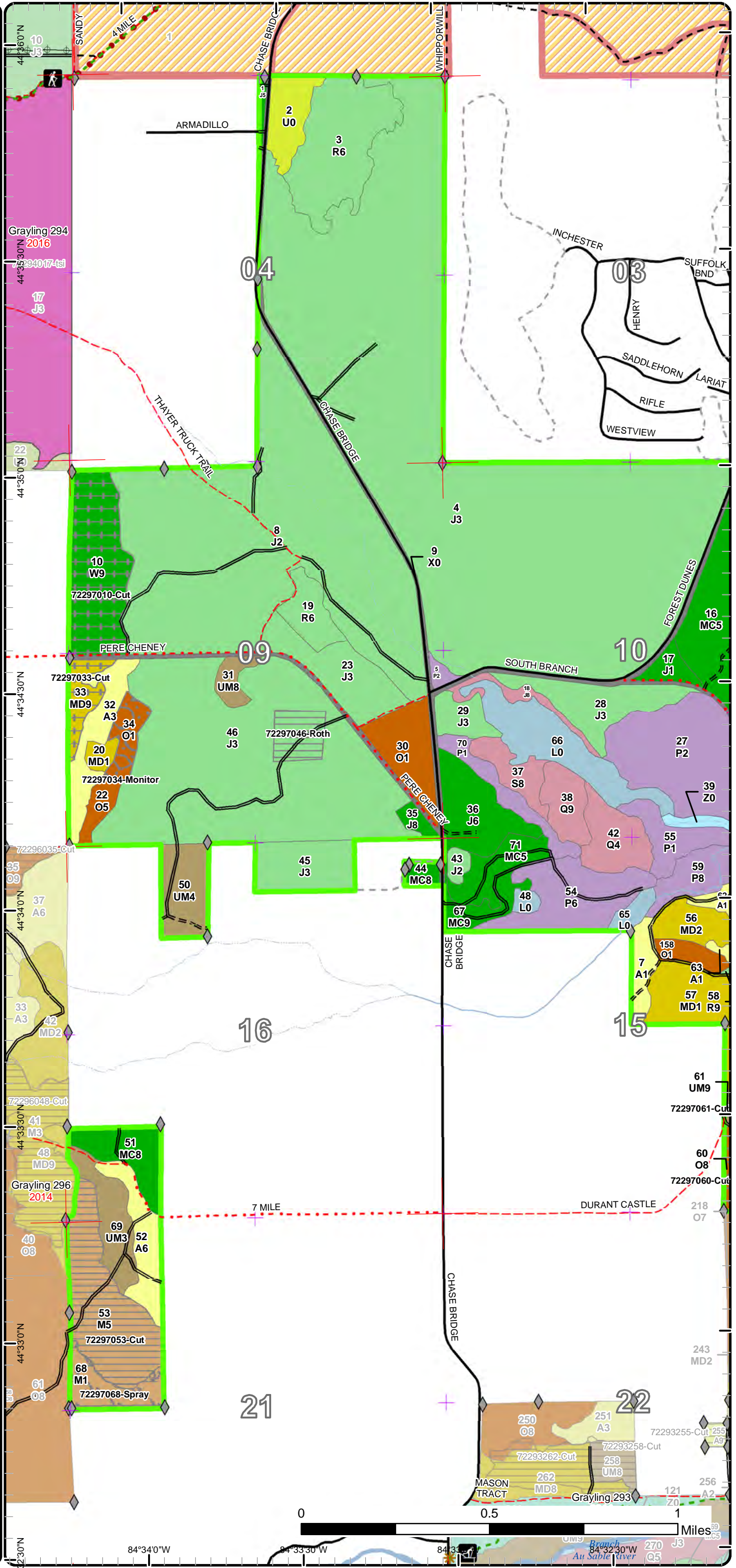


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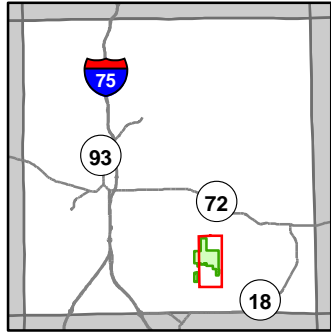
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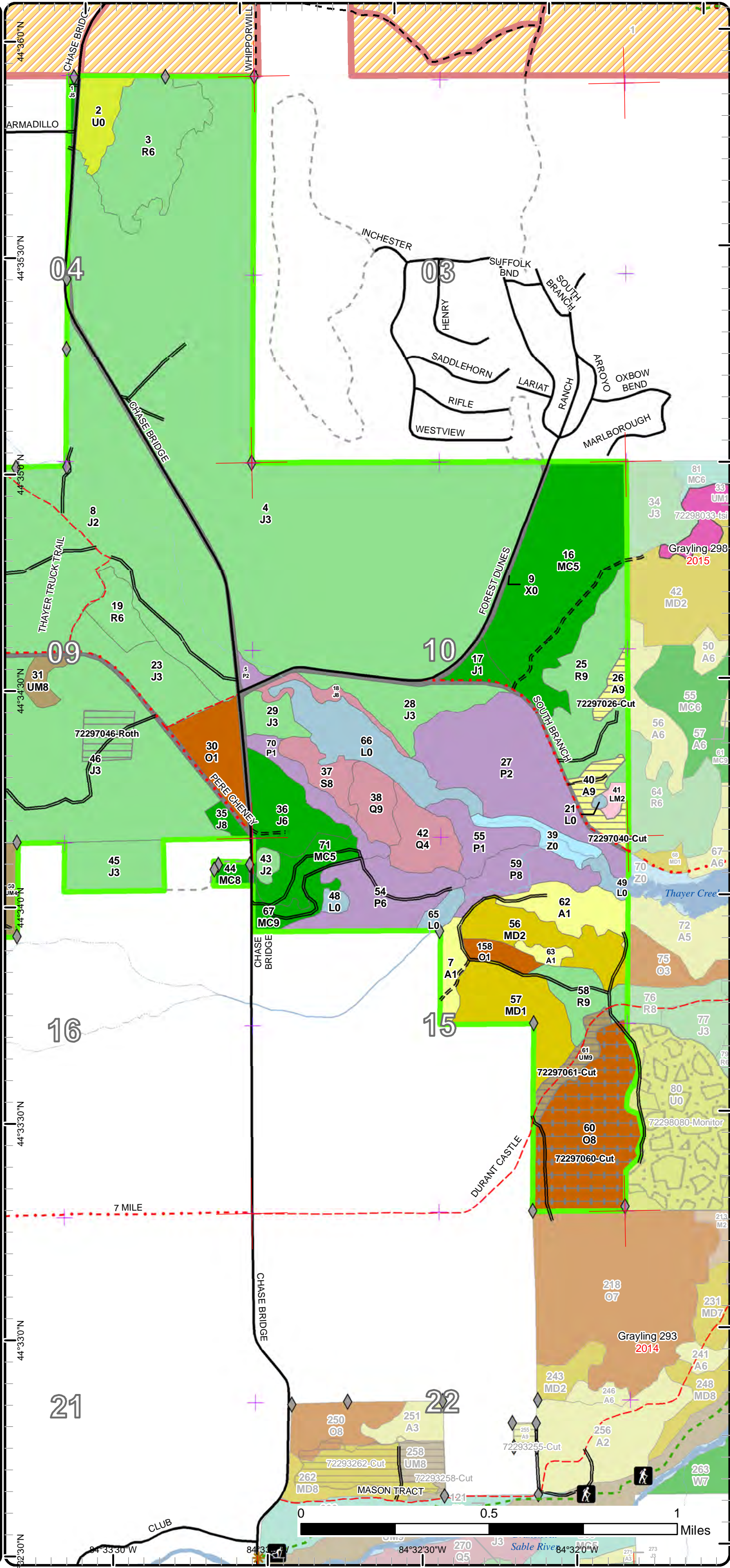
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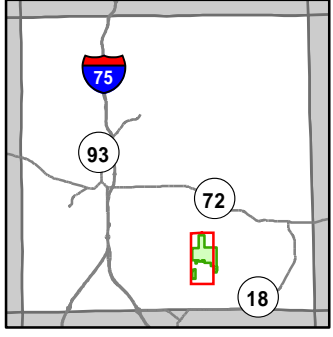


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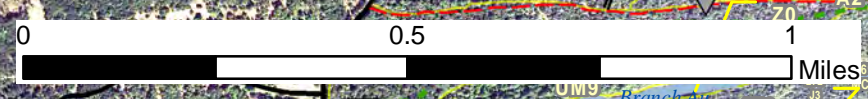
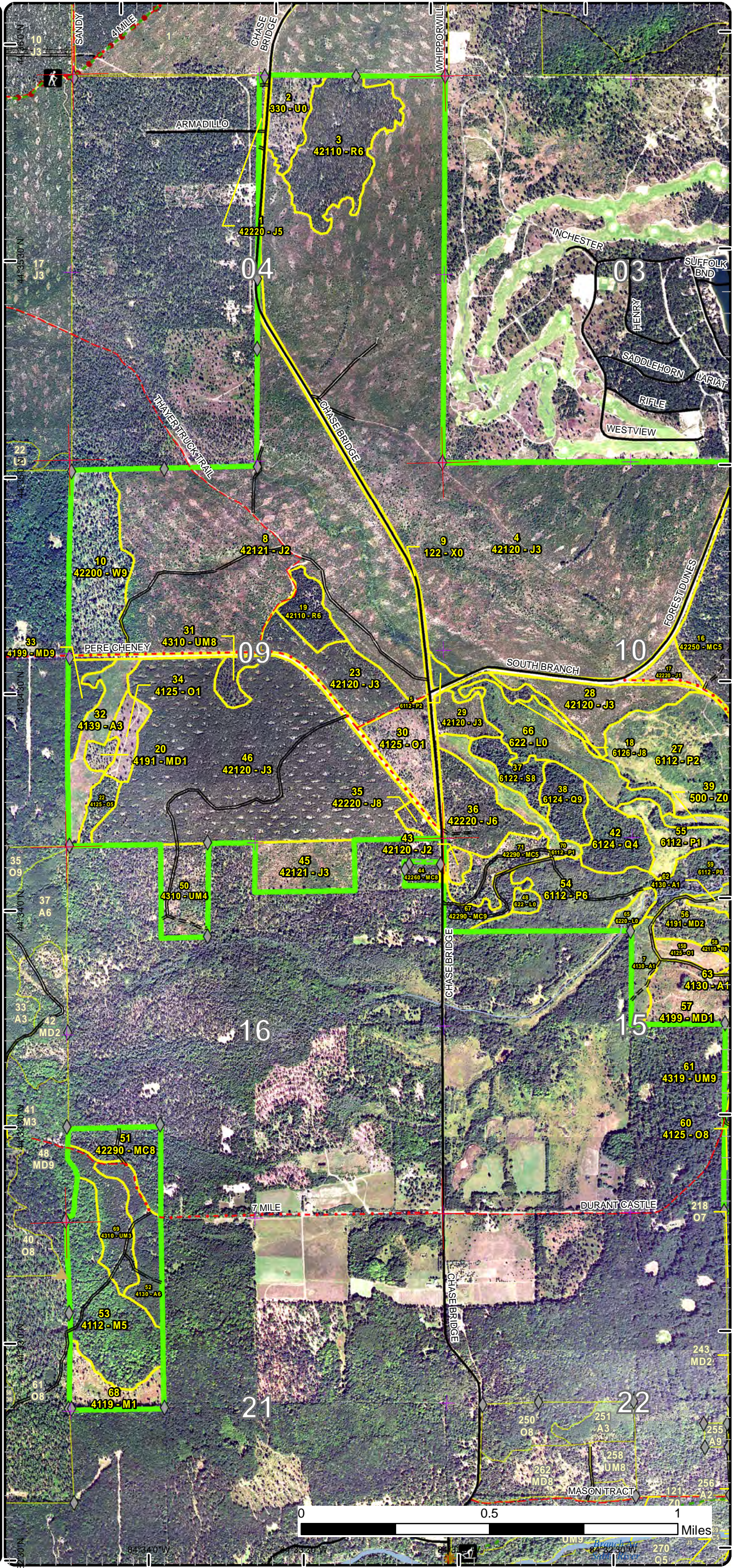


Stand Boundary Map

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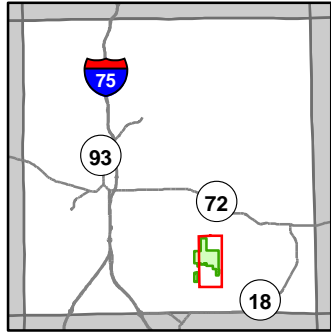
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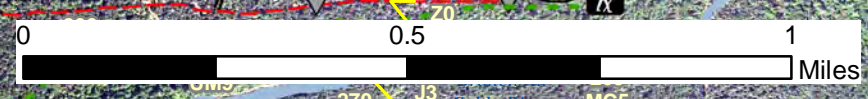
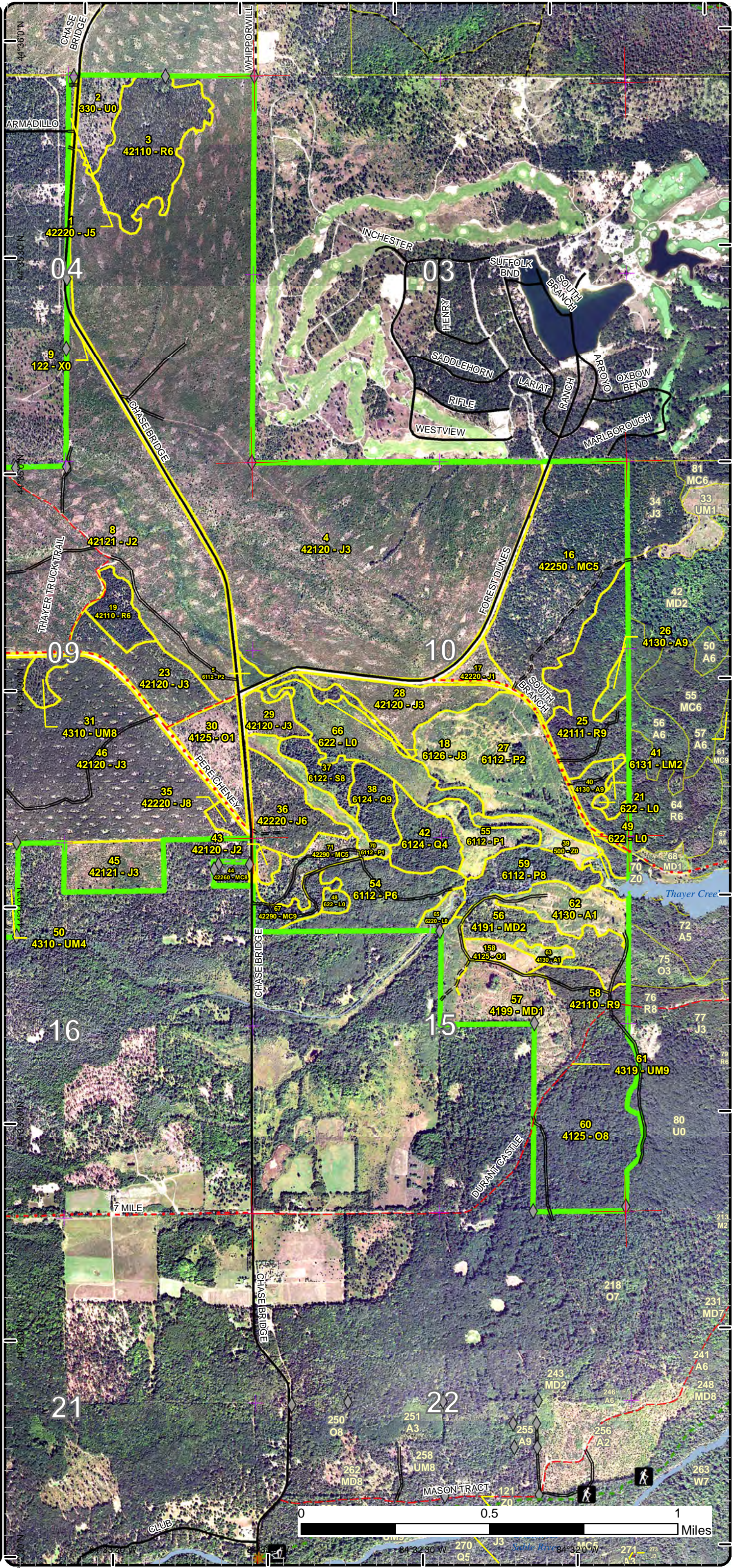
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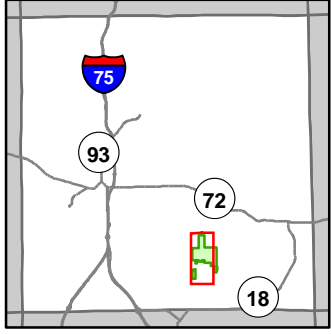


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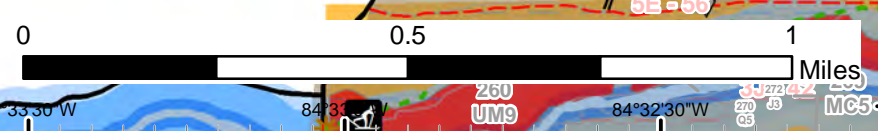
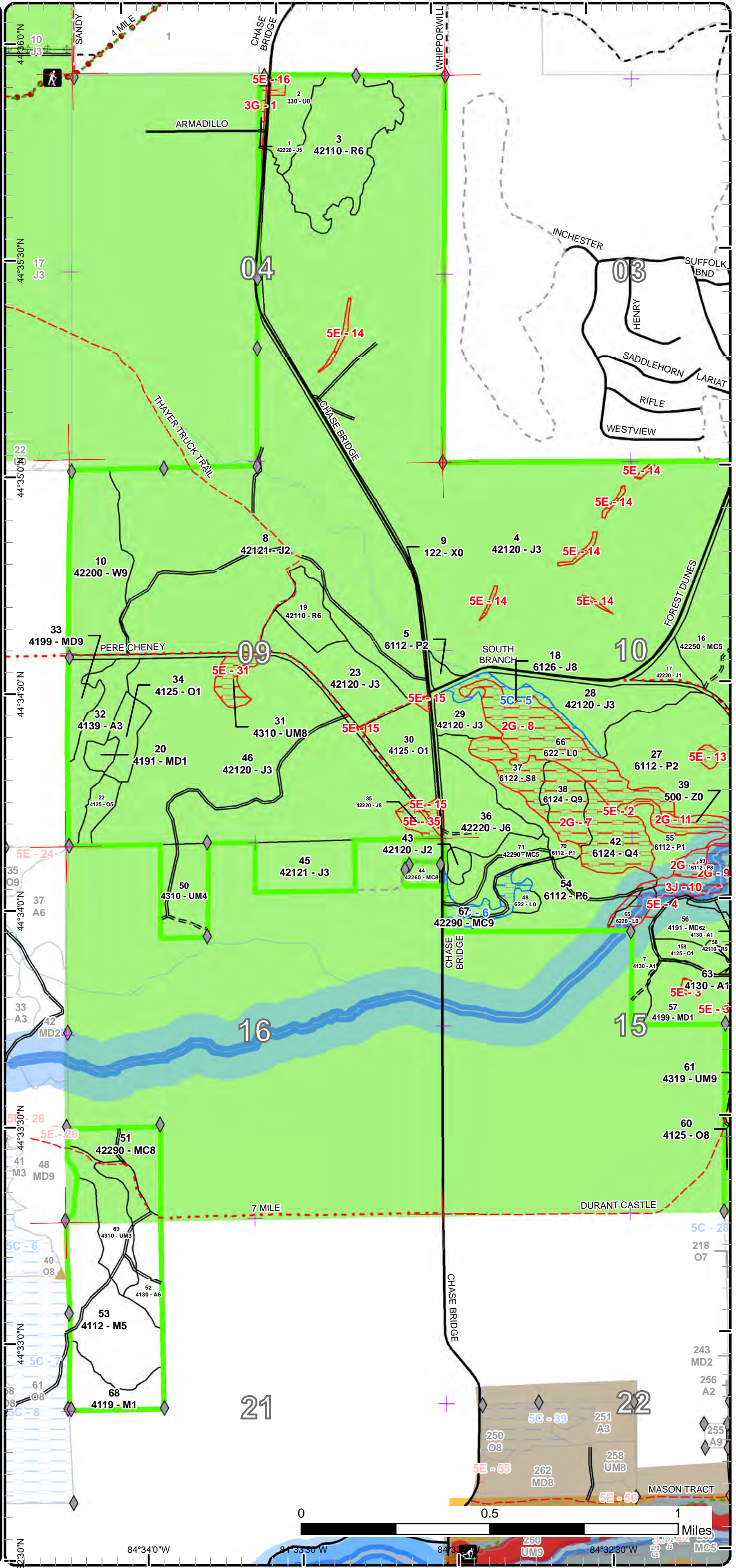


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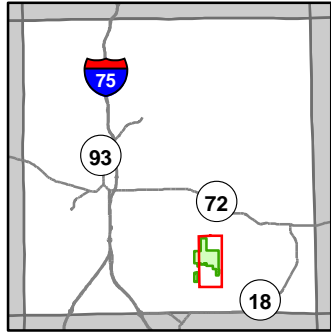
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- 2G: Too wet (sensitive soils, does not include access issues)
- 3G: Other Influence zones - See comments
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Kirtland Warbler Habitat
- Dedicated Management Areas
- Cold Water Streams
- Cold Water Lakes
- Non-Dedicated Natural Areas and National Natural Landmarks
- High Priority Trout Stream Buffer



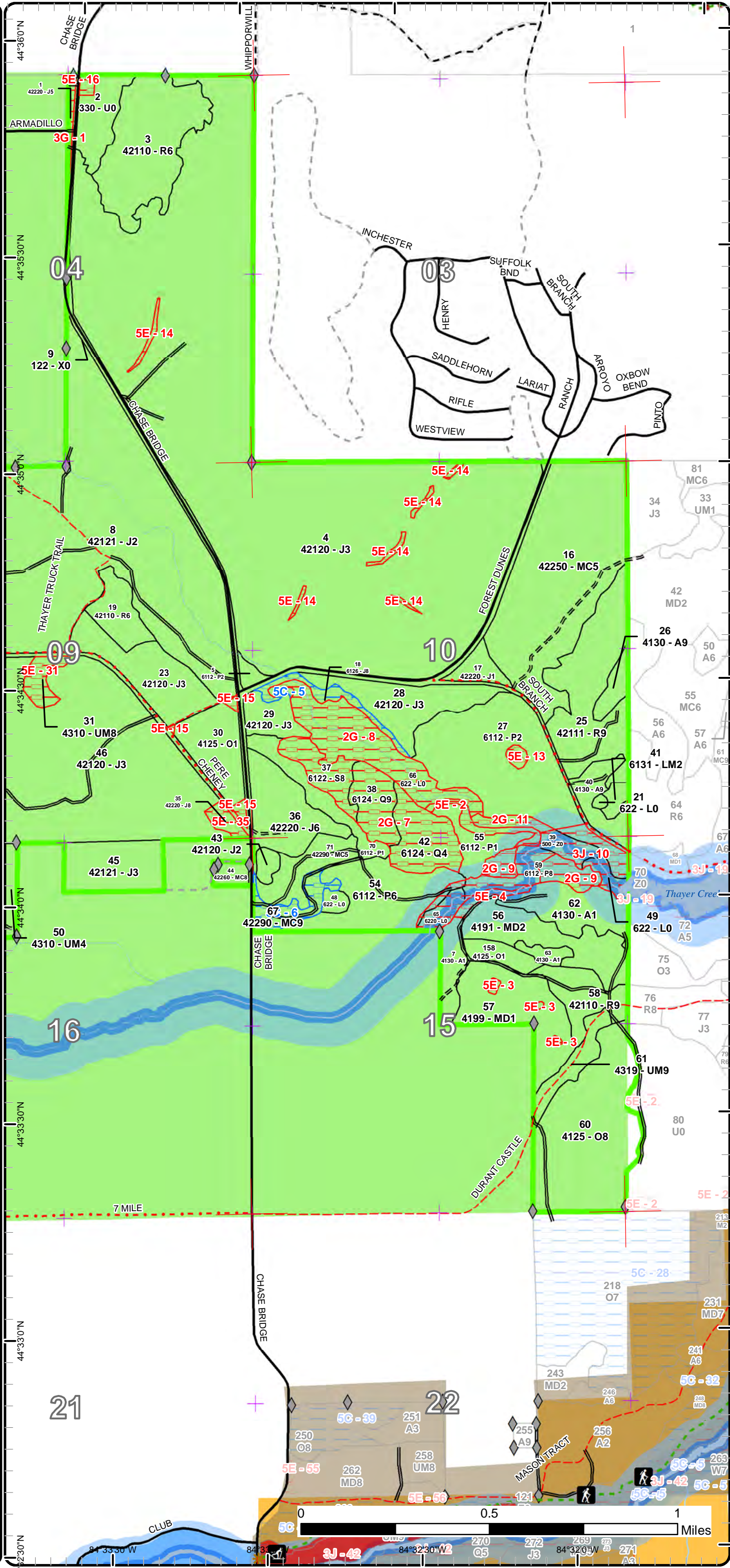
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Report 1 – Total Acres by Cover Type and Age Class

Grayling Mgt. Unit

Compartment 297 Year of Entry 2021

Scott McClarren : Examiner



Age Class

| | Non-Forest | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | 90-99 | 100-109 | 110-119 | 120-129 | 130-139 | 140-149 | 150+ | Uneven-Aged | Total |
|-----------------------------|------------|------------|------------|-----------|------------|------------|------------|------------|-----------|----------|-----------|----------|----------|-----------|----------|----------|----------|-------------|-------------|
| Aspen | 0 | 52 | 0 | 18 | 0 | 0 | 6 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87 |
| Jack Pine | 0 | 0 | 810 | 6 | 221 | 0 | 26 | 7 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1076 |
| Low-Density Trees | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| Lowland Aspen/Balsam Poplar | 0 | 96 | 3 | 35 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 154 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| Lowland Mixed Forest | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Lowland Shrub | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 |
| Lowland Spruce/Fir | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Mixed Upland Deciduous | 0 | 38 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 |
| Natural Mixed Pines | 0 | 0 | 0 | 0 | 0 | 96 | 33 | 4 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 143 |
| Northern Hardwood | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 |
| Oak | 0 | 38 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 66 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110 |
| Red Pine | 0 | 0 | 0 | 0 | 0 | 13 | 46 | 48 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 123 |
| Upland Mixed Forest | 0 | 0 | 0 | 19 | 0 | 20 | 0 | 6 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 |
| Urban | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 |
| Water | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| White Pine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 45 |
| Total | 112 | 239 | 840 | 81 | 227 | 162 | 111 | 144 | 38 | 2 | 80 | 0 | 0 | 55 | 0 | 0 | 0 | 0 | 2090 |



Report 2 – Treatment Summary

Grayling Mgt. Unit

Year of Entry: 2021

Acres of Harvest

Compartment 297

Total Compartment Acres: 2,086

Commercial Harvest - 194
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 11

Cover Type by Harvest Method

| | Clearcut | Selection | Patch Clearcut | Seed Tree | Shelterwood | Thinning | Overstory Removal | Salvage | Other | Total Acres |
|------------------------|-----------|-----------|----------------|-----------|-------------|------------|-------------------|----------|----------|-------------|
| Aspen | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| Jack Pine | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| Mixed Upland Deciduous | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 10 |
| Northern Hardwood | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 |
| Oak | 0 | 0 | 0 | 0 | 0 | 66 | 0 | 0 | 0 | 66 |
| Upland Mixed Forest | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| White Pine | 0 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 45 |
| Total | 85 | 0 | 0 | 0 | 0 | 121 | 0 | 0 | 0 | 206 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|------------|------------|-----------|----------|-----------|------------|------------|----------|-----------------|-------------|
| Current | 206 | 0 | 0 | 0 | 14 | 9 | 0 | 0 | 0 | 229 |
| Next Step | 0 | 121 | 61 | 0 | 47 | 280 | 61 | 0 | 0 | 569 |
| Total | 206 | 121 | 61 | 0 | 61 | 289 | 61 | 0 | 0 | 798 |



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

Approved Treatments:

| | | | | | | | | | | | |
|---|---------------------|------|-------------------------------------|----------------|-----|---------|---------|-------------------|--|-----------|----|
| 10 | 72297010-Cut | 44.7 | 42200 - Natural White Pine | Sawtimber Well | 123 | 51-80 | Harvest | Overstory Removal | 4191 - Mixed Upland Deciduous with Conifer | Even-Aged | No |
| <p><u>Prescription</u> Remove all merch stems accept for white pine greater than 20". Follow standard retention guidelines. Protect advanced regen. Add oak wilt restrictions.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red maple (up to 50%), oak, aspen and pine (25-35% pine).</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p> | | | | | | | | | | | |
| 26 | 72297026-Cut | 5.5 | 4130 - Aspen | Sawtimber Well | 57 | 81-110 | Harvest | Clearcut | 413 - Aspen | Even-Aged | No |
| <p><u>Prescription</u> Clearcut without retention due to size. Add drumming log spec for grouse.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen is desired. Oak, maple and pine will also be acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> Harvest with stand 40. Delayed treatment to harvest with stand 56 of Comp 298.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p> | | | | | | | | | | | |
| 33 | 72297033-Cut | 10.1 | 4199 - Other Mixed Upland Deciduous | Sawtimber Well | 99 | 111-140 | Harvest | Overstory Removal | 4310 - Pine, Oak Mix | Even-Aged | No |
| <p><u>Prescription</u> Remove all merchantable stems except leave all red pine and oak greater than 20" DBH. Protect advanced white pine regen. Add oak wilt specs. Protect HAL Site with long-term retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> White pine and oak are the desired species (60%). Maple and aspen are also expected and acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> Protect HAL site with 30 foot buffer. OFS point.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p> | | | | | | | | | | | |



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| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|--|-------|---|-------------------|-----------|----------|----------------|------------------------------|---------------------------|---------------|-------------|
| 34 72297034-Monitor | 9.3 | 4125 - Black, N. Pin Oak | Sapling Poor | 5 | 1-50 | Monitoring | Natural Regen (Intermediate) | 4122 - Oak, Pine | Even-Aged | No |
| <p><u>Prescription</u> Check to see if oak gets above browse height. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Release advanced oak regen, also expect a pine component. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p> | | | | | | | | | | |
| 40 72297040-Cut | 11.3 | 4130 - Aspen | Sawtimber Well | 64 | 111-140 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | No |
| <p><u>Prescription</u> Clearcut with retention following standard retention guidelines. Add shrub spec to protect hawthorn where possible. Add drumming log spec for grouse. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen is the desired species. Oak, pine, and maple would also be acceptable. <u>Regen:</u> <u>Other</u> Harvest with stand 26. Delayed treatment to harvest with stand 56 of Comp 298. <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p> | | | | | | | | | | |
| 46 72297046-Roth | 11.1 | 42120 - Planted Jack Pine | Sapling Well | 35 | 1-50 | Harvest | Clearcut | 42220 - Natural Jack Pine | Even-Aged | Yes |
| <p><u>Prescription</u> Clearcut block part of Rothstein Research Project. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Jack Pine with mixed associated species. <u>Regen:</u> <u>Other</u> Sale went no bid twice so treatment will be done through contract. <u>Comment:</u> Treatment approved through a variance on 8-4-16. <u>Site Condition</u> <u>Proposed Start Date:</u> 7 /20/2016</p> | | | | | | | | | | |
| 53 72297053-Cut | 46.9 | 4112 - Maple, Beech, Cherry Association | Poletimber Medium | 60 | 51-80 | Harvest | Clearcut with Retention | 4211 - Planted Red Pine | Even-Aged | No |
| <p><u>Prescription</u> Clearcut with retention, follow standard retention guidelines. <u>Specs:</u> <u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); <u>Treatments:</u> Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Thinning - Hand <u>Acceptable</u> Fully stocked red pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2020</p> | | | | | | | | | | |



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| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Habitat Cut |
|---|-------|---------------------------------|------------------|-----------|----------|----------------|-------------------|-------------------------------------|---------------|-------------|
| 60 72297060-Cut | 66.0 | 4125 - Black, N. Pin Oak | Sawtimber Medium | 99 | 81-110 | Harvest | Overstory Removal | 4319 - Mixed Upland Forest | Even-Aged | No |
| <p><u>Prescription</u> Overstory removal except leave all white pine greater than 20". Put a retention island in southwest corner where legacy trees are more concentrated. Add shrub protection spec to protect witch hazel and hawthorn where possible. Add den tree spec for large cavity snags being utilized by wildlife. Add oak wilt spec. Protect advanced regen.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> White pine is the desired species (40-50%). Oak, aspen, and maple are all expected and acceptable species for the remainder of the stand.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p> | | | | | | | | | | |
| 61 72297061-Cut | 9.9 | 4319 - Mixed Upland Forest | Sawtimber Well | 78 | 81-110 | Harvest | Clearcut | 4199 - Other Mixed Upland Deciduous | Even-Aged | No |
| <p><u>Prescription</u> Remove all merchantable stems except for white oak. Add oak wilt specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Oak is the desired species (25-35%). Aspen, maple, and pine are all expected and acceptable as well. A low to moderately stocked stand is expected.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p> | | | | | | | | | | |
| 68 72297068-Spray | 13.7 | 4119 - Mixed Northern Hardwoods | Sapling Poor | 6 | Immature | Pesticide | ERROR | 4211 - Planted Red Pine | Even-Aged | No |
| <p><u>Prescription</u> Stand failed to meet cover type objective. Site prep and plant red pine with stand 53.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Thinning - Hand</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Planted red pine meeting well stocked stand density.</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p> | | | | | | | | | | |

Total Treatment Acreage Proposed: 228.5

Report 4 – Site Conditions

Grayling Mgt. Unit
Scott McClarren : Examiner

Compartment: 297
Year of Entry: 2021

Availability for Management

| Total Acres | Acres Available | Acres Available With Condition | Acres Not Available |
|-------------|-----------------|--------------------------------|---------------------|
| 88 | 88 | 0 | 0 |
| 1074 | 1058 | 7 | 10 |
| 16 | 14 | 0 | 1 |
| 153 | 120 | 0 | 34 |
| 32 | 0 | 0 | 32 |
| 3 | 3 | 0 | 0 |
| 45 | 3 | 0 | 42 |
| 12 | 0 | 0 | 12 |
| 75 | 74 | 0 | 1 |
| 142 | 132 | 10 | 0 |
| 62 | 62 | 0 | 0 |
| 110 | 108 | 0 | 2 |
| 122 | 122 | 0 | 0 |
| 55 | 49 | 0 | 6 |
| 42 | 42 | 0 | 0 |
| 9 | 0 | 0 | 9 |
| 45 | 45 | 0 | 0 |
| 2,086 | 1,920 | 16 | 149 |
| | 92% | 1% | 7% |

Dominant Site Conditions

| | Total Acres | Acres Available | Acres Available With Condition | Acres Not Available | Dominant Site Conditions | | | | | |
|-------|-------------|-----------------|--------------------------------|---------------------|-----------------------------|----|----|----|----|----|
| | | | | | 5C | 2G | 3G | 3J | 5E | |
| 88 | 88 | 0 | 0 | 0 | Aspen | | | | | |
| 1074 | 1058 | 7 | 10 | 10 | Jack Pine | 7 | | 2 | | 8 |
| 16 | 14 | 0 | 1 | 1 | Low-Density Trees | | | | | 1 |
| 153 | 120 | 0 | 34 | 34 | Lowland Aspen/Balsam Poplar | | 10 | | 15 | 9 |
| 32 | 0 | 0 | 32 | 32 | Lowland Conifers | | 32 | | | |
| 3 | 3 | 0 | 0 | 0 | Lowland Mixed Forest | | | | | |
| 45 | 3 | 0 | 42 | 42 | Lowland Shrub | | 33 | | 9 | 0 |
| 12 | 0 | 0 | 12 | 12 | Lowland Spruce/Fir | | 12 | | | |
| 75 | 74 | 0 | 1 | 1 | Mixed Upland Deciduous | | | | | 1 |
| 142 | 132 | 10 | 0 | 0 | Natural Mixed Pines | 10 | | | | |
| 62 | 62 | 0 | 0 | 0 | Northern Hardwood | | | | | |
| 110 | 108 | 0 | 2 | 2 | Oak | | | | | 2 |
| 122 | 122 | 0 | 0 | 0 | Red Pine | | | | | |
| 55 | 49 | 0 | 6 | 6 | Upland Mixed Forest | | | | | 6 |
| 42 | 42 | 0 | 0 | 0 | Urban | | | | | |
| 9 | 0 | 0 | 9 | 9 | Water | | 4 | | 6 | 0 |
| 45 | 45 | 0 | 0 | 0 | White Pine | | | | | |
| 2,086 | 1,920 | 16 | 149 | 149 | Total Forested Acres | 16 | 91 | 2 | 29 | 27 |
| | 92% | 1% | 7% | | 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 | 3G: Other Influence zones - See comments | 2 | Unspecified | Unspecified | Unspecified | Unspecified |

Comments:

Narrow sliver of state land on W edge Chase Br. Rd. Driveways cross to adjacent pvt residences. Two chains across at widest end, narrowing down to zero over its 1/4-mile length. Impractical to harvest, given the aforementioned. Overmature JP poles have been dying out. NPO & JP saps below. Note: at N end, ~10' wide strip of the JP type south of the powerline is on USFS property. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied.

Report 4 – Site Conditions

Grayling Mgt. Unit
 Scott McClarren : Examiner

Compartment: 297
 Year of Entry: 2021

| | | | | | | | |
|-----------|-------------|--|----|-------------|-------------|-------------|-------------|
| 2 | Unavailable | 5E: Long-Term Retention | 5 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 3 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 4 | Unavailable | 5E: Long-Term Retention | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 5 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 7 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 6 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 10 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 7 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 44 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Grayling Mgt. Unit

Scott McClarren : Examiner

Compartment: 297

Year of Entry: 2021

| | | | | | | | |
|---|--------------------|--|----|-------------|-------------|-------------|-------------|
| 8 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 34 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 9 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 10 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 10 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 29 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Thayer Creek, Natural River Tributary buffer for Ausable River. | | | | | | | |
| 11 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 4 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 13 | Unavailable | 5E: Long-Term Retention | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Long-term retention, S. Branch Road Aspen (72-008-11). | | | | | | | |
| 14 | Unavailable | 5E: Long-Term Retention | 4 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Long-term retention (vortex strips), South Branch KW Block (#72-028-01) | | | | | | | |

Report 4 – Site Conditions

Grayling Mgt. Unit
Scott McClarren : Examiner

Compartment: 297
Year of Entry: 2021

| | | | | | | | |
|---|-------------|-------------------------|---|-------------|-------------|-------------|-------------|
| 15 | Unavailable | 5E: Long-Term Retention | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| <p>Comments: Long-term retention associated with Triangle Jack (#72-012-11).</p> | | | | | | | |
| 16 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| <p>Comments:</p> | | | | | | | |
| 31 | Unavailable | 5E: Long-Term Retention | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| <p>Comments: Long-term retention for stand 46.</p> | | | | | | | |
| 35 | Unavailable | 5E: Long-Term Retention | 4 | Unspecified | Unspecified | Unspecified | Unspecified |
| <p>Comments: Long-term retention for stand 46.</p> | | | | | | | |

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 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 | Non-Dedicated Natural Areas and National Natural Landmarks | This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action. |
| HCVA | Dedicated Management Areas | Such areas are dedicated by the DNR Director for specific management uses through the promulgation of rules, as governed by Part 5, Department of Natural Resources, of the NREPA (MCL 324.502(2) and 324.504). Section 38 of the Administrative Procedures Act (MCL 24.238) provides for public requests for the promulgation of rules. This is an active program, with one proposed site currently under review by the DNR. |
| HCVA | Designated Critical Habitat | Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat. |
| HCVA | Legally dedicated Natural Areas, Wilderness or Wild Areas | The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action. |
| HCVA | Natural Rivers | There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder. |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------|-------------------|------------|------------|----------|------------------|--|------------------|----|----------|---|----|------------------------|----|--------------|---|----|---|--|--------------------|---------|-------------|------|-------|--------|-------------|------------|--|--|
| 1 | 42220 - Natural Jack Pine | Poletimber Medium | 2.4 | 80 | 51-80 | N/A | See old comments-Old comments- (OPIC - FMD: Narrow sliver of state land on W edge Chase Br. Rd. Driveways cross to adjacent pvt residences. Two chains across at widest end, narrowing down to zero over its 1/4-mile length. Impractical to harvest, given the aforementioned. Overmature JP poles have been dying out. NPO & JP saps below. Note: at N end, ~10' wide strip of the JP type south of the powerline is on USFS property. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied.) | | | | | | | | | | | | | | | | | | | | | | |
| <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>73</td> <td>Pole/Log</td> <td>8</td> <td>80</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>25</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Jack Pine | 73 | Pole/Log | 8 | 80 | Black/Red (Hybrid) Oak | 25 | Pole/Sapling | 6 | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 73 | Pole/Log | 8 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 25 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 330 - Low-Density Trees | Nonstocked | 15.6 | | Immature | 4122 - Oak, Pine | Stand is non stocked due to heavy deer browse on oak regen. Some jack pine seedlings present, but not enough to meet minimum stocking. It oak recruits then stand should advance to poorly or moderately stocked. No white pine observed in leave trees (see comments below). Old comments- (OPIC - FMD: Variable stand, 3+ ages classes of JP: pockets of JP saps, poles in 40's & 60's; slow-growing, oldest poles/small saw dying out. Poor-quality NPO scattered throughout. Also patchy oak regen 2-5' tall. Averages out to med-stocking, short JP, but there are pockets of 4-5 stick J6. Cut the JP 6" DBH and up, leave all oak, RP, WP. Goal is nat regen (JP & oak), with less than medium stocking acceptable. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied. Averaged current ages with previous YO'E's.) | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 42110 - Planted Red Pine | Poletimber Well | 47.9 | 60 | 111-140 | N/A | Pretty homogenous red pine plantation. Some areas with a few jack pine poles mixed in. Small immature jack pine pocket in north. A few of the take rows get a little narrowOld comments- Stand treatment was mixed up when transferred from IFMAP to MIFI. Stand was thinned under 72-037-11-01 Betty and the Pines. OPIC - FMD: RP plantation, most stems moved into the pole class, a minority just into the saw class, sub-merch stems likely to weed out. Self-pruning to 20-25% crown depth. Dom- & co-dom stems 7-9" DBH and 4-5 sticks tall. Growth in last ten years slow, ~ 1mm/yr. Ready for 3rd-row thin, decent row integrity. Take all JP in adjacent rows also at same time (not much alive). Cut adjacent stand 2 at same time. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied. | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>98</td> <td>Pole</td> <td>7</td> <td>60</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Pine | 98 | Pole | 7 | 60 | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 98 | Pole | 7 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 42120 - Planted Jack Pine | Sapling Well | 498.3 | 14 | Immature | N/A | See old comments-Old comments- (OPIC - FMD: Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied. Cut in 2003 (720280101), with J6 vortices left. Trenched and planted to 2-0 JP in May 2005 (FTP W72-492), opposing wave pattern. JP 2-4' tall, occasional skips and gaps in rows, but overall good survivorship & stocking, no pocket mortality except to SW on low ground where there is heavy deciduous regen competition. Steep, short hills not planted. Oak stump sprouts throughout, cherry brush, scattered small JP poles. Used previous SI. See locked comments) | | | | | | | | | | | | | | | | | | | | | | |
| <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 Pin Oak</td> <td>13</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>85</td> <td>Sapling</td> <td>2</td> <td>14</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Northern Pin Oak | 13 | Sapling | 2 | | Jack Pine | 85 | Sapling | 2 | 14 | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | |
| Northern Pin Oak | 13 | Sapling | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 85 | Sapling | 2 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 6112 - Lowland Aspen | Sapling Medium | 2.5 | 16 | Immature | N/A | See old comments-Old comments- (OPIC - FMD: Cut in 2003 (720280101), part of larger KW cutting block. On low ground tying into drainage to southeast. TA & cherry regen with lowland brush. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied. | | | | | | | | | | | | | | | | | | | | | | |
| <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>75</td> <td>Sapling</td> <td>2</td> <td>16</td> </tr> <tr> <td>Black Cherry</td> <td>20</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Quaking Aspen | 75 | Sapling | 2 | 16 | Black Cherry | 20 | Sapling | 2 | | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Alder | Medium | 5 - 10 feet | Tall Shrub | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 75 | Sapling | 2 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | 20 | Sapling | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alder | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|------------|------------|----------|--------------|---|------------------------|----|---------------|----|---|------------|----|---------------|----|-----|----------|----|---------------|----|--|---|--|--------------------|---------|-------------|------|------------|--------|----------|---------|-----------|------|----------|---------|----------------|-----|--------------|---------|------------------------|-----|----------|---------|-----------|-----|----------|---------|-------------|-----|-------------|------------|--|
| 7 | 4130 - Aspen | Sapling Poor | 9.6 | 6 | Immature | N/A | Dense A3 following harvest with a minor oak component. Old comments- (OPIC - FMD: Stand harvested under contract 72-050-11-01. Old Comment: TA on shallow gradient down to Thayer Creek floodplain. BF large sap/small pole component increases as get closer to the creek. Hypoxylon present; top die-back occurring. Cut to regenerate the aspen. Apply dead & down creation spec. Focus retention along Thayer Creek (Natural River - HCVA - stand condition code 8), note set-back & EMR potential. Few SCWP -- leave; WP is not seedling in aggressively.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>6</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Quaking Aspen | 90 | Sapling | 1 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 90 | Sapling | 1 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 42121 - Planted Jack Pine, Mixed Deciduous | Sapling Medium | 250.6 | 14 | Immature | N/A | Intermittent stream was planted through. Looks like its dry most of the year, but some alder found along edges of it (change in veg slightly visible from IR imagery). Aspen and maple in the south east corner of stand and along the west edge. Old comments- (OPIC - FMD: Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied. Cut 2003 (720290101), planted to JP in opposing wave pattern in May '05 (FTP W72-493). JP 2-4' tall, good overall stocking and survivorship, with occasional skips/gaps in rows. Pocket mortality is limited to where there was heavy deciduous regen competition. Short, steep hills unplanted. Oak stump sprouts throughout. Lowest ground (valley to SE) dominated by cherry & aspen. West edge near stand 10 has RM & aspen sprouts. Hill climb erosion near S1/4 corner of sec 4. Used previous SI. See locked comments) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>20</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>70</td> <td>Sapling</td> <td>2</td> <td>14</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Black/Red (Hybrid) Oak | 20 | Sapling | 2 | | Jack Pine | 70 | Sapling | 2 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 20 | Sapling | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 70 | Sapling | 2 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 122 - Road/Parking Lot | Nonstocked | 41.9 | | | No | OPIC - FMD: County road corridors (Chase Bridge, Pere Cheney, Ranch and South Branch Roads). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 42200 - Natural White Pine | Sawtimber Well | 44.7 | 123 | 51-80 | N/A | White pine regen is medium coverage in most places. Red maple throughout with pockets of aspen. Oak is present, but heavily browsed. BA is higher than prescribed due to pine component and is much higher on east side of stand where there was mostly white pine in parent stand. Legacy pines scattered through stand. Old comments- (Post-harvest update: Was shelterwood cut in 2015 (72-015-12-01) 2"+ except RP, WP & green-marked oak (total residual 30 sq. ft.). Note that the stand canopy updates were just estimates based on the treatment report. Old comments: OPIC - FMD: Decent-quality site for oak (PARVHa/ParVVb), yet there is upper-crown dieback/thinning occurring in the nice-form dom & co-dom oak. Suppressed oak poles are dropping out. Occasional BTA & RM saw, but mostly RM in pole clumps. Super-canopy WP & RP, W1-W2 underneath. Manage for a mixed oak/pine type. Leave all WP & RP, cut all RM & aspen, and mark-to-leave oak up to 30 BA total residual (including pine). Don't mark oak to leave within/adjacent to aspen pockets. Small wildfire this spring underburned along SE edge. Borders large KW block. Age matched previous, but updated SI (previous 48).) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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 Oak</td> <td>16</td> <td>Log/Pole/XLog</td> <td>13</td> <td></td> </tr> <tr> <td>White Pine</td> <td>64</td> <td>Log/Pole/XLog</td> <td>13</td> <td>123</td> </tr> <tr> <td>Red Pine</td> <td>15</td> <td>Log/Pole/XLog</td> <td>13</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | White Oak | 16 | Log/Pole/XLog | 13 | | White Pine | 64 | Log/Pole/XLog | 13 | 123 | Red Pine | 15 | Log/Pole/XLog | 13 | | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | White Pine | Medium | Variable | Sapling | Red Maple | High | Variable | Sapling | Bigtooth Aspen | Low | 10 - 20 feet | Sapling | Black/Red (Hybrid) Oak | Low | < 5 feet | Sapling | White Oak | Low | < 5 feet | Sapling | Witch Hazel | Low | 5 - 10 feet | Tall Shrub | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | 16 | Log/Pole/XLog | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 64 | Log/Pole/XLog | 13 | 123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 15 | Log/Pole/XLog | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Witch Hazel | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------------|------------|------------|----------|--------------|---|----|--------------|----|----|------------------------|----|--------------|---|----|--|----|--------------------|---------|-------------|---|------------------------|--------------------|----------|-------------|--|------------------------|-----|-------------|------------|-----------|-----|----------|---------|---|--------|----------|---------|--|--|--|--|
| 16 | 42250 - Pine, Oak | Poletimber Medium | 95.6 | 40 | 1-50 | N/A | Jack pine slit 50/50 between pole and sap size timber. Stand age was averaged. Pole size jack pine around 48 years old, and saps at 28 years old. 2 track that splits stand is impassable with conventional vehicle. Oak component gets heavier in north half. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>65</td> <td>Pole/Sapling</td> <td>5</td> <td>40</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>30</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Jack Pine | 65 | Pole/Sapling | 5 | 40 | Black/Red (Hybrid) Oak | 30 | Sapling/Pole | 4 | | <p>Old comments- (OPIC - FMD: Cut in '91 (720189101), all merch stems. JP saps and oak sprouts along with residual from the cut (1-2 stick JP, oak and occasional RP). U/G inclusions with cherry. Averaged to J2 by including the oak saps. Nice mix of JP & healthy oak regen. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied. Used previous SI)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 65 | Pole/Sapling | 5 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 30 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 42220 - Natural Jack Pine | Sapling Poor | 6.2 | 28 | Immature | N/A | See old comments-Old comments- (OPIC - FMD: Cut in '91 (720189101), all merch stems. JP saps and oak sprouts scattered across U/G. Averaged to J1 by including all spp saps. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied. Used stand 16's SI) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>91</td> <td>Sapling</td> <td>3</td> <td>28</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Jack Pine | 91 | Sapling | 3 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 91 | Sapling | 3 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 6126 - Lowland Jack Pine | Sawtimber Medium | 6.6 | 65 | 81-110 | N/A | Southeast side of stand dominated by balsam fir. Changed age from 58 to 65. Aspen is all in the northwest but, still dominated by jack pine..Old comments- (OPIC - FMD: Narrow strip of JP & TA on mostly lower ground, left as buffer along drainage when adjacent uplands were cut. Most of the older JP is in the snag class; the TA is breaking up. Some L in understory, blue flag iris. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied. See locked comments.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>74</td> <td>Log/Pole</td> <td>10</td> <td>65</td> </tr> <tr> <td>Balsam Fir</td> <td>12</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Jack Pine | 74 | Log/Pole | 10 | 65 | Balsam Fir | 12 | Pole | 7 | | Quaking Aspen | 10 | Pole/Log | 9 | | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Black/Red (Hybrid) Oak | Low | Variable | Sapling | Jack Pine | Low | Variable | Sapling | Black Cherry | Medium | Variable | Sapling | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 74 | Log/Pole | 10 | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 12 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 10 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 42110 - Planted Red Pine | Poletimber Well | 12.7 | 44 | 111-140 | N/A | Hilly red pine plantation. Pockets where jack pine dominates and suppressed red pine saps in understory. Opening in the north has very little ba. Red pine on south side has much higher ba. Ranges from 80-180 in spots. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>30</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>68</td> <td>Pole/Log/Sap</td> <td>7</td> <td>44</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | Jack Pine | 30 | Pole/Log | 8 | | Red Pine | 68 | Pole/Log/Sap | 7 | 44 | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Black/Red (Hybrid) Oak | Low | < 5 feet | Sapling | <p>Old comments- (OPIC - FMD: Marginal RP plantation, only makes full stocking level with JP & NPO BA contributions. JP mostly the same size & age class as the RP, filling in where the RP didn't take, except for ~10 BA of overstory overmature JP that was planted around. NPO & overmature JP both have top dieback. Surrounded on two sides by young KW plantation. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied. Used previous SI.)</p> | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 30 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 68 | Pole/Log/Sap | 7 | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 4191 - Mixed Upland Deciduous with Conifer | Sapling Poor | 3.7 | 5 | 1-50 | N/A | Mostly maple and oak regenerated under the red pine. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 20 | Log | 16 | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 35 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 36 | Sapling | 1 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Witch Hazel | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 622 - Lowland Shrub | Nonstocked | 0.8 | | | No | OPIC - FMD: Small L type rimmed by stand 41. Salix, spirea, with small lens of open water/grasses. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-------------------|------------|------------|----------|--------------|--|------------------------|----|---------------|----|----|------------------------|----|--------------|----|----|---|----|--------------------|---------|-------------|------|------------|--------|----------|---------|-------------|-------|-------------|------------|------------|--------|----------|---------|--|--|
| 22 | 4125 - Black, N. Pin Oak | Poletimber Medium | 6.4 | 38 | 51-80 | N/A | Some residuals left after last harvest. See old comments.Old comments- (OPIC - FMD: Cut under same USFS sale as adjacent stand 46, but not planted. Set age to sale date (1981) and used stand 33's oak SI (on same soil series). Resid and regen following cut include short, limby RP saw scattered over large sap/small pole oak, JP & RM. Oak in form of stump sprouts but also single stems -- not great genetics, but young & healthy -- nice. Pocket RP saw to S end.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>10</td> <td>Log</td> <td>15</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>15</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>70</td> <td>Pole</td> <td>7</td> <td>38</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Pine | 10 | Log | 15 | | Jack Pine | 15 | Pole/Log | 8 | | Black/Red (Hybrid) Oak | 70 | Pole | 7 | 38 | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 10 | Log | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 15 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 70 | Pole | 7 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 42120 - Planted Jack Pine | Sapling Well | 27.9 | 35 | 1-50 | N/A | Very close to being pole size (next yoe probably).Old comments- (OPIC - FMD: JP planted in opposing wave pattern when still under USFS ownership. Most stems still not merch, 2-5" DBH, oak stump sprouts. Along NE edge: inclusion of naturally-regenerated JP on short, steep sideslope. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied. Old notes indicate planted in 1984. Used previous SI.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>7</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>93</td> <td>Sapling/Pole</td> <td>4</td> <td>35</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Black/Red (Hybrid) Oak | 7 | Sapling/Pole | 4 | | Jack Pine | 93 | Sapling/Pole | 4 | 35 | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 7 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 93 | Sapling/Pole | 4 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 42111 - Planted Red Pine, Mixed Deciduous | Sawtimber Well | 46.0 | 55 | 111-140 | N/A | Rows are very windy and have never been thinned. See old comments- Old comments- (OPIC - FMD: RP plantation with highly variable stocking due to how it was planted around varying densities of residual NPO, RP, RM, aspen & JP. Some JP appears to have been interplanted also, but has largely died out. Pockets of TA poles. Terrible health/quality NPO. Stand has areas of decent RP stocking, primarily along the west side and in the SW, but those areas grade into suppressed/largely failed areas that had heavy deciduous competition. No planting records; was USFS property. Cores indicate that the north part of the stand was planted ~5 years before the south part. Set stand age to older RP component. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>75</td> <td>Log/Pole/XLog</td> <td>10</td> <td>55</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>13</td> <td>Log</td> <td>15</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Pine | 75 | Log/Pole/XLog | 10 | 55 | Black/Red (Hybrid) Oak | 13 | Log | 15 | | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Trace</td> <td>>20 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Red Maple | Medium | >20 feet | Sapling | Balsam Fir | Trace | Variable | Sapling | White Pine | Trace | >20 feet | Sapling | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 75 | Log/Pole/XLog | 10 | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 13 | Log | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 4130 - Aspen | Sawtimber Well | 5.5 | 57 | 81-110 | N/A | A lot of the oak is dying off. Quite a bit of maple in understory. Old comments- (OPIC - FMD: Aspen with RM poles and regen, scattered NPO and RP (more at margins). Bulk of type is within adjacent compt 298 stand 106. Manage along with that stand during compt 298's next YOE (2015). Used stand 106's SI. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>88</td> <td>Log/Pole</td> <td>10</td> <td>57</td> </tr> <tr> <td>Red Maple</td> <td>7</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Bigtooth Aspen | 88 | Log/Pole | 10 | 57 | Red Maple | 7 | Pole/Log | 8 | | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Trace</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>>20 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | White Pine | Trace | Variable | Sapling | Witch Hazel | Trace | 5 - 10 feet | Tall Shrub | Red Maple | Medium | >20 feet | Sapling | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 88 | Log/Pole | 10 | 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 7 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Witch Hazel | Trace | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | |
|------------------------|---------------------------|----------------|-------------------|------------|------------|---------------------------|---|----------------|--------------------|-------------|
| 27 | 6112 - Lowland Aspen | Sapling Medium | 68.1 | 6 | Immature | N/A | Stand is moderately stocked. Skid trails, landing, and west side of stand are pretty open. White and red pine residuals add some nice structure. Old comments- (OPIC - FMD: TA moving into the saw class, on ground close to the water table. Lowest ground near the Thayer Creek floodplain experiences a seasonally high water table. Pockets of dense balsam fir. A strip of fading SC WP & RP toward the SE, seeding in very little. Rich herbaceous layer, sensitive and cinnamon? fern, Dirca palustris. Woodcock. Individual stem mortality as the suppressed aspen drops out, and top dieback in the dom- and co-dominant aspen stems. Final harvest to regenerate the aspen. Cut the balsam fir 2" DBH & up. Leave the WP & RP, split the 3-10% retention between the drainage side and the roadside. Apply dead & down creation spec. SI is an average between current and previous. Note Natural Rivers set-back for Thayer Creek & EMR potential. SE within Natural River zone, so HCVA. Harvest update: was cut in June 2013 (72-008-11-01), 2" DBH & up except RP, WP & oak. Stated combined cruised residual of 5 BA.) | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | Sub-Canopy Species | | Density | Avg. Height | Size |
| Quaking Aspen | | 87 | Sapling | 1 | 6 | Alder | | Low | 5 - 10 feet | Tall Shrub |
| 28 | 42120 - Planted Jack Pine | Sapling Well | 25.3 | 14 | Immature | N/A | See old comments- Old comments- (OPIC - FMD: Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied. Cut in 2003 (720280101). Trenched and planted to 2-0 JP in May 2005 (FTP W72-492), opposing wave pattern. JP 2-4' tall, occasional skips and gaps in rows. Areas with dense cherry and oak sprout regen, especially on lower ground grading down toward the drainage. Two-acre inclusion of U/G at the far west end, cut but not planted. Used stand 4's SI. See locked comments.) | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | | | |
| Jack Pine | | 86 | Sapling | 2 | 14 | | | | | |
| Black/Red (Hybrid) Oak | | 10 | Sapling | 2 | | | | | | |
| 29 | 42120 - Planted Jack Pine | Sapling Well | 9.6 | 14 | Immature | N/A | Cherry is heavier in north half; see old comments. Old comments- (OPIC - FMD: Cut in 2002 (720300101), planted to JP in May 2005 (FTP C72-500), but not in opposing wave pattern. JP 2-5' tall, good overall stocking. Cherry brush. Half-acre inclusion of G with brushy JP at SW corner. Used previous SI. See locked comments.) | | | |
| Canopy Species | | % Cover | Size Class | DBH | Age | | | | | |
| Jack Pine | | 90 | Sapling | 3 | 14 | | | | | |
| Black Cherry | | 10 | Sapling | 3 | | | | | | |



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

30 4125 - Black, N. Pin Oak Sapling Poor 21.4 6 Immature N/A

| Canopy Species | % Cover | Size Class | DBH | Age |
|------------------------|---------|------------|-----|-----|
| Jack Pine | 7 | Sapling | 1 | |
| Black/Red (Hybrid) Oak | 88 | Sapling | 1 | 6 |

Oak and jack pine seem to be filling in. Heavy browse, but a lot of oak is getting over 6 feet now. Most of the jack pine regen is 1-3 feet now. Most of residuals have died. Some sub merch oak and jack pine protected during harvest are getting pole sized. Some gaps with lower density trees, but overall the stand looks poor to moderately stocked now. I anticipate more of the oak getting out of browse height by next YOY. Jack pine should take up a more significant portion of the canopy next YOY as well. Stand looks like O1 now, but should be O2 in 10 years.

Old comments- (OPIC - FMD: Stand harvested under contract 72-012-11-01. Less than 5 BA of oak and pine were left as residual. Old Comment: Overmature JP stand that has been working its way onto the ground. Terrible health NPO doing the same. Pockets of nice oak saps, some JP saps, but not O2 overall. Stand occupies triangle of higher ground bounded by Pere Cheney, Chase Br. Rds and a powerline. Some vigorous small oak poles. Salvage cut the merch JP, and oak greater than 8" DBH. Leave any RP/WP and delineate three 0.2-acre retention islands in each corner. The regen goal is a mix of oak & pine. If the follow-up regen survey finds that the combination of oak & pine regen is inadequate, then plant JP. Old notes indicate that a sale was awarded in 1981 but no cut was accomplished (USFS property at the time). Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied. Used previous SI.)

31 4310 - Pine, Oak Mix Sawtimber Medium 6.1 63 81-110 N/A

| Canopy Species | % Cover | Size Class | DBH | Age |
|------------------------|---------|------------|-----|-----|
| Red Pine | 10 | Pole/Log | 9 | |
| Black/Red (Hybrid) Oak | 40 | Log | 14 | |
| Jack Pine | 45 | Pole/Log | 8 | 63 |

| Sub-Canopy Species | Density | Avg. Height | Size |
|------------------------|---------|-------------|---------|
| White Oak | Medium | Variable | Sapling |
| Black/Red (Hybrid) Oak | Low | Variable | Sapling |
| White Pine | Low | Variable | Sapling |
| Red Pine | Low | Variable | Sapling |

Stand is designated as long-term retention. Jack pine dominates canopy now but, will likely convert to oak pine in the next 10-20 years. Significant mortality occurring with jack pine and larger oaks. Good recruitment of understory in mortality pockets. Changed jack pine age from 73 to 63. Old comments- (OPIC - FMD: Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied. JP planted around scattered older resid JP, RP & NPO. Some younger oak poles. O1-O2 in large saps, scattered RP regen. RP concentrated along Pere Cheney Rd. Used previous SI. This stand and stand 35 were left for visual by the USFS when the rest of the type (stand 46) was cut and planted. Leave these two stands to maintain the ecological and visual values associated with in-stand retention.)

32 4139 - Aspen, Mixed Deciduous Sapling Well 19.3 5 Immature N/A

| Canopy Species | % Cover | Size Class | DBH | Age |
|------------------------|---------|------------|-----|-----|
| Bigtooth Aspen | 50 | Sapling | 1 | 5 |
| Red Maple | 35 | Sapling | 1 | |
| Black/Red (Hybrid) Oak | 12 | Sapling | 1 | |

| Sub-Canopy Species | Density | Avg. Height | Size |
|--------------------|---------|-------------|------------|
| Witch Hazel | Medium | 5 - 10 feet | Tall Shrub |

Nice A3 stand. Roughly 3 acres towards the middle of stand is heavily browsed oak and 25-50% canopy cover. Lots of witch hazel sprouts as well. Old comments- (A-RM-O stand was final harvested 2"+ DBH by August 2014 (#15-12). Passed to aspen M.O. at time of closing inspection. There is RM-O regen present, but when making stand updates from the treatment report, did not attempt to split out the percentages in those species; just threw it all in the aspen, to be updated at re-inventory.)



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------------|------------------|------------|------------|----------|--------------|--|------------------------|----|----------|----|----|--|----|--------------------|---------|-------------|---|-------|--------------------|-------------|-------------|--|------------------------|--------------------|-------------|--------------|--|----------|--------------------|----------|-------------|------------|------------|--------------|----------|------------------------|-----------|----------|----------|---------|-------------|-----|-------------|
| 33 | 4199 - Other Mixed Upland Deciduous | Sawtimber Well | 10.1 | 99 | 111-140 | N/A | Decent quality red and white oak with a good sub-canopy of white pine in medium to high density throughout. X-log size oak and red pine scattered through stand. Stand is located on an east facing slope. Old comments- (OPIC - FMD: Wolfy RO & WO (many WL dream homes) with smaller oak saw, suppressed oak poles, a scattering of BTA, some SCRP and planted RP (old mostly-barren plow furrows to S), RM pole clumps. Grades into adjacent A & R types to E. Leave until next YOE to balance adjacent harvests proposed this YOE (stands 10, 20, 32 & 34). Used previous SI.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 29 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | 35 | Log/Pole/XLog | 11 | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 12 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Oak | 22 | Log/Pole/XLog | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Witch Hazel | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 4125 - Black, N. Pin Oak | Sapling Poor | 9.4 | 5 | 1-50 | N/A | Poorly stocked oak due to heavy browse. If some more of the oak recruits, stand could get to O2 next yoe. White oak regen is decent, but most of it is 1-2' tall and can't be counted as acceptable regen yet. Old comments- (Overstory removal harvest was completed August 2014 (#15-12), cutting all stems except green-marked (RP & JP were marked to leave in clumps to meet 5% crown closure for retention).) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 78 | Sapling | 1 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 42220 - Natural Jack Pine | Sawtimber Medium | 3.5 | 96 | 81-110 | N/A | Quite a bit of jack pine mortality starting. Would anticipate stand converting to more oak/red pine next yoe. Old comments- (OPIC - FMD: Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied. Mixed JP, RP, NPO stand. Oldest JP declining, scattered RP of all size classes. Healthy lg sap/small pole oak. JP, RP & NPO saps combined constitute the "O2". Used previous SI. Gravel pad with electrical boxes off Pere Cheney Rd. This stand and stand 31 were left for visual by the USFS when the rest of the type (stand 46) was cut and planted. Leave these two stands to maintain the ecological and visual values associated with in-stand retention.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 60 | Log/Pole | 10 | 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 25 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 15 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Trace | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 42220 - Natural Jack Pine | Poletimber Well | 25.7 | 54 | 1-50 | N/A | Stand is similar to stand 16. Residuals excluded from harvest are pole size with younger jack pine and oak saplings filling in between. Old comments- (OPIC - FMD: Cut in '93 (720129101), merch stems. Roughly 20 BA in JP pole resid from cut (scattered and in pockets) over good JP and oak natural regen. Also scattered RP and small NPO resid from cut. Inclusion: 2 acres of uncut JP left along Chase Br. Rd. Updated year of origin, but used prev SI since current was not representative. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>20</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>77</td> <td>Pole/Sapling</td> <td>6</td> <td>54</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Black/Red (Hybrid) Oak | 20 | Pole | 7 | | Jack Pine | 77 | Pole/Sapling | 6 | 54 | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Trace</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Black/Red (Hybrid) Oak | Medium | 5 - 10 feet | Sapling | White Pine | Trace | 5 - 10 feet | Sapling | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 20 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 77 | Pole/Sapling | 6 | 54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Trace | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | 6122 - Black Spruce | Sawtimber Medium | 11.7 | 74 | 51-80 | N/A | Numerous openings filled with alder through stand. Regen is very sparse through stand. East side of stand is denser canopy with more poles. OPIC - FMD: Black spruce swamp over tag alder on primarily sphagnum ground cover. BS poles, large saps, small saw, & occasional tamarack small saw, listed in order of prevalence. Stand on slightly "drier" low ground, but not as well-developed as adjacent stand 38. Numerous tag alder openings. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | 90 | Log/Pole | 10 | 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alder | High | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tamarack | Trace | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | |
|------------------------|--|-----------------|-------|-----------|------------------------|--------------|---|--------------|------------|
| 38 | 6124 - Lowland Spruce-Fir | Sawtimber Well | 13.5 | 48 | 51-80 | N/A | Was PU 2 of Thayer Creek Mix, but was not cut due to inoperable conditions (too wet). pocket of cedar dominates canopy in middle of stand. Old Comments- (OPIC - FMD: Tamarack, Black spruce, balsam fir & NWC over F2/S2 on sphagnum mat. NWC short, not saw-quality. Poor-quality tamarack small saw, BS & BF poles & saps. Tam saw older than the BS, one cored 105+. Cut all stems 5" DBH and up, except leave all northern white cedar. Note EMR potential.) | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Tamarack | 25 | Log | 12 | 97 | Tamarack | Trace | | Variable | Sapling |
| Balsam Fir | 33 | Pole/Sapling | 6 | 48 | Black Spruce | Trace | | Variable | Sapling |
| Northern White Cedar | 15 | Log/Pole | 11 | | Alder | Medium | | 5 - 10 feet | Tall Shrub |
| Black Spruce | 25 | Pole | 7 | | | | | | |
| 39 | 500 - Water | Nonstocked | 9.3 | | | No | OPIC - FMD: Beaver-flooded portion of Thayer Creek drainage. Lodge. Open water, snags, marsh grass. Beaver dam at E end. HCVA - Natural River. | | |
| 40 | 4130 - Aspen | Sawtimber Well | 11.3 | 64 | 111-140 | N/A | Aspen is getting over mature and seeing mortality. Nice white pine in the understory towards the west side. Some x-log size red pine present as well. Old comments- (OPIC - FMD: TA & RM on high, grading to low, ground. On low ground circa stands 21 & 41, there is less aspen and more JP, paper birch, Black spruce and WP. On the higher ground, there is oak and RP mixed in. Open/sparse areas common between clones. Decline beginning to occur, but hold this stand for 4 years while the proposed aspen cut across the road (stand 27) is regenerating, then cut with adjacent aspen types in Compt 298 (stands 106 & 107), 2015 YOE. Used previous SI.) | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Bigtooth Aspen | 85 | Log/Pole | 10 | 64 | White Pine | Low | | 10 - 20 feet | Sapling |
| | | | | | Black/Red (Hybrid) Oak | Low | | Variable | Sapling |
| | | | | | Red Pine | Trace | | 5 - 10 feet | Sapling |
| | | | | | Red Maple | Low | | >20 feet | Sapling |
| | | | | | Hawthorn (spp.) | Low | | 5 - 10 feet | Tall Shrub |
| | | | | | Alder | Low | | 5 - 10 feet | Tall Shrub |
| | | | | | Balsam Fir | Low | >20 feet | Sapling | |
| 41 | 6131 - Hemlock, White Pine, Maple, Birch | Sapling Medium | 3.0 | 28 | Immature | N/A | Variable mix of species with some open alder in places. Old comments- (OPIC - FMD: Cut in '91 (720189101). On low and lower ground. Mounds have RM, PB, TA, WP, JP & NPO saps. Lowest ground has L, blue flag iris, standing water. Crescent of A3 along SW edge. Tough to pin coverytype on; E the closest. Used stand 40's SI.) | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| White Pine | 25 | Sapling/Pole | 4 | | Alder | Medium | | 5 - 10 feet | Tall Shrub |
| Balsam Fir | 20 | Sapling/Pole | 4 | | Hawthorn (spp.) | Trace | | 5 - 10 feet | Tall Shrub |
| Black/Red (Hybrid) Oak | 13 | Sapling | 3 | | | | | | |
| 42 | 6124 - Lowland Spruce-Fir | Poletimber Poor | 18.6 | 40 | 1-50 | N/A | Pole size balsam fir dominates canopy, but stand has balsam poplar and tamarack that are getting saw sized. Poplar is mostly along the south side of stand and has higher ba.. Old comments- (OPIC - FMD: Tag alder jungle on saturated soils, sphagnum moss, ferns, with low-density small pole BF, BS, Tam, TA & Bam filling in. "Drier" to N, but still spongy ground, blue flag iris.) | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Balsam Poplar | 22 | Pole/Log | 8 | | Alder | High | | 5 - 10 feet | Tall Shrub |
| Tamarack | 25 | Log | 10 | | | | | | |
| Balsam Fir | 35 | Pole/Sapling | 6 | 40 | | | | | |
| Black Spruce | 15 | Pole | 7 | | | | | | |
| 43 | 42120 - Planted Jack Pine | Sapling Medium | 3.1 | 14 | Immature | N/A | See old comments- Old comments- (OPIC - FMD: Cut in '02 (720300101) merch stems except green-marked trees. Planted to JP (FTP C72-500) in May '05. In addition to the planted JP, there are oak stump sprouts. Rest of harvest area unplanted and split off as stand 71. Used previous SI. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied.) | | |
| Canopy Species | % Cover | Size Class | DBH | Age | Sub-Canopy Species | Density | | Avg. Height | Size |
| Black/Red (Hybrid) Oak | 7 | Sapling/Pole | 3 | | | | | | |
| Jack Pine | 86 | Sapling | 2 | 14 | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|------------------|---------|------------|----------|--------------|--|--------------|----|--------------|----|----|------------------------|----|--------------|----|--|--------------|----|---------|---|----|---|----|--------------------|---------|-------------|------|------------|--------|----------|---------|-----------|-----|--------------|---------|------------------------|-----|----------|---------|------------|-------|----------|
| 44 | 42260 - Natural Pine, Mixed Deciduous | Sawtimber Medium | 3.8 | 61 | 81-110 | N/A | Stand disposal approved through 2021 YOE compartment review. White pine heavier towards east. Oak is poor quality and dying. Old comments- (OPIC - FMD: Small parcel in platted subdivision, acquired through 1989 land exchange. Previous notes indicate that if it will be held for exchanging in the future, do not harvest. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 57 | Log/Pole | 10 | 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 25 | Log/XLog | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 10 | Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | Low | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Trace | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 42121 - Planted Jack Pine, Mixed Deciduous | Sapling Well | 22.6 | 14 | Immature | N/A | Most of the jack pine is 10-20' tall. Some cherry dominated parts of stand in the mid/south portion of stand. Oak saps spread pretty evenly through stand. Mature oak and pine residuals scattered through stand are providing structural diversity and mast. Old comments- (OPIC - FMD: Cut in 2002 (720300101) merch stems minus green-marked trees. Planted to JP in May 2005 (FTP C72-500), not in opposing wave pattern. Overall good survivorship/stocking. Used previous SI. Note that tree line along the west side is not the property line; cleared area extends west onto private. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>10</td> <td>Sapling/Pole</td> <td>3</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>15</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>75</td> <td>Sapling</td> <td>2</td> <td>14</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Black Cherry | 10 | Sapling/Pole | 3 | | Black/Red (Hybrid) Oak | 15 | Sapling | 2 | | Jack Pine | 75 | Sapling | 2 | 14 | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | 10 | Sapling/Pole | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 15 | Sapling | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 75 | Sapling | 2 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | 42120 - Planted Jack Pine | Sapling Well | 192.7 | 35 | 1-50 | N/A | A few stems getting into 6" class, but most are around 4". Old comments- (OPIC - FMD: JP planted in opposing wave pattern, 2-5" DBH, most stems still unmerchantable. Used previous SI. Old notes indicate planted in 1984. Cut & planted when still USFS property. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 91 | Sapling/Pole | 4 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 7 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | 622 - Lowland Shrub | Nonstocked | 2.5 | | | No | A few white pine, aspen, maple, spruce and fir scattered through stand. Old comment- (OPIC - FMD: Tag alder, salix & spirea on hummocky low ground, saturated soils. Blue flag iris. Rimmed by black spruce.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | 622 - Lowland Shrub | Nonstocked | 3.9 | | | No | OPIC - FMD: Marsh downstream of stand 39's beaver dam. Emergent grasses, salix, alnus, spirea, snags, blue flag iris. Thayer Creek, HCVA - Natural River. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 4310 - Pine, Oak Mix | Poletimber Poor | 20.2 | 49 | 1-50 | N/A | Low stocked stand with sub merch and merch jack pine and oak through most. Quaking aspen in south east. Open cherry brush in valley towards the south. Grassy understory. Old comments- (OPIC - FMD: Cut in '92 (720549101) merch stems. Scattered JP poles and RP resid from cut, pocket TA on E side. Patchy JP, oak and TA saps, less than poor stocking overall. Updated age, but used previous SI (current on open-grown JP not representative). Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 48 | Pole | 7 | 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 30 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | 10 | Sapling | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 10 | Pole/Sapling | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------------|------------|------------|----------|--------------|--|---------------|----|--------------|----|----|--|----|--------------------|---------|-------------|--|-------|--------------------|-------------|-------------|------------|------------|----------|----------|---------|----------|--------|-------------|------------|------------------------|---|-------------|--------------------|---------|-------------|------|------------------------|-----|----------|---------|
| 51 | 42290 - Natural Mixed Pine | Sawtimber Medium | 18.0 | 50 | 81-110 | N/A | Collected some quantitative data with stand due to the high variability throughout stand. See old comments- Old comments- (OPIC - FMD: Mixed pine/oak/aspens stand. Residual and regen from 1984 USFS cut: About equal parts short, limby WP, RP, JP, Oak, TA, & RM over nice oak saps, JP, aspen & RM saps. O2 is a combination of all species. WP nearly all weeviled. Inclusion: 2 acres of black spruce swamp along east side. Current WP SI unrepresentative, so updated age to older component, but used original USFS SI. See locked comments.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>15</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>6</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>16</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>White Pine</td> <td>23</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>25</td> <td>Log</td> <td>12</td> <td>50</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Jack Pine | 15 | Pole | 8 | | Red Maple | 6 | Pole | 7 | | Black Spruce | 16 | Pole | 7 | | White Pine | 23 | Log/Pole | 11 | | Red Pine | 25 | Log | 12 | 50 | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Black/Red (Hybrid) Oak | Low | Variable | Sapling |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 15 | Pole | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 6 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | 16 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 23 | Log/Pole | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 25 | Log | 12 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | 4130 - Aspen | Poletimber Well | 18.0 | 28 | 51-80 | N/A | Stand looks like it was planted jack pine prior to last harvest (furrows still evident). Okd comments- (OPIC - FMD: Cut in '91 (720149101). TA regen with oak, RM and JP mixed in. Lower ground to S & E along private. Previous notes: SURVEY LINE FROM STAND 52 TO 51 (AEF TRAV.PT.)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>80</td> <td>Pole/Sapling</td> <td>6</td> <td>28</td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Quaking Aspen | 80 | Pole/Sapling | 6 | 28 | Red Maple | 15 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 80 | Pole/Sapling | 6 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 15 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | 4112 - Maple, Beech, Cherry Association | Poletimber Medium | 47.1 | 60 | 51-80 | N/A | Stand is pure red maple through most of stand. Residual aspen usually in pockets is over-mature and seeing mortality. Previous inventory had called stand multi-aged however, there is no longer enough of the 80 year old trees left to have its own age class. South side of stand along stand 68 contains more mature trees. A few super canopy pines left in stand. Old comments- (OPIC - FMD: Salvage cut in '95 (720509401), dead oak, aspen 8" and up. Some surviving poor-quality NPO left, and individual TA stems.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>82</td> <td>Pole/Log</td> <td>9</td> <td>60</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Quaking Aspen | 10 | Log/Pole | 10 | | Red Maple | 82 | Pole/Log | 9 | 60 | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Red Maple | High | Variable | Sapling | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 10 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 82 | Pole/Log | 9 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | High | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | 6112 - Lowland Aspen | Poletimber Well | 34.7 | 27 | 51-80 | N/A | Assessed stand in winter, so was difficult to tell upland from lowland areas in places. In addition to list below, hawthorn and a few elm trees found in stand. Bald eagle spotted in south east part of stand adjacent to Thayer Creek (no nest seen in area). Old comments- (OPIC - FMD: Cut in '91 (720199102). TA on site close to the water table, areas seasonally wet. Rich herbaceous & shrub layers. Minority of stems just into pole class. Former logging access road wet in spots, grown over, extends to near Thayer Creek. Sensitive fern, cornus, alnus, horsetail, Dirca palustris. Some beaver cutting near creek. AFO type within stand's east 1/3. Used previous SI. East edge within Natural Rivers zone of Thayer Creek (HCVA, stand conditon code 8).) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>84</td> <td>Pole/Sapling</td> <td>6</td> <td>27</td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Quaking Aspen | 84 | Pole/Sapling | 6 | 27 | Balsam Fir | 10 | Sapling/Pole | 4 | | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Trace</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Balsam Fir | Low | Variable | Sapling | Alder | Medium | 5 - 10 feet | Tall Shrub | Black/Red (Hybrid) Oak | Trace | 5 - 10 feet | Sapling | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 84 | Pole/Sapling | 6 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 10 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alder | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | Trace | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 6112 - Lowland Aspen | Sapling Poor | 14.9 | 6 | Immature | N/A | Full stocking on the higher ground, but the lower ground is poorly stocked. There are small clumps of aspen and alder in the lower ground. Stand harvested in summer of 2013 under contract 72-046-11-01. Recommend accepting this stand as moderately stocked with openings. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 97 | Sapling | 1 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alder | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | 4191 - Mixed Upland Deciduous with Conifer | Sapling Medium | 27.2 | 15 | Immature | N/A | Really variable species mix with pockets of fir and pockets of aspen and jp/oak in between. Old comments- (OPIC - FMD: Cut in 2004 (720310101) merch except green-marked oak. Was an old JP plantation. Residual large sap/small pole BF, RM & oak over aspen, RM, oak, cherry and JP regen. A2 in a combination of all species. Some nice oak stump sprouting. U/G inclusions. Used adjacent aspen stand 62's SI.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 10 | Pole/Sapling | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jack Pine | 15 | Sapling | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 30 | Sapling | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------------|------------------|------------|------------|----------|--------------|---|---------------|----|----------|----|----|--|----|--------------------|---------|-------------|------------|-----------|--------------|--------------|---------|--|--------|--------------------|---------|-------------|------------------------|---------------|---------|-------------|---------|--------------|---------|--------------|---------|-----------|--------|-------------|------------|---------------|-----|-------------|------------|-----------------|--------|-------------|------------|------------|-----|----------|---------|------------------------|-------|----------|---------|--|--|--|
| 57 | 4199 - Other Mixed Upland Deciduous | Sapling Poor | 34.2 | 6 | Immature | N/A | Stand responded well to harvest and it looks like a good job was done protecting white pine advanced regen. Oak regen came back pretty thick in areas and anticipate most of it to get above 6' next YOY. Stand treatment indicated an aspen objective and stand failed to reach 40% aspen, however the stand contains an adequate mix of other desirable species (oak and white pine). Old comments- (OPIC - FMD: Stand harvested under contract 72-050-11-01. Old Comment: Mature oak with RM, BTA, WP & RP on rolling/ridged terrain. Oak quality and health decreases as grade down to flats along stand margins. WP understory ranging from W0-W2, some branch flagging (more to S and W). Final harvest with reserves to regenerate the oak, keep all pine. Create 3 half-acre leave islands, evenly-spaced across the stand. Goal is a mix of oak, pine and aspen regen. Adjacent pvt shelterwooded. Used previous SI.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 30 | Sapling | 1 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 20 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 15 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | 15 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 20 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | 42110 - Planted Red Pine | Sawtimber Well | 15.9 | 72 | 141-170 | N/A | Maple and oak came up heavy in understory following last thinning. Ba is a bit lower in south side of stand. Old comments- (OPIC - FMD: RP plantation, row-thinned in '91 (720509101) and free-thinned in '04 (720310101). Responding to release. 2/3's of stems in small saw class. Solid O3 below at W end, grading into more RM regen as go E, still with some aspen and oak regen mixed in. A handful of dead RP, but scattered, no spreading pocket mortality. Per 11/10/09 Compt Review, the west end was split off as stand 158 to be final harvested.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>91</td> <td>Log</td> <td>12</td> <td>72</td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Pine | 91 | Log | 12 | 72 | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Trace</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Red Maple | High | 10 - 20 feet | Sapling | Black/Red (Hybrid) Oak | Medium | 5 - 10 feet | Sapling | Red Pine | Trace | < 5 feet | Sapling | White Oak | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 91 | Log | 12 | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | High | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Trace | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | Medium | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | 6112 - Lowland Aspen | Sawtimber Medium | 20.7 | 69 | 1-50 | N/A | Aspen and balsam poplar are seeing mortality. Black ash is all dead. Very shrubby understory. Accepted previous inventory age as it was difficult to find aspen without rot in middle. Balsam fir may be dominant spp next yoe. Some black oak in understory in east side of stand. Old comments- (OPIC - FMD: Floodplain lowland hardwoods (Black ash, Bam, trembling aspen, balsam fir, and the occasional elm). Thayer Creek (part of AuSable's Natural Rivers designation - HCVA, therefore stand condition code 8) meanders through it, along with other ephemeral stream segments. Saturated soils, cowslip, marsh grass, poison ivy, tag alder, sensitive fern, blue flag iris. Top dieback common in black ash and bam. Creek impacted by beaver activity upstream in stand 65.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>41</td> <td>Log/Pole</td> <td>12</td> <td>69</td> </tr> <tr> <td>Balsam Poplar</td> <td>14</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>35</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Quaking Aspen | 41 | Log/Pole | 12 | 69 | Balsam Poplar | 14 | Log/Pole | 10 | | Balsam Fir | 35 | Sapling/Pole | 4 | | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>American Elm</td> <td>Trace</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Balsam Poplar</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Hawthorn (spp.)</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Trace</td> <td>>20 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | Quaking Aspen | Low | 5 - 10 feet | Sapling | American Elm | Trace | 10 - 20 feet | Sapling | Alder | Medium | 5 - 10 feet | Tall Shrub | Balsam Poplar | Low | Variable | Sapling | Hawthorn (spp.) | Low | 5 - 10 feet | Tall Shrub | Balsam Fir | Low | Variable | Sapling | Black/Red (Hybrid) Oak | Trace | >20 feet | Sapling | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 41 | Log/Pole | 12 | 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Poplar | 14 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | 35 | Sapling/Pole | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | Low | 5 - 10 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| American Elm | Trace | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alder | Medium | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Poplar | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hawthorn (spp.) | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 4125 - Black, N. Pin Oak | Sawtimber Medium | 66.0 | 99 | 81-110 | N/A | Stand has pretty consistant white pine established throughout sub canopy. Oak is in patches and still below browse height. Aspen saps are heavier towards the south.. Stand has some super canopy pines scattered. Most of the red pine is getting plate-like bark. Small stick nest found during inventory with no activity (OFS point taken). Old comments-(OPIC - FMD: Shelterwood cut in '04-'05 (720630101), marked oak and all merch RM, JP & aspen. Primarily RO saw (decent health) with aspen, RM, oak and WP regen below. Typed understory as RM because it is the most common overall, but there is nearly as much aspen sprouting, the oak stump sprouts are generally doing well, and there are areas of W3. Scattered WP & RP saw. Used previous SI.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>12</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>70</td> <td>Log</td> <td>12</td> <td>99</td> </tr> <tr> <td>White Oak</td> <td>10</td> <td>Log</td> <td>11</td> <td></td> </tr> </tbody> </table> | | Canopy Species | % Cover | Size Class | DBH | Age | | Red Maple | 12 | Pole | 6 | | Black/Red (Hybrid) Oak | 70 | Log | 12 | 99 | White Oak | 10 | Log | 11 | | <table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Witch Hazel</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>>20 feet</td> <td>Sapling</td> </tr> </tbody> </table> | | Sub-Canopy Species | Density | Avg. Height | Size | White Pine | Medium | >20 feet | Sapling | Red Maple | Medium | 10 - 20 feet | Sapling | White Oak | Low | < 5 feet | Sapling | Witch Hazel | Low | 5 - 10 feet | Tall Shrub | Bigtooth Aspen | Medium | >20 feet | Sapling | | | | | | | | | | | |
| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 12 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 70 | Log | 12 | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | 10 | Log | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Medium | 10 - 20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | Low | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Witch Hazel | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | Medium | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------------|----------------|------------|------------|----------|--------------|---|----|----------|----|----|---------------|----|----------|----|-----|---|----|----------|----|--|------------------------|----|----------|----|--|---|---|--------------------|---------|-------------|---|------------|--------------------|----------|-------------|------------|-----------|----------|----------|-----------|-------------|----------|-------------|--|------------|-----|----------|---------|-----------|-----|----------|---------|----------|-----|----------|---------|--|--|
| 61 | 4319 - Mixed Upland Forest | Sawtimber Well | 9.9 | 78 | 81-110 | N/A | Stand has heavily browsed white oak throughout. White pine with some red pine advanced regen located on west side of stand. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 25 | Log/Pole | 10 | 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | 23 | Pole/Log | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 23 | Log/Pole | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bigtooth Aspen | 15 | Pole/Log | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 7 | Pole | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Oak | Medium | < 5 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Witch Hazel | Low | 5 - 10 feet | Tall Shrub | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Low | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | Low | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | 4130 - Aspen | Sapling Poor | 20.4 | 6 | Immature | N/A | Fully stocked A3 post harvest except for in the lowlands in the northeast corner. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Cherry | 6 | Sapling | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 90 | Sapling | 1 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | 4130 - Aspen | Sapling Poor | 3.4 | 6 | Immature | N/A | See old comments-Old comment- (OPIC - FMD: TA moving into saw class. Occasional RM, oak, WP, BF. Individual stem mortality, some conks. Final harvest along with stand 62. No retention, apply dead & down creation spec. Used stand 62's SI.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quaking Aspen | 98 | Sapling | 1 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 6220 - Alder/willow | Nonstocked | 4.7 | | | No | OPIC - FMD: Small beaver-flooded area on Thayer Creek, HCVA - Natural River. Salix & spirea surrounding marsh grasses surrounding small lens of open water with yellow water lilly. Dam recently opened up. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | 622 - Lowland Shrub | Nonstocked | 33.5 | | | No | OPIC - FMD: L/N type: wide flooded area with discernable deeper channel through. Tag alder, Betula pumila, spirea, salix in standing water with juncus. NW end drier now, more of a wet meadow with blue flag iris. Numerous snags to SE. Trib to Thayer Creek. SE end within Natural Rivers zone, so HCVA. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | 42290 - Natural Mixed Pine | Sawtimber Well | 9.8 | 120 | 141-170 | N/A | South side of stand is low alder with spruce/fir and a few aspen. Previous inventory had stand age at 132. The trees I cored showed it being closer to 120. Some of the larger 30+ inch trees maybe that or older. Old comments refered to part of stand as "old growth area". Contains some trees that qualify as legacy, but does not fit the definition of old growth. See old comments- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Canopy Species | % Cover | Size Class | DBH | Age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Pine | 30 | Log/XLog | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | 39 | XLog/Log | 20 | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black Spruce | 10 | Pole | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Black/Red (Hybrid) Oak | 10 | Log | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sub-Canopy Species | Density | Avg. Height | Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Balsam Fir | Medium | Variable | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pine | Medium | >20 feet | Pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red Maple | Trace | >20 feet | Sapling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | Managed Site | General Comments |
|------------------------|---------------------------------|-------------------|-------------------|------------|------------|--------------|---|
| 68 | 4119 - Mixed Northern Hardwoods | Sapling Poor | 15.3 | 6 | Immature | N/A | Oak, aspen, and white pine were the desired species for this stand. A seed tree type cut was done in this stand and failed to produce any notable oak or aspen regeneration. There is heavy browse in this stand and it has come back to mostly red maple. White pine regen was protected during harvest and resulted a couple patches of 2-4" white pine. Old Comment- (Stand harvested in summer of 2013, under contract 72-046-11-01.) |
| Canopy Species | | % Cover | Size Class | DBH | Age | | |
| Black/Red (Hybrid) Oak | | 7 | Log | 14 | | | |
| White Pine | | 10 | Sapling | 3 | | | |
| Red Maple | | 68 | Sapling | 1 | 6 | | |
| 69 | 4310 - Pine, Oak Mix | Sapling Well | 18.6 | 28 | 1-50 | N/A | See old comments- OPIC - FMD: Cut in '91 (720149101). J3 natural regen following cut. Over- & under-stocked areas, averages out to J3 if also include oak regen. Previous notes: SURVEY LINE FROM STAND 52 TO 51 (AEF TRAV.PT.) |
| Canopy Species | | % Cover | Size Class | DBH | Age | | |
| Black/Red (Hybrid) Oak | | 36 | Sapling/Pole | 4 | | | |
| Red Maple | | 10 | Pole | 7 | | | |
| Jack Pine | | 45 | Sapling/Pole | 4 | 28 | | |
| 70 | 6112 - Lowland Aspen | Sapling Poor | 12.6 | 6 | Immature | N/A | Bottom of drainage has patches of lowland aspen mixed with alder and is non-stocked or poorly stocked where its wetter. Steep north east slope has fully stocked aspen. Stand regen looks acceptable. Stand harvested 2012/13 under contract 72-046-11-01. |
| Canopy Species | | % Cover | Size Class | DBH | Age | | |
| Quaking Aspen | | 86 | Sapling | 1 | 6 | | |
| Black Cherry | | 7 | Sapling | 1 | | | |
| 71 | 42290 - Natural Mixed Pine | Poletimber Medium | 15.0 | 54 | 1-50 | N/A | Stand appears to be 2 aged. There is a 17 year old cohort of jack pine and white pine saplings in openings. White pine and balsam fir pole timber around 54 year old dominate the majority of canopy. Some super canopy pines seen as well. Old comments - (OPIC - FMD: Cut in '02 (720300101) merch stems except green-marked trees. This part of the harvest area was not planted to JP (as stand 43 was) due to the amount of residual stems following the cut. The residual included green-marked trees (primarily oak and WP, and large sap/small pole balsam fir and WP. JP regenerated naturally following the harvest, with J3+ at the landing area, and less than J1 elsewhere. "J1" is a composite of the JP, balsam fir and WP. Used previous SI. Pere Cheney KW Management Unit. HCVA, therefore stand condition code 8 applied.) |
| Canopy Species | | % Cover | Size Class | DBH | Age | | |
| Balsam Fir | | 35 | Pole/Sapling | 6 | | | |
| White Pine | | 37 | Pole/Sapling | 6 | 54 | | |
| Jack Pine | | 25 | Sapling | 2 | 17 | | |
| 158 | 4125 - Black, N. Pin Oak | Sapling Poor | 6.7 | 6 | Immature | N/A | Treatment had an aspen objective with a mix of other species. Stand came back to O3 and is mostly above 6 feet tall. This stand meets objectives with current composition.Old comments- (OPIC - FMD: Stand harvested under contract 72-050-11-01. Old Comment: RP plantation, row-thinned in '91 (720509101) and free-thinned in '04 (720310101). Responding to release. 2/3's of stems in small saw class. Solid O3 below at W end, grading into more RM regen as go E, still with some aspen and oak regen mixed in. Per 11/10/09 Compt Review, this stand was split off from stand 58 and will be final harvested in order to release the nice oak regen and connect stands 57 & 63.) |
| Canopy Species | | % Cover | Size Class | DBH | Age | | |
| Black/Red (Hybrid) Oak | | 93 | Sapling | 1 | 6 | | |