



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54150

Entry Year 2019

Acreage: 1,730

County Presque Isle

Management Area: Cheboygan Lake Plain

Revision Date: 2017-05-26

Stand Examiner: Darrick Coy

Legal Description:

T35N R03E Sec 22-24, 27

Identified Planning Goals:

To provide for the protection, integrated management and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan. Harvests prescribed will help to balance the age classes of aspen, red pine, northern hardwood, and oak to sustainably produce various timber products, enhance game and non-game wildlife habitat and provide for forest-based recreational uses.

Soil and topography:

Soils are primarily excessively drained sands. The topography of the compartment is primarily level with some minor areas of rolling terrain. Areas of steep terrain exist along and within close proximity to the Ocqueoc and Little Ocqueoc Rivers. The compartment is predominately red pine, jack pine, aspen, and lowland conifer cover types. Forest habitat types are primarily dominated by PARVHa and unclassified lowland. The portion of the compartment along the Ocqueoc River and Silver Creek has steep banks with springs and wet seeps.

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

Mostly state ownership around the compartment with some private ownership to the west and east. Most of the private land is used for hunting and recreation.

Unique Natural Features:

Rare and Endanger Species Present- Wood Turtle
Potential Other Rare and Endangered Species Present- Slippershell

The Ocqueoc River has small water falls within the compartment. The Little Ocqueoc River flows underground for a portion of the compartment and then emerges from the side of a limestone ridge.

Archeological, Historical, and Cultural Features:

Some sites exist. Contact the state historical preservation office for more information or reporting of new sites.

Special Management Designations or Considerations:

The Ocqueoc Falls State Forest Campgrounds SCA (Special Conservation Area- Concentrated Recreational Area) and Pathway are within the compartment. Some POG (Special Conservation Area- Potential Old Growth) designations exist and are being recommended for removal. These areas do not meet old growth classification requirements.

Watershed and Fisheries Considerations:

Indian Creek, Ocqueoc and Little Ocqueoc Rivers

Wildlife Habitat Considerations:

This compartment is an excellent opportunity to manage for wildlife. It is part of a multiple compartment, large scale block of public land providing contiguous wildlife pathways that are necessary for many of our large game animals such as black bear. Habitat components of oak, aspen and pine provide food and cover for multiple species at a variety of age classes. We are working to maintain mast producing trees as well as keep a good age rotation of aspen in this compartment with consideration of adjacent compartments. Species which benefit from our management include white-tailed deer, black bear, ruffed grouse, woodcock, and many other game and non-game species.

Mineral Resource and Development Concerns and/or Restrictions

There is no metallic mineral potential in this part of the state. A former sand/gravel pit is located in the vicinity, but the sand and gravel potential in the compartment appears to be limited. The Dundee and Traverse limestones underlie the glacial sediments beneath the compartment. These formations are quarried for stone in the region. There may be some limestone potential within the compartment where the glacial drift is thin or absent, but development potential is considered low. This

area has seen very minimal exploration for oil and gas. The nearest active production is more than four miles away. There are currently no active leases on State land. Oil and gas development potential appears to be low.

Vehicle Access:

This compartment is accessed from M-68 and Falls Hwy. There are also numerous two-track roads running through the compartment.

Survey Needs:

None.

Recreational Facilities and Opportunities:

There are many opportunities for mushroom picking, hunting and wildlife viewing in the area. The day use area at Ocqueoc Falls is also an ever increasingly popular site on summer days. The pathway is receiving increasing use both for cross-country skiing and hiking. The Silver Creek snowmobile trail also passes through the compartment.

Fire Protection:

Fire response to the compartment will be covered by the Onaway DNR office as well as the Case Township Fire Department.

Additional Compartment Information:

The following reports from the Inventory are attached:

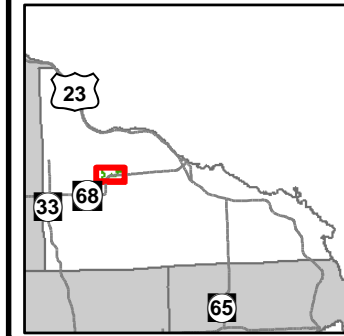
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

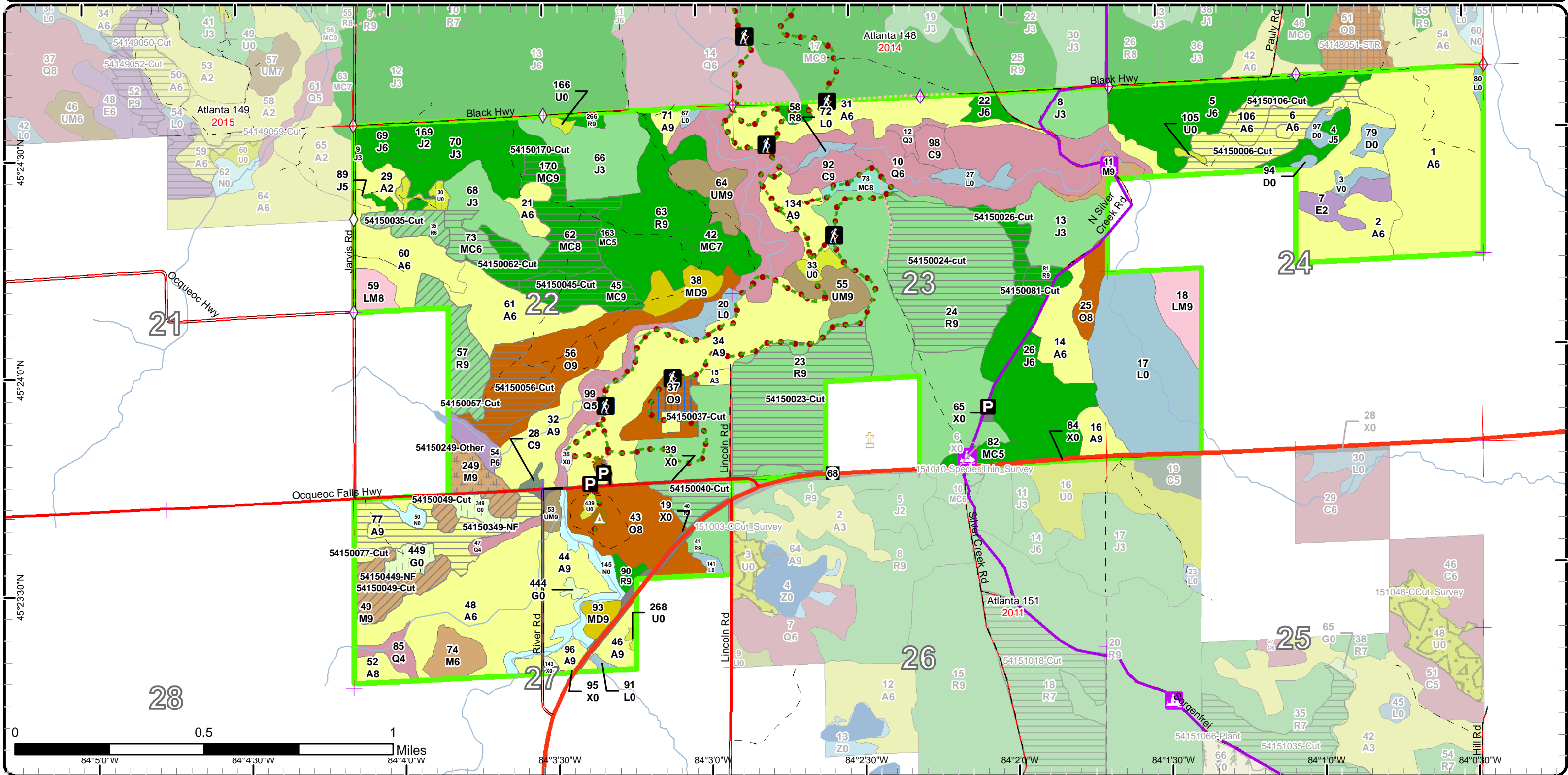
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 150
 T35N, R03E, Sec: 22-24, 27
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Cheboygan Lake Plain
 YOE: 2019
 Acres: 1729.6 GIS Calculated
 Examiner: Darrick Coy
 Map Revised: 10/4/2017
 Map Phase: Post-Review

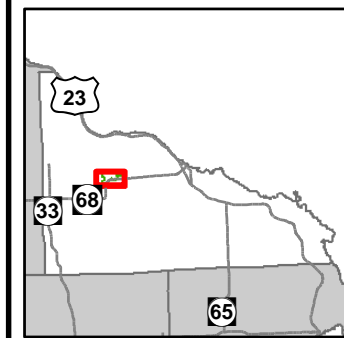


- Miris Corners
- Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- ▲ Campground
- ☠ Cemetery
- P Parking Lot
- ★ Trailhead
- 🚲 Bike Trails
- 🚶 Hiking Trails
- 🏂 Ski Trails
- 🏠 Snowmobile Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Equestrian Trails
- Designated Ski Trails
- Designated Snowmobile Trails
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Opening Maintenance
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 790 - Other Bare/Sparse Vegetated
- Lakes

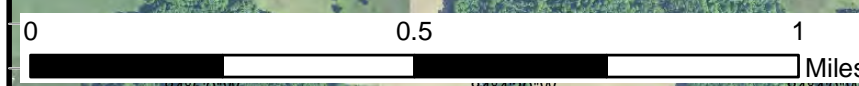
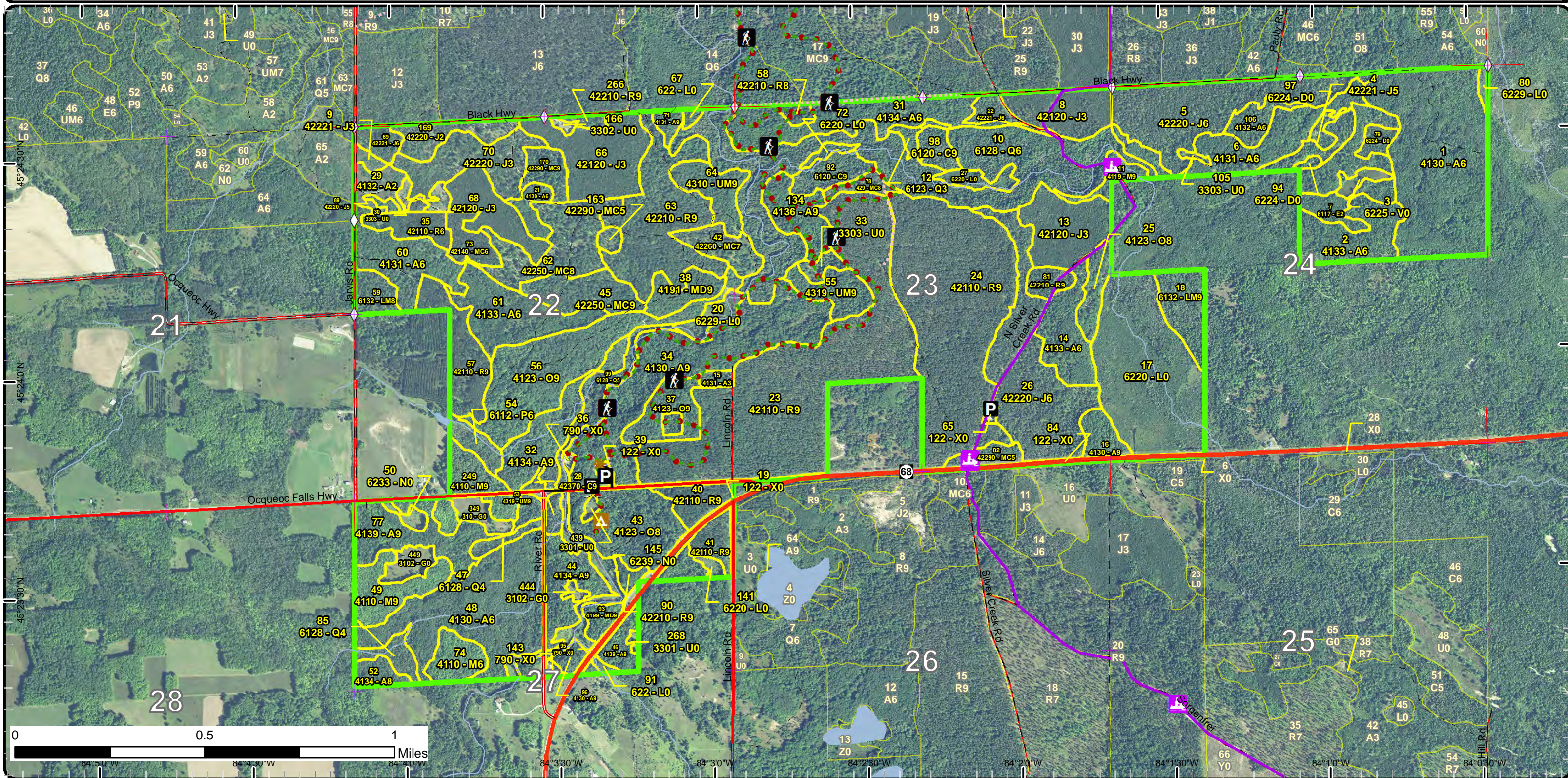


Stand Boundary Map

Compartment: 150
 T35N, R03E, Sec: 22-24, 27
 County: Presque Isle
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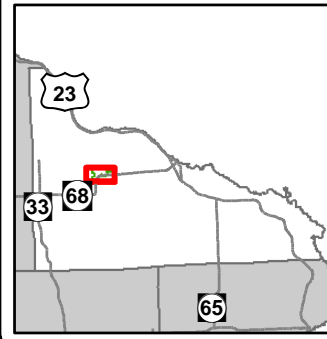
- Miris Corners
- Remonumented Section Corners
- Field Grade GPS Corners
- Counties
- Campground
- Cemetery
- Parking Lot
- Trailhead
- Bike Trails
- Hiking Trails
- Ski Trails
- Snowmobile Trails
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- Designated Bicycle Trails
- Designated Equestrian Trails
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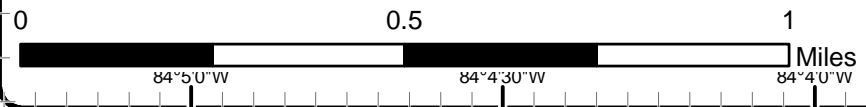
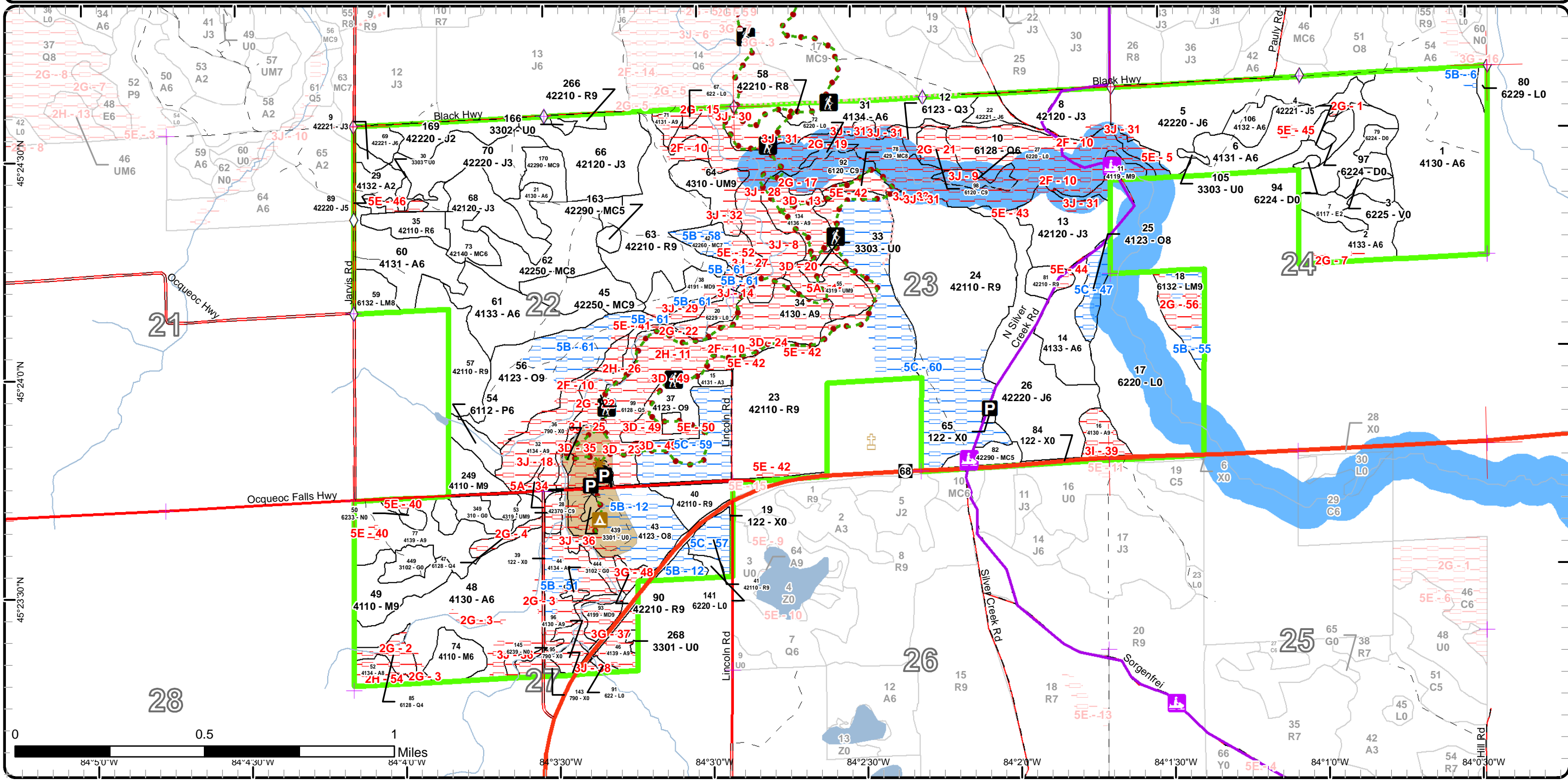
84°50'W 84°40'W 84°30'W 84°20'W 84°10'W 84°00'W

Special Conservation Areas & Site Conditions Map

Compartment: 150
 T35N, R03E, Sec: 22-24, 27
 County: Presque Isle
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 Mgmt Area: Cheboygan Lake Plain
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- - Poor Dirt Roads
- - - - Closed
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3D: Recreational / Scenic values
- 3G: Other Influence zones - See comments
- 3I: Historical / archeological (add locked comments)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5A: Not able to obtain desirable regeneration
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- State Forest Campground



Report 1 – Total Acres by Cover Type and Age Class



Age Class

| | Non-Forest | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | 90-99 | 100-109 | 110-119 | 120-129 | 130-139 | 140-149 | 150+ | Uneven-Aged | Total |
|-----------------------------|------------|----------|-----------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|----------|----------|----------|----------|----------|-------------|-------------|
| Aspen | 0 | 0 | 12 | 28 | 136 | 139 | 24 | 35 | 22 | 20 | 96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 512 |
| Bare/Sparsely Vegetated | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Bog | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| Herbaceous Openland | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| Jack Pine | 0 | 0 | 39 | 91 | 109 | 11 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 |
| Low-Density Trees | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Lowland Aspen/Balsam Poplar | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 6 | 114 | 0 | 0 | 0 | 0 | 0 | 0 | 126 |
| Lowland Deciduous | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Lowland Mixed Forest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| Lowland Shrub | 88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 |
| Marsh | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| Mixed Upland Deciduous | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| Natural Mixed Pines | 0 | 0 | 0 | 2 | 0 | 6 | 0 | 19 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 71 |
| Northern Hardwood | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 31 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 47 |
| Oak | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84 | 14 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 105 |
| Planted Mixed Pines | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Red Pine | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 56 | 254 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 345 |
| Treed Bog | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Upland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Upland Mixed Forest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| Urban | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| Total | 163 | 0 | 51 | 121 | 263 | 160 | 61 | 133 | 335 | 156 | 131 | 161 | 0 | 0 | 0 | 0 | 0 | 0 | 1730 |



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2019

Acres of Harvest

Compartment 150

Total Compartment Acres: 1,730

Commercial Harvest - 348
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

| | Clearcut | Selection | Patch Clearcut | Seed Tree | Shelterwood | Thinning | Overstory Removal | Salvage | Other | Total Acres |
|---------------------|------------|-----------|----------------|-----------|-------------|-----------|-------------------|----------|----------|-------------|
| Aspen | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56 |
| Jack Pine | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Natural Mixed Pines | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 |
| Northern Hardwood | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 23 |
| Oak | 22 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 29 |
| Planted Mixed Pines | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Red Pine | 145 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 174 |
| Total | 289 | 0 | 0 | 7 | 0 | 52 | 0 | 0 | 0 | 348 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|------------|------------|------------|----------|----------|------------|------------|----------|-----------------|-------------|
| Current | 348 | 0 | 0 | 0 | 0 | 0 | 9 | 16 | | 372 |
| Next Step | 0 | 327 | 234 | 0 | 0 | 467 | 552 | 0 | 0 | 1579 |
| Total | 348 | 327 | 234 | 0 | 0 | 467 | 552 | 9 | 16 | 1952 |



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------------|----------------|-------|-------------------|-----------------|-----------|----------|----------------|-------------------------|----------------------|---------------|-------------------|
| 6 | 54150006-Cut | 22.3 | 4131 - Aspen, Oak | Poletimber Well | 58 | 51-80 | Harvest | Clearcut with Retention | 4130 - Aspen | Even-Aged | Approved Proposal |

Habitat Cut: No

Site Condition:

Prescription -clearcut

Specs: -area retention already excluded (see site conditions)
-include standard grouse specification

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable -aspen, jp, oak, rm, pine, and fir of medium to high stocking

Regen:

Other -will not need survey- corners were found during inventory

Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|----|--------------|------|--------------------------|----------------|----|--------|---------|-------------------------|--------------------------|-----------|-------------------|
| 23 | 54150023-Cut | 60.6 | 42110 - Planted Red Pine | Sawtimber Well | 78 | 81-110 | Harvest | Clearcut with Retention | 42110 - Planted Red Pine | Even-Aged | Approved Proposal |
|----|--------------|------|--------------------------|----------------|----|--------|---------|-------------------------|--------------------------|-----------|-------------------|

Habitat Cut: No

Site Condition:

Prescription -clearcut

Specs: -3-10% area retention already excluded (see site conditions layer)
-protect non-motorized pathway in timber sale specifications
-require low stumps and chip tops

Next Step Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial; Monitoring, Artificial

Treatments: Regen(3yr)

Acceptable -fully stocked rp with minor deciduous associates

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|----|--------------|------|--------------------------|----------------|----|---------|---------|-------------------------|--------------------------|-----------|-------------------|
| 24 | 54150024-cut | 70.8 | 42110 - Planted Red Pine | Sawtimber Well | 78 | 111-140 | Harvest | Clearcut with Retention | 42110 - Planted Red Pine | Even-Aged | Approved Proposal |
|----|--------------|------|--------------------------|----------------|----|---------|---------|-------------------------|--------------------------|-----------|-------------------|

Habitat Cut: No

Site Condition:

Prescription -clearcut

Specs: -protect pathway in timber sale specifications
-require low stumps and chip tops
-leave 3-10% retention at NW corner of treatment for visual along pathway

Next Step Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial; Monitoring, Artificial

Treatments: Regen(3yr)

Acceptable -fully stocked rp with minor deciduous associates

Regen:

Other

Comment:

Proposed Start Date: 03/14/2017



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|--|-------------------|-------|-----------------------------------|--------------------|--------------|-----------------|-------------------|------------------------------------|---|------------------|----------------------|
| 26 | 54150026-Cut | 6.6 | 42220 - Natural Jack Pine | Poletimber Well | 36 | 51-80 | Harvest | Clearcut with Retention | 42110 - Planted Red Pine | Even-Aged | Approved Proposal |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> -clearcut | | | | | | | | | | | |
| <u>Specs:</u> -require low stumps and chip tops -area retention is already excluded (see site conditions) | | | | | | | | | | | |
| <u>Next Step</u> SitePrep, Roller Chopping; Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, | | | | | | | | | | | |
| <u>Treatments:</u> Aerial; Monitoring, Artificial Regen(3yr) | | | | | | | | | | | |
| <u>Acceptable</u> -fully stocked rp with minor deciduous associates | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 05/18/2017 | | | | | | | | | | | |
| 30 | 54150030-NF | 3.9 | 3303 - Mixed Low Density Trees | Nonstocked | | Unspec ified | NonForestMgt | Herbaceous/Crop /Grass Planting | 330 - Low- Density Trees | | Approved Proposal |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> Opening will be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture | | | | | | | | | | | |
| <u>Specs:</u> practices | | | | | | | | | | | |
| <u>Next Step</u> | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/01/2018 | | | | | | | | | | | |
| 35 | 54150035-Cut | 9.0 | 42110 - Planted Red Pine | Poletimber Well | 50 | 171- 200 | Harvest | Systematic Thinning | 42110 - Planted Red Pine | Even-Aged | Approved Proposal |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> -3rd row thin | | | | | | | | | | | |
| <u>Specs:</u> -mark stand to cut due to some irregularities within the rows | | | | | | | | | | | |
| <u>Next Step</u> | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/01/2018 | | | | | | | | | | | |
| 37 | 54150037-Cut | 7.0 | 4123 - Red Oak | Sawtimber Well | 96 | 51-80 | Harvest | Seed Tree with Retention | 4191 - Mixed Upland Deciduous with Conifer | Even-Aged | Approved Proposal |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> -leave 5-20 BA of pine for visual concerns along trail | | | | | | | | | | | |
| <u>Specs:</u> -protect pathway and advanced pine regeneration in sale specifications -do not put any of the treatment west of the trail to reduce user conflicts -consider requiring harvest operations outside of camping season or in Winter only to reduce user conflicts | | | | | | | | | | | |
| <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> -any combination of oak, maple, pine, fir, and aspen of medium to high stocking | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/01/2018 | | | | | | | | | | | |



| Stand | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-------|----------------|-------|--------------------------|----------------|-----------|----------|----------------|-------------------------|--------------------------|---------------|-------------------|
| 40 | 54150040-Cut | 9.3 | 42110 - Planted Red Pine | Sawtimber Well | 79 | 111-140 | Harvest | Clearcut with Retention | 42110 - Planted Red Pine | Even-Aged | Approved Proposal |

Habitat Cut: No**Site Condition:**Prescription -clearcutSpecs: -area retention already excluded within compartment 151 stand 1 to the east (see site conditions layer)
-require low stumps and chip topsNext Step Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial; ; Monitoring, Artificial
Treatments: Regen(3yr)Acceptable -fully stocked rp with minor deciduous associatesRegen:OtherComment:Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|----|--------------|------|-------------------|----------------|----|--------|---------|-------------------------|--------------------------|-----------|-------------------|
| 45 | 54150045-Cut | 16.5 | 42250 - Pine, Oak | Sawtimber Well | 74 | 81-110 | Harvest | Clearcut with Retention | 42110 - Planted Red Pine | Even-Aged | Approved Proposal |
|----|--------------|------|-------------------|----------------|----|--------|---------|-------------------------|--------------------------|-----------|-------------------|

Habitat Cut: No**Site Condition:**Prescription -clearcutSpecs: -protect trees over 26 inches with 3-10% area retention, if present
-require low stumps and chip tops
-after harvest, identify any desirable natural regeneration (3-10% of treated area in size) and exclude it from planting follow-up workNext Step SitePrep, Roller Chopping; Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide,
Treatments: Aerial; Monitoring, Artificial Regen(3yr)Acceptable -fully stocked rp with minor deciduous associatesRegen:OtherComment:Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|----|--------------|------|--------------------------------|----------------|----|---------|---------|----------------|--------------------------------|-----------|-------------------|
| 49 | 54150049-Cut | 22.8 | 4110 - Sugar Maple Association | Sawtimber Well | 83 | 111-140 | Harvest | Crown Thinning | 4110 - Sugar Maple Association | Even-Aged | Approved Proposal |
|----|--------------|------|--------------------------------|----------------|----|---------|---------|----------------|--------------------------------|-----------|-------------------|

Habitat Cut: No**Site Condition:**Prescription -thin to 80 residual BASpecs: -require shortwood in specs for residual tree protection
-protect hemlock trees with 1 tree height of no cutting
-cut outside of Spring to reduce rutting within stand and two-track accessNext StepTreatments:AcceptableRegen:Other

-survey corners were located to the north and south, no survey needed

Comment:Proposed Start Date: 10/01/2018



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------------|-------------------|-------|--------------------|-------------------|--------------|-------------|-------------------|----------------------------|---|------------------|----------------------|
| 56 | 54150056-Cut | 21.7 | 4123 - Red Oak | Sawtimber Well | 88 | 81-110 | Harvest | Clearcut with Retention | 4191 - Mixed Upland Deciduous with Conifer | Even-Aged | Approved Proposal |

Habitat Cut: No**Site Condition:**Prescription -clearcutSpecs: -area retention already excluded (see site conditions)

-require low stumps, chip tops, and harvest with snow off and unfrozen ground to help scarify site

Next Step Monitoring, Natural Regen (Intermediate); SitePrep, Roller Chopping; Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant;Treatments: Monitoring, Artificial Regen(1yr); Pesticide, Aerial; Monitoring, Artificial Regen(3yr)Acceptable -oak, maple, fir, pine, and aspen of medium to high stockingRegen: -a minimum of 30% coverage of oak is considered successful. If not, establish planted rp within the stand to encourage oak regeneration. An artificial rp cover type is also acceptable.OtherComment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|----|--------------|------|-----------------------------|-------------------|----|-------------|---------|----------------|-----------------------------|-----------|----------------------|
| 57 | 54150057-Cut | 20.2 | 42110 - Planted Red Pine | Sawtimber Well | 54 | 141- 170 | Harvest | Crown Thinning | 42110 - Planted Red Pine | Even-Aged | Approved Proposal |
|----|--------------|------|-----------------------------|-------------------|----|-------------|---------|----------------|-----------------------------|-----------|----------------------|

Habitat Cut: No**Site Condition:**Prescription -thin stand to 120 residual BASpecs: -overall residual BA will likely be lower than 120 due to irregular stocking and wide gaps within rowsNext StepTreatments:AcceptableRegen:Other -survey corners are established, will not need a surveyComment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|----|--------------|------|-------------------|---------------------|----|-------|---------|----------------------------|-----------------------------|-----------|----------------------|
| 62 | 54150062-Cut | 28.2 | 42250 - Pine, Oak | Sawtimber Medium | 74 | 51-80 | Harvest | Clearcut with Retention | 42110 - Planted Red Pine | Even-Aged | Approved Proposal |
|----|--------------|------|-------------------|---------------------|----|-------|---------|----------------------------|-----------------------------|-----------|----------------------|

Habitat Cut: No**Site Condition:**Prescription -clearcutSpecs: -protect trees over 26 inches with 3-10% area retention, if present

-require low stumps and chip tops

-after harvest, identify any desirable natural regeneration (3-10% of treated area in size) and exclude it from planting follow-up work

Next Step Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial; Monitoring, ArtificialTreatments: Regen(3yr); SitePrep, Roller ChoppingAcceptable -fully stocked rp with minor deciduous associatesRegen:OtherComment:

Proposed Start Date: 10/01/2018



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------------|----------------|-------|----------------------------|-----------------|-----------|----------|----------------|-------------------------|--------------------------|---------------|-------------------|
| 73 | 54150073-Cut | 8.1 | 42140 - Planted Mixed Pine | Poletimber Well | 50 | 81-110 | Harvest | Clearcut with Retention | 42110 - Planted Red Pine | Even-Aged | Approved Proposal |

Habitat Cut: No**Site Condition:**Prescription -clearcutSpecs:

-leave 3-10% in area retention

-require low stumps and chip tops

Next Step SitePrep, Roller Chopping; Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Treatments: Aerial; Monitoring, Artificial Regen(3yr)

Acceptable -fully stocked rp with minor deciduous associatesRegen:OtherComment:Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|----|--------------|------|-------------------------------|----------------|----|--------|---------|-------------------------|--------------|-----------|-------------------|
| 77 | 54150077-Cut | 25.6 | 4139 - Aspen, Mixed Deciduous | Sawtimber Well | 62 | 81-110 | Harvest | Clearcut with Retention | 4130 - Aspen | Even-Aged | Approved Proposal |
|----|--------------|------|-------------------------------|----------------|----|--------|---------|-------------------------|--------------|-----------|-------------------|

Habitat Cut: No**Site Condition:**Prescription -clearcutSpecs:

-3-10% area retention already excluded for rather wet area to the north along the road and within stand (see site conditions layer)
 -leave under-represented tree species of rp, wp, and oak (if present) not to exceed 5 BA (should not need to mark, hardly any present)
 -cut outside of Spring
 -use opening(s) for a landing area
 -include standard grouse specification

Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable -aspen, maple, fir, ash, birch, spruce, oak, and pine of medium to high stockingRegen:Other

-survey corners were located to the north and south, no survey needed

Comment:Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|----|--------------|-----|--------------------------|----------------|----|--------|---------|-------------------------|--------------------------|-----------|-------------------|
| 81 | 54150081-Cut | 4.1 | 42210 - Natural Red Pine | Sawtimber Well | 65 | 81-110 | Harvest | Clearcut with Retention | 42110 - Planted Red Pine | Even-Aged | Approved Proposal |
|----|--------------|-----|--------------------------|----------------|----|--------|---------|-------------------------|--------------------------|-----------|-------------------|

Habitat Cut: No**Site Condition:**Prescription -clearcutSpecs:

-protect snowmobile trail in timber sale specifications
 -require low stumps and chip tops
 -area retention is included east of snowmobile trail (see site conditions)

Next Step SitePrep, Roller Chopping; Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Treatments: Aerial; Monitoring, Artificial Regen(3yr)

Acceptable -fully stocked rp with minor deciduous associatesRegen:OtherComment:Proposed Start Date: 10/01/2018



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|--|--------------------|-------|-----------------------------------|--------------------|--------------|-----------------|-------------------|------------------------------------|-----------------------------|------------------|----------------------|
| 106 | 54150106-Cut | 7.6 | 4132 - Aspen, Jack Pine | Poletimber Well | 34 | 1-50 | Harvest | Clearcut with Retention | 4132 - Aspen, Jack Pine | Even-Aged | Approved Proposal |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> -clearcut | | | | | | | | | | | |
| <u>Specs:</u> -area retention already excluded (see site conditions) -include standard grouse specification | | | | | | | | | | | |
| <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> -aspen, jp, oak, rm, and fir of medium to high stocking | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/01/2018 | | | | | | | | | | | |
| 170 | 54150170-Cut | 7.8 | 42290 - Natural Mixed Pine | Sawtimber Well | 67 | 141- 170 | Harvest | Clearcut with Retention | 42110 - Planted Red Pine | Even-Aged | Approved Proposal |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> -clearcut | | | | | | | | | | | |
| <u>Specs:</u> -protect trees over 26 inches with 3-10% area retention -require low stumps and chip tops | | | | | | | | | | | |
| <u>Next Step</u> SitePrep, Roller Chopping; Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, | | | | | | | | | | | |
| <u>Treatments:</u> Aerial; Monitoring, Artificial Regen(3yr) | | | | | | | | | | | |
| <u>Acceptable</u> -fully stocked rp with minor deciduous associates | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/01/2018 | | | | | | | | | | | |
| 249 | 54150249- Other | 8.6 | 4110 - Sugar Maple Association | Sawtimber Well | 84 | 51-80 | Other | Other | 411 - Northern Hardwood | Uneven- Aged | Approved Proposal |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> -no additional follow-up work recommended | | | | | | | | | | | |
| <u>Specs:</u> -requesting variance to accept lack of desirable regeneration and allow the stand to develop -past treatment resulted in extreme browse by deer and was a heavy thinning vs a selection harvest -current regeneration is primarily ironwood with scattered beech | | | | | | | | | | | |
| <u>Next Step</u> | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/01/2018 | | | | | | | | | | | |
| 349 | 54150349-NF | 5.6 | 310 - Herbaceous Openland | Nonstocked | 0 | Unspec ified | NonForestMgt | Herbaceous/Crop /Grass Planting | 3102 - Grass | | Approved Proposal |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> Opening will be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture | | | | | | | | | | | |
| <u>Specs:</u> practices | | | | | | | | | | | |
| <u>Next Step</u> | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/01/2018 | | | | | | | | | | | |



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------------|-------------------|-------|--------------------|-----------------|--------------|-----------------|-------------------|------------------------------------|-------------------------|------------------|----------------------|
| 449 | 54150449-NF | 6.0 | 3102 - Grass | Nonstocked | | Unspec ified | NonForestMgt | Herbaceous/Crop /Grass Planting | 3102 - Grass | | Approved Proposal |

Habitat Cut: No**Site Condition:**

Prescription Opening will be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture
Specs: practices

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

**Total Treatment
 Acreage Proposed: 372.3**

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Availability for Management

| Total Acres | Acres Available | Acres Available With Condition | Acres Not Available |
|-------------|-----------------|--------------------------------|---------------------|
| 1,730 | 984 | 253 | 492 |
| | 57% | 15% | 28% |

Dominant Site Conditions

| | Total Acres | Acres Available | Acres Available With Condition | Acres Not Available | Dominant Site Conditions | | | | | | | | | | |
|-------|-------------|-----------------|--------------------------------|-----------------------------|--------------------------|-----|----|----|----|----|----|----|-----|----|----|
| | | | | | 5B | 5C | 2F | 2G | 2H | 3D | 3G | 3I | 3J | 5A | 5E |
| 512 | 256 | 87 | 169 | Aspen | 87 | | 27 | 7 | 40 | 23 | 6 | 7 | 55 | | 3 |
| 2 | 0 | 0 | 2 | Bare/Sparsely Vegetated | | | 1 | | | | | | 1 | | |
| 3 | 3 | 0 | 0 | Bog | | | | | | | | | | | |
| 17 | 0 | 0 | 17 | Cedar | | | 3 | 12 | | 0 | | | | 1 | |
| 13 | 12 | 0 | 1 | Herbaceous Openland | | | | | | | | | 1 | | |
| 251 | 242 | 0 | 8 | Jack Pine | | | 0 | | | | | | 5 | | 3 |
| 12 | 8 | 0 | 4 | Low-Density Trees | | | 1 | | | 3 | | | | | |
| 6 | 6 | 0 | 0 | Lowland Aspen/Balsam Poplar | | | | | | | | | | | |
| 126 | 1 | 0 | 125 | Lowland Conifers | | | 30 | 20 | | 1 | | | 74 | | 0 |
| 10 | 10 | 0 | 0 | Lowland Deciduous | | | | | | | | | | | |
| 22 | 7 | 8 | 7 | Lowland Mixed Forest | 8 | | | 7 | | | | | | | |
| 87 | 73 | 0 | 15 | Lowland Shrub | | | | 3 | | | | | 11 | | |
| 16 | 3 | 0 | 14 | Marsh | | | | | | | | | 14 | | |
| 15 | 7 | 0 | 7 | Mixed Upland Deciduous | | | 1 | | | | | | 6 | | 0 |
| 71 | 61 | 6 | 4 | Natural Mixed Pines | 6 | | 1 | | | | | | 3 | | 0 |
| 47 | 41 | 0 | 6 | Northern Hardwood | | | 1 | | | | | | 4 | | |
| 106 | 29 | 53 | 24 | Oak | 44 | 8 | 10 | | | 3 | 0 | | 7 | | 3 |
| 8 | 8 | 0 | 0 | Planted Mixed Pines | | | | | | | | | | | |
| 345 | 180 | 99 | 66 | Red Pine | 0 | 99 | 7 | | | 0 | 1 | | 48 | | 10 |
| 7 | 7 | 0 | 0 | Treed Bog | | | | | | | | | | | |
| 4 | 0 | 0 | 4 | Upland Conifers | | | | | | 4 | | | | | 0 |
| 28 | 7 | 0 | 21 | Upland Mixed Forest | | | 7 | | | | | | 5 | 8 | |
| 21 | 21 | 0 | 0 | Urban | | | | | | | | | | | |
| 1,730 | 984 | 253 | 492 | Total Forested Acres | 145 | 108 | 89 | 49 | 40 | 35 | 7 | 7 | 236 | 10 | 20 |
| | 57% | 15% | 28% | 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 | Dominant Site Availability | Dominant Site Condition | Acres | Other Site Condition | Other Site Condition | Other Site Condition | Other Site Condition |
|------------------|--------------------|----------------------------|---|-------|----------------------|----------------------|----------------------|----------------------|
| 1 | Unavailable | | 2G: Too wet (sensitive soils, does not include access issues) | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | | |

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| | | | | | | | |
|---|--------------------|--|---|---|-------------|-------------|-------------|
| 2 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 3 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 4 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 4 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 4 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 5 | Unavailable | 5E: Long-Term Retention | 1 | 3J: Water quality / BMPs (stream, river, or lake) | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 6 | Available | 5B: Maintain for regeneration purposes | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: -older inclusion of aspen that was not previously harvested | | | | | | | |

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| | | | | | | | |
|------------------|--------------------|--|----|---|---|-------------|-------------|
| 7 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 8 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 75 | 2G: Too wet (sensitive soils, does not include access issues) | 3D: Recreational / Scenic values | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 9 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 5 | 2G: Too wet (sensitive soils, does not include access issues) | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 10 | Unavailable | 2F: Too steep | 89 | 3J: Water quality / BMPs (stream, river, or lake) | 3D: Recreational / Scenic values | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 11 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 34 | 3D: Recreational / Scenic values | 3J: Water quality / BMPs (stream, river, or lake) | Unspecified | Unspecified |
| Comments: | | | | | | | |

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| | | | | | | | |
|------------------|--------------------|--|----|--|---|-------------|-------------|
| 12 | Available | 5B: Maintain for regeneration purposes | 28 | 5C: Delay treatment for age/size class diversity or exceptional site quality | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 13 | Unavailable | 3D: Recreational / Scenic values | 14 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 14 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 6 | 3D: Recreational / Scenic values | 2G: Too wet (sensitive soils, does not include access issues) | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 15 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 16 | Unavailable | 5A: Not able to obtain desirable regeneration | 8 | 3D: Recreational / Scenic values | 3J: Water quality / BMPs (stream, river, or lake) | Unspecified | Unspecified |
| Comments: | | | | | | | |

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| | | | | | | | |
|------------------|--------------------|--|----|---|----------------------------------|-------------|-------------|
| 17 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 6 | 5A: Not able to obtain desirable regeneration | 3D: Recreational / Scenic values | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 18 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 16 | 3D: Recreational / Scenic values | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 19 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 20 | Unavailable | 3D: Recreational / Scenic values | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 21 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 6 | 5A: Not able to obtain desirable regeneration | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 22 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 10 | 3J: Water quality / BMPs (stream, river, or lake) | 3D: Recreational / Scenic values | Unspecified | Unspecified |
| Comments: | | | | | | | |

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| | | | | | | | |
|------------------|-------------|--|---|--|----------------------------------|-------------|-------------|
| 23 | Unavailable | 3D: Recreational / Scenic values | 8 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 24 | Unavailable | 3D: Recreational / Scenic values | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 25 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 0 | 2G: Too wet (sensitive soils, does not include access issues) | 3D: Recreational / Scenic values | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 26 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 1 | 3J: Water quality / BMPs (stream, river, or lake) | 3D: Recreational / Scenic values | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 27 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 3 | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 3D: Recreational / Scenic values | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 28 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 6 | 3D: Recreational / Scenic values | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

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| | | | | | | | |
|------------------|--------------------|--|----|---|----------------------------------|-------------|-------------|
| 29 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 30 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 5 | 3D: Recreational / Scenic values | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 31 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 16 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 32 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 33 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 0 | 2G: Too wet (sensitive soils, does not include access issues) | 3D: Recreational / Scenic values | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 34 | Unavailable | 5A: Not able to obtain desirable regeneration | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

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| | | | | | | | |
|---|-------------|--|----|---|-------------|-------------|-------------|
| 35 | Unavailable | 3D: Recreational / Scenic values | 5 | 3J: Water quality / BMPs (stream, river, or lake) | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 36 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 54 | 3D: Recreational / Scenic values | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 37 | Unavailable | 3G: Other Influence zones - See comments | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 38 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 39 | Unavailable | 3I: Historical / archeological (add locked comments) | 7 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 40 | Unavailable | 5E: Long-Term Retention | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Area retention for stand 77 | | | | | | | |

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| | | | | | | | |
|--|-------------|--|---|---|---------------|-------------------------------------|-------------|
| 41 | Unavailable | 5E: Long-Term Retention | 3 | 3J: Water quality / BMPs (stream, river, or lake) | 2F: Too steep | 3D: Recreational / Scenic values | Unspecified |
| Comments: -area retention for stand 56 | | | | | | | |
| 42 | Unavailable | 5E: Long-Term Retention | 9 | 3D: Recreational / Scenic values | Unspecified | Unspecified | Unspecified |
| Comments: Area retention for stand 23 | | | | | | | |
| 43 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 44 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 45 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 46 | Unavailable | 5E: Long-Term Retention | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: -area retention for stands 9, 29, 70, and 68 | | | | | | | |
| 47 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 9 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

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| | | | | | | | |
|--|-------------|--|---|----------------------------------|---|----------------------------------|-------------|
| 48 | Unavailable | 3G: Other Influence zones - See comments | 1 | 3D: Recreational / Scenic values | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 49 | Unavailable | 3D: Recreational / Scenic values | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 50 | Unavailable | 5E: Long-Term Retention | 1 | 3D: Recreational / Scenic values | Unspecified | Unspecified | Unspecified |
| Comments: area retention for stand 37 | | | | | | | |
| 51 | Available | 5B: Maintain for regeneration purposes | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 52 | Unavailable | 5E: Long-Term Retention | 0 | 2F: Too steep | 3J: Water quality / BMPs (stream, river, or lake) | 3D: Recreational / Scenic values | Unspecified |
| Comments: -area retention for stand 42 | | | | | | | |
| 54 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 5 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 150
Year of Entry: 2019

| | | | | | | | |
|------------------|--------------------|---|----|--|-------------|-------------|-------------|
| 55 | Available | 5B: Maintain for regeneration purposes | 8 | 5C: Delay treatment for age/size class diversity or exceptional site quality | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 56 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 7 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 57 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 7 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 58 | Available | 5B: Maintain for regeneration purposes | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 59 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 26 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 150
Year of Entry: 2019

| | | | | | | | |
|-----------|-----------|--|----|-------------|-------------|-------------|-------------|
| 60 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 66 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 61 | Available | 5B: Maintain for regeneration purposes | 17 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

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

Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

| Conservation Area | Type | Description |
|-------------------|-------------------|--|
| SCA | Cold Water Stream | A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210. |
| SCA | Riparian Area | A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity. |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|--|-------------------|-------|-----------|----------|---|
| 1 | 4130 - Aspen | Poletimber Well | 80.8 | 44 | 51-80 | -past treatment- clearcut- cut all aspen, birch, maple, and basswood -completion date- 2-21-74 -sale number- 96-73 -leave trees- none -volume (cds)- 254 aspen, mhwd 438 |
| 2 | 4133 - Aspen, Mixed Pine | Poletimber Well | 37.1 | 34 | 51-80 | -past treatment- clearcut- cut all jp, aspen, oak, mhwd, and mswd. cut all rp and wp with orange paint -completion date- 11/22/83 -sale number- 36-80A -leave trees- rp and wp -volume (cds)- 62% jp, 14% aspen, 8% oak, 6% rp, 4% mhwd, 4% mswd, 2% wp |
| 4 | 42221 - Natural Jack Pine, Mixed Deciduous | Poletimber Medium | 7.4 | 34 | 51-80 | |
| 5 | 42220 - Natural Jack Pine | Poletimber Well | 47.5 | 34 | 51-80 | -past treatment- clearcut- cut all jp, aspen, oak, mhwd, and mswd. cut all rp and wp with orange paint-completion date- 11/22/83-sale number- 36-80A-leave trees- rp and wp- volume (cds)- 62% jp, 14% aspen, 8% oak, 6% rp, 4% mhwd, 4% mswd, 2% wp |
| 6 | 4131 - Aspen, Oak | Poletimber Well | 24.2 | 58 | 51-80 | -past treatment- clearcut- cut all jp, aspen, oak, mhwd, and mswd. cut all rp and wp with orange paint -completion date- 11/22/83 -sale number- 36-80A -leave trees- rp and wp -volume (cds)- 62% jp, 14% aspen, 8% oak, 6% rp, 4% mhwd, 4% mswd, 2% wp |
| 7 | 6117 - Lowland Deciduous, Mixed Coniferous | Sapling Medium | 9.6 | 34 | 51-80 | -past treatment- clearcut- cut all jp, aspen, oak, mhwd, and mswd. cut all rp and wp with orange paint -completion date- 11/22/83 -sale number- 36-80A -leave trees- rp and wp -volume (cds)- 62% jp, 14% aspen, 8% oak, 6% rp, 4% mhwd, 4% mswd, 2% wp |
| 8 | 42120 - Planted Jack Pine | Sapling Well | 19.0 | 22 | 1-50 | -past treatment- clearcut- cut all trees except rp -completion date- 1/10/92 -sale number- 54-045-89-01 -leave trees- rp -volume (cds)- 485 jp, 14 ro, 51 bta, 17 rp, 3 rm (stands 8 and 13) -10/1994 planted ITASCA Minnesota nursery jp 1180 trees/acre) jd 740 skidder with tts trencher |
| 9 | 42221 - Natural Jack Pine, Mixed Deciduous | Sapling Well | 2.2 | 10 | Immature | -approved variance 7/12/06 to harvest as part of wildfire salvage sale cut with adjacent compartment 149 -past treatment- clearcut/salvage, protected wp in specs -completion date- 2007 -sale number- 54-031-05-01 -leave trees- 10 BA rp and wp -volume (cds)- aspen 37%, rp 12%, wp 27%, jp 24%; no subcanopy |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|--------------------|-------|--------------|-------------|---|
| 10 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Well | 102.2 | 105 | 111-140 | OPIE - FMD: LITTLE OCQUEOC RIVER-LITTLE DEER USE- POTENTIAL OLD GROWTH. STEEP BANDS ON NORTH AND SOUTH EDGES OF STAND. SCA-POTENTIAL OLD GROWTH. UNUSUAL GEOLOGICAL. PATHWAY.; more deciduous to NE portion of stand, still dominated by confers |
| 11 | 4119 - Mixed Northern Hardwoods | Sawtimber Well | 5.6 | 101 | 81-110 | OPIE - FMD: UNDER GROUND STREAM EMERGES-CAVE- KARST-OLD GROWTH POTENTIAL. SCA-POTENTIAL OLD GROWTH. UNUSUAL GEOLOGICAL. PATHWAY.; -more than normal amount of birch |
| 12 | 6123 - Lowland Fir | Sapling Well | 2.3 | 36 | 1-50 | -young fir stand; maybe was part of cut to the north; snow too deep, can't locate stumps; scattered older overstory of spruce and other deciduous |
| 13 | 42120 - Planted Jack Pine | Sapling Well | 23.8 | 22 | 1-50 | -past treatment- clearcut- cut all trees-completion date- 1/10/92-sale number- 54-045-89-01-leave trees- none- volume (cgs)- 485 jp, 14 ro, 51 bta, 17 rp, 3 rm (stands 8 and 13)-10/1994 planted ITASCA Minnesota nursery jp 1180 trees/acre) jd 740 skidder with tts trencher |
| 14 | 4133 - Aspen, Mixed Pine | Poletimber Well | 18.9 | 36 | 51-80 | -past treatment- clearcut- cut all jp, aspen, and rp marked with yellow paint -completion date- 12/9/80 -sale number- 29-80 -leave trees- other trees -volume (cgs)- 90% jp, 7% aspen, 3% rp; overstory in approx. 80 years old |
| 15 | 4131 - Aspen, Oak | Sapling Well | 4.1 | 15 | 1-50 | -decent oak regen -past treatment- 5 spot clearcut- cut all trees -completion date- 10/31/01 -sale number- 54-026-00-01 -leave trees- none -volume (cgs)- 15 rm, 40 ro, 10 bta |
| 16 | 4130 - Aspen | Sawtimber Well | 7.3 | 78 | 51-80 | -likely much older aspen stand, was not cut in the past; some huge very old aspen in stand; might be a but younger aspen to north 1/ is younger- 46; treated as an inclusion |
| 18 | 6132 - Mixed Lowland Forest with Cedar | Sawtimber Well | 14.9 | 96 | 111-140 | -aspen contain at least 40% rot or are already dead; transitional stand -very wet with cedar in interior with sparse deciduous |
| 21 | 4130 - Aspen | Poletimber Well | 5.8 | 38 | 51-80 | |
| 22 | 42221 - Natural Jack Pine, Mixed Deciduous | Poletimber Well | 4.5 | 44 | 1-50 | |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|-----------------------------|------------------|-------|-----------|----------|--|
| 23 | 42110 - Planted Red Pine | Sawtimber Well | 131.9 | 78 | 81-110 | -past treatment- thinning (RX was for shelterwood)- cut all yellow trees and aspen, rm, and jp over 4 inches, no tree-length skidding- residual BA 80 -completion date- 8/2/10 -sale number- 54-054-09-01 -leave trees- unmarked rp and oak -volume (cgs)- 90% RP -all jp and aspen was cut out in 1975 -planting record- 1937 -WILL ACCEPT MIXED REGENERATION- RED PINE, JACK PINE, & OAK |
| 24 | 42110 - Planted Red Pine | Sawtimber Well | 105.6 | 78 | 111-140 | -past treatment- thinning- cut all jp (SWNE 23 only) -completion date- 6/18/75 -sale number- 123-74 -leave trees- none -volume (cgs)- 379 jp -planting record- 1937; 1/5th-1/6tg live crown -17 point swings average 117 residual BA, slightly higher in the south half 130-150 |
| 25 | 4123 - Red Oak | Sawtimber Medium | 8.5 | 103 | 51-80 | -past treatment- clearcut- cut all jp, aspen, and rp marked with yellow paint -completion date- 12/9/80 -sale number- 29-80 -leave trees- other trees -volume (cgs)- 90% jp, 7% aspen, 3% rp; parvha site- med low end red oak; stand was cut through in past |
| 26 | 42220 - Natural Jack Pine | Poletimber Well | 54.6 | 36 | 51-80 | -past treatment- clearcut- cut all jp, aspen, and rp marked with yellow paint -completion date- 12/9/80 -sale number- 29-80 -leave trees- other trees -volume (cgs)- 90% jp, 7% aspen, 3% rp |
| 28 | 42370 - Upland Cedar, Aspen | Sawtimber Well | 1.2 | 102 | 141-170 | |
| 29 | 4132 - Aspen, Jack Pine | Sapling Medium | 7.7 | 16 | Immature | -Stand is natural jack pine with an aspen mix. Per discussions with the unit and Jim Bielecki, this stand has been changed to natural regeneration (reproduction adequate- no conversion). The stand is natural jack pine with an aspen mix. FTP C-54-722 has been canceled."-stand 88 serve as area retention for stand 29 and 70-past treatment- clearcut- cut all jp, rm, and aspen - completion date- 12/18/00-sale number- 54-005-00-01-leave trees- bf, rp, wp, and green trees-volume (cgs)- 326 jp, 20 rm, 7 aspen (stands 70 and 169) |
| 31 | 4134 - Aspen, Spruce/Fir | Poletimber Well | 34.7 | 47 | 51-80 | -more bigtooth in east half and some scattered oak (drier on hill) -thick fir subcanopy with qa and scattered rp log within west half -a lot of the conifer needs more size; aspen are showing some rot, but not significant |
| 32 | 4134 - Aspen, Spruce/Fir | Sawtimber Well | 22.8 | 92 | 81-110 | -more fir to south 1/3rd and close to creek; too many riparian and recreational concerns to treat stand effectively |
| 34 | 4130 - Aspen | Sawtimber Well | 65.2 | 93 | 51-80 | -some younger aspen inclusion pockets scattered throughout |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|--|------------------|-------|-----------|----------|---|
| 35 | 42110 - Planted Red Pine | Poletimber Well | 9.1 | 50 | 171-200 | |
| 37 | 4123 - Red Oak | Sawtimber Well | 14.0 | 96 | 51-80 | -5 spot- 2/2acre spots cut in 2001 |
| 38 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 10.1 | 63 | 81-110 | -appears that they cut out aspen in the east half which is 42 yrs old -west half aspen is same age as the pine, still even aged |
| 40 | 42110 - Planted Red Pine | Sawtimber Well | 9.3 | 79 | 111-140 | -past treatment- thinning- cut all aspen, jp, mhwd -completion date- 4/13/81 -sale number- 70-80 -leave trees- rp and a few marked jp -volume (cde)- 90% jp, 10% mhwd |
| 41 | 42110 - Planted Red Pine | Sawtimber Well | 7.2 | 79 | 81-110 | -past treatment- thinning (RX was for shelterwood)- cut all yellow trees and aspen, rm, and jp over 4 inches, no tree-length skidding- residual BA 80 -completion date- 8/2/10 -sale number- 54-054-09-01 -leave trees- unmarked rp and oak -volume (cde)- 90% RP |
| 42 | 42260 - Natural Pine, Mixed Deciduous | Sawtimber Poor | 10.6 | 65 | 1-50 | -underburned rp -heavier to wp in south end of stand -burn resulted in high natural jp; merge 19 with 42 |
| 43 | 4123 - Red Oak | Sawtimber Medium | 34.9 | 82 | 51-80 | -part of ocqueoc falls campground/recreation area -a locked gate and two-track to north end of stand requires recreation passport -aspen west of N-S trail were not cut -past treatment- thinning (more of a shelterwood cut)- cut all trees except oak, rp, wp, and maple -completion date- 05/03/01 (operating period- sept. 30-april 30) -sale number- 54-020-00-01 -leave trees- oak, rp, wp, and maple -volume (cde)- bta 240 |
| 44 | 4134 - Aspen, Spruce/Fir | Sawtimber Well | 17.1 | 84 | 81-110 | -slopes 10-20% to creek to east -East half contains 3-4 acres of northern hwd, kept in aspen stand as an inclusion -cedar saplings along the road/forest edge |
| 45 | 42250 - Pine, Oak | Sawtimber Well | 16.5 | 74 | 81-110 | -some legacy rp mixed in stand; variable sizes in trees; semi open stand -north half of stand is more open, BA is lower -past treatment- thinning- cut all trees and left all rp, wp, and oak -completion date- 1/10/02 -sale number- 54-018-00-01 -leave trees- all rp, wp, and oak -volume (cde)- rm 25, bta 25, jp 135 |
| 46 | 4139 - Aspen, Mixed Deciduous | Sawtimber Well | 7.4 | 63 | 51-80 | -area in middle has younger aspen, oak are definitively older -some young pole red oak and aspen to se as well -stream to the south (3-5ft wide) |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|--|------------------|-------|-----------|----------|--|
| 47 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Poor | 3.5 | 48 | 1-50 | -WET DRAINAGE -ash is dead; scattered conifer and deciduous left; too wet; stagnant growth |
| 48 | 4130 - Aspen | Poletimber Well | 63.0 | 34 | 51-80 | -INTERMITTENT STREAM FLOWS THROUGH THE STAND- past treatment- clearcut, all aspen and mixed hwd-completion date- 12/4/84-sale number- 54-018-81-01-leave trees- none-volume (cgs)- 80% aspen, 15% mhwd, 5% mswd; treated older strip on aspen along roadway as an inclusion to existing stand |
| 49 | 4110 - Sugar Maple Association | Sawtimber Well | 22.8 | 83 | 111-140 | -past treatment- thinning- cut all aspen and marked yellow trees -completion date- 12/11/80 -sale number- 49-80A -leave trees- all other trees -volume (cgs)- 77% mhwd, 23% aspen |
| 52 | 4134 - Aspen, Spruce/Fir | Sawtimber Medium | 5.3 | 93 | 81-110 | -INTERMITTENT STREAM.; log old aspen over pole cedar and fir; aspen are extremely rotten, over 80% showing rot; stream surrounding stand on e and n |
| 53 | 4319 - Mixed Upland Forest | Sawtimber Well | 2.9 | 102 | 141-170 | -narrow intermittent creek to south end that flows across the road through a culvert |
| 54 | 6112 - Lowland Aspen | Poletimber Well | 6.3 | 37 | 51-80 | -significant drainage flows through stand |
| 55 | 4319 - Mixed Upland Forest | Sawtimber Well | 11.8 | 103 | 111-140 | -appears to be a transitional stand with significance of cedar, mostly in middle e-w; very mixed in species and ages but not unevenaged |
| 56 | 4123 - Red Oak | Sawtimber Well | 48.5 | 88 | 81-110 | -ne half has more ro and wp |
| 57 | 42110 - Planted Red Pine | Sawtimber Well | 20.2 | 54 | 141-170 | -planted 10/12/62 775 rp/acre with kilfer plow & oliver AG-6- past treatment- 3rd row thin-completion date- 10/31/06-sale number- 54-004-00-01-leave trees- all other trees-volume (cgs)- 153 rp, 4, jp, 18 mhwd-\$200 credit for logger to move camper in sale |
| 58 | 42210 - Natural Red Pine | Sawtimber Medium | 2.7 | 89 | 81-110 | |
| 59 | 6132 - Mixed Lowland Forest with Cedar | Sawtimber Medium | 7.5 | 81 | 81-110 | -scattered large declining aspen over cedar fir |
| 60 | 4131 - Aspen, Oak | Poletimber Well | 23.3 | 42 | 51-80 | -south leg of stand has more conifer and lower ground but this area was of similar age and added as an inclusion, not worth separating out |
| 61 | 4133 - Aspen, Mixed Pine | Poletimber Well | 27.5 | 27 | 51-80 | -SCATTERD PINE |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|--|------------------|-------|-----------|----------|---|
| 62 | 42250 - Pine, Oak | Sawtimber Medium | 28.2 | 74 | 51-80 | -some legacy rp mixed in stand; variable sizes in trees; semi open stand -north half of stand is more open, BA is lower -past treatment- thinning- cut all trees and left all rp, wp, and oak -completion date- 1/10/02 -sale number- 54-018-00-01 -leave trees- all rp, wp, and oak -volume (cds)- rm 25, bta 25, jp 135 |
| 63 | 42210 - Natural Red Pine | Sawtimber Well | 48.3 | 63 | 111-140 | -heavier to wp in south end of stand-scattered older rp 20-40 years, not the dominant age; scattered pine pockets throughout, more common in n half, ne leg east of road is 30 ys older, added in as an inclusion |
| 64 | 4310 - Pine, Oak Mix | Sawtimber Well | 12.9 | 61 | 81-110 | OPIC - FMD: STEEP BANK ALONG OCQUEOC RIVER; |
| 66 | 42120 - Planted Jack Pine | Sapling Well | 30.5 | 22 | 1-50 | -past treatment- clearcut- cut all trees -completion date- 10/15/90 -sale number- 54-047-89-01 -leave trees- none -volume (cds)- 451 jp, 209 rp, 38 mo, 10 qa, 36 rm, 58.6 mbf rp (stands 68 and 66) -10/1994 planted ITASCA Minnesota nursery jp 1180 trees/acre) jd 740 skidder with tts trencher |
| 68 | 42120 - Planted Jack Pine | Sapling Well | 17.5 | 23 | 1-50 | -past treatment- clearcut- cut all trees-completion date- 10/15/90-sale number- 54-047-89-01-leave trees- none-volume (cds)- 451 jp, 209 rp, 38 mo, 10 qa, 36 rm, 58.6 mbf rp (stands 68 and 66)-10/1994 planted ITASCA Minnesota nursery jp 1180 trees/acre) jd 740 skidder with tts trencher |
| 69 | 42221 - Natural Jack Pine, Mixed Deciduous | Poletimber Well | 5.6 | 45 | 51-80 | |
| 70 | 42220 - Natural Jack Pine | Sapling Well | 24.3 | 16 | Immature | -Stand is natural jack pine with an aspen mix. Per discussions with the unit and Jim Bielecki, this stand has been changed to natural regeneration (reproduction adequate- no conversion). The stand is natural jack pine with an aspen mix. FTP C-54-722 has been canceled." -past treatment- clearcut- cut all jp, rm, and aspen -completion date- 12/18/00 -sale number- 54-005-00-01 -leave trees- bf, rp, wp, and green trees -volume (cds)- 326 jp, 20 rm, 7 aspen (stands 70 and 169) |
| 71 | 4131 - Aspen, Oak | Sawtimber Well | 3.1 | 92 | 81-110 | -STEEP BANK ALONG OCQUEOC RIVER. |
| 73 | 42140 - Planted Mixed Pine | Poletimber Well | 8.3 | 50 | 81-110 | -site prep was poor or trees died in this area -variable stand |
| 74 | 4110 - Sugar Maple Association | Poletimber Well | 10.0 | 78 | 81-110 | -past treatment- clearcut, all aspen -completion date- 12/4/84 -sale number- 54-018-81-01 -leave trees- non-aspen -volume (cds)- 100% aspen |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|--|-------------------|-------|-----------|-------------|---|
| 77 | 4139 - Aspen, Mixed Deciduous | Sawtimber Well | 27.5 | 62 | 81-110 | -past treatment- thinning- cut all aspen and marked yellow trees -completion date- 12/11/80 -sale number- 49-80A -leave trees- all other trees -volume (cgs)- 77% mhwd, 23% aspen |
| 78 | 429 - Mixed Upland Conifers | Sawtimber Medium | 4.3 | 79 | 81-110 | -younger jp bad aspen inclusions to far east; assume cut out during past thinning; due to upland steep hilt inclusion, stand is not primarily jack pine, otherwise this is a jp stand |
| 81 | 42210 - Natural Red Pine | Sawtimber Well | 5.3 | 65 | 81-110 | -past treatment- clearcut- cut all jp, aspen, and rp marked with yellow paint -completion date- 12/9/80 -sale number- 29-80 -leave trees- other trees -volume (cgs)- 90% jp, 7% aspen, 3% rp -disking jp record- 1954; mixed ages in rp but primarily evenaged |
| 82 | 42290 - Natural Mixed Pine | Poletimber Medium | 5.8 | 49 | 51-80 | -past treatment- clearcut- cut all jp, aspen, and rp marked with yellow paint -completion date- 12/9/80 -sale number- 29-80 -leave trees- other trees -volume (cgs)- 90% jp, 7% aspen, 3% rp ; mixed ages but predominately 2 aged; mostly wp east of trail |
| 85 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Poor | 6.0 | 92 | 81-110 | -INTERMITTENT STREAM; -ash is 50% of canopy but is assumed all dead leaving moderate to low amounts of conifer with ash coming in with fir; too wet; stagnant or suppressed growth |
| 89 | 42220 - Natural Jack Pine | Poletimber Medium | 2.2 | 82 | Unspecified | -2006 JARVIS ROAD FIRE. FIRE STARTED IN THIS STAND BY CAMPERS. |
| 90 | 42210 - Natural Red Pine | Sawtimber Well | 2.8 | 87 | 111-140 | -older pocket of natural red pine -tall and skinny -high recreational use and scenic value along river |
| 92 | 6120 - Lowland Cedar | Sawtimber Well | 9.5 | 106 | 141-170 | |
| 93 | 4199 - Other Mixed Upland Deciduous | Sawtimber Well | 4.6 | 88 | 51-80 | -hemlock in sw portion |
| 96 | 4130 - Aspen | Sawtimber Well | 3.3 | 88 | 51-80 | |
| 98 | 6120 - Lowland Cedar | Sawtimber Well | 5.9 | 105 | 111-140 | |
| 99 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Medium | 11.9 | 105 | 51-80 | -highly variable stand |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-----|-----------------------------------|----------------------|-------|--------------|-------------|---|
| 106 | 4132 - Aspen, Jack Pine | Poletimber Well | 11.4 | 34 | 1-50 | -original inventory listed 44 as age....check in field.-past treatment- clearcut- cut all jp, aspen, oak, mhwd, and mswd. cut all rp and wp with orange paint-completion date- 11/22/83- sale number- 36-80A-leave trees- rp and wp-volume (cds)- 62% jp, 14% aspen, 8% oak, 6% rp, 4% mhwd, 4% mswd, 2% wp |
| 134 | 4136 - Aspen, Mixed Conifer | Sawtimber Well | 14.8 | 76 | 81-110 | -mixed ages in aspen, younger in north and older in south |
| 163 | 42290 - Natural Mixed Pine | Poletimber Medium | 2.3 | 28 | 1-50 | -drastically different age than surrounding stands |
| 169 | 42220 - Natural Jack Pine | Sapling Medium | 11.7 | 16 | 1-50 | -past treatment- clearcut- cut all jp, rm, and aspen -completion date- 12/18/00 -sale number- 54-005-00-01 -leave trees- cherry, oak, rp, wp, and green trees -volume (cds)- 326 jp, 20 rm, 7 aspen (stands 70 and 169) |
| 170 | 42290 - Natural Mixed Pine | Sawtimber Well | 7.8 | 67 | 141-170 | -past treatment- clearcut- cut all jp, rm, and aspen -completion date- 12/18/00 -sale number- 54-005-00-01 -leave trees- cherry, oak, rp, wp, and green trees -volume (cds)- 326 jp, 20 rm, 7 aspen (stands 70 and 169) |
| 249 | 4110 - Sugar Maple Association | Sawtimber Well | 8.6 | 84 | 51-80 | -extreme deer browse on all new regeneration..... -past treatment- thinning- cut all aspen and marked yellow trees -completion date- 12/11/80 -sale number- 49-80A -leave trees- all other trees -volume (cds)- 77% mhwd, 23% aspen -past treatment- selection- cut all yellow trees -completion date- 8/6/12 -sale number- 54-053-09-01 -leave trees- unmarked trees (res BA 85) -volume (cds)- 90% RP |
| 266 | 42210 - Natural Red Pine | Sawtimber Well | 2.2 | 67 | 81-110 | |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|------------------------------------|-------|--------------|---|
| 3 | 6225 - Bog | 3.2 | No | |
| 17 | 6220 - Alder/willow | 68.3 | No | -LITTLE OCQUEOC RIVER FLOWS THROUGH STAND. |
| 19 | 122 - Road/Parking Lot | 7.9 | No | |
| 20 | 6229 - Mixed lowland shrub | 6.3 | No | |
| 27 | 6220 - Alder/willow | 5.1 | No | |
| 30 | 3303 - Mixed Low Density Trees | 3.9 | No | |
| 33 | 3303 - Mixed Low Density Trees | 3.5 | No | |
| 36 | 790 - Other Bare/Sparsely Vegetate | 0.9 | No | |
| 39 | 122 - Road/Parking Lot | 8.4 | No | |
| 50 | 6233 - Wet Meadow | 2.6 | No | -marsh |
| 65 | 122 - Road/Parking Lot | 0.9 | No | -snowmobile trail parking lot |
| 67 | 622 - Lowland Shrub | 1.2 | No | |
| 72 | 6220 - Alder/willow | 2.1 | No | |
| 79 | 6224 - Treed Bog | 3.7 | No | |
| 80 | 6229 - Mixed lowland shrub | 1.7 | No | |
| 84 | 122 - Road/Parking Lot | 3.9 | No | |
| 91 | 622 - Lowland Shrub | 1.0 | No | -alder with 3-5ft creek tributary off ocqueoc |
| 94 | 6224 - Treed Bog | 1.0 | No | |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|------------------------------------|-------|--------------|--|
| 95 | 790 - Other Bare/Sparsely Vegetate | 0.0 | No | OPIC - FMD: OI Stand Year Origin was |
| 97 | 6224 - Treed Bog | 2.8 | No | -leatherleaf |
| 105 | 3303 - Mixed Low Density Trees | 0.9 | No | -DEER CAMP WITH TRASH |
| 141 | 6220 - Alder/willow | 1.8 | No | -SMALL "L" TYPE BETWEEN LINCOLN RD AND M-68. |
| 143 | 790 - Other Bare/Sparsely Vegetate | 1.1 | No | |
| 145 | 6239 - Mixed Emergent Wetland | 13.6 | No | -mix of water, lowland shrub, with majority of surface as marsh bordering river |
| 166 | 3302 - Low Density Conifer Trees | 1.1 | No | |
| 268 | 3301 - Low Density Deciduous Tree | 0.9 | No | |
| 349 | 310 - Herbaceous Openland | 5.6 | Yes | |
| 439 | 3301 - Low Density Deciduous Tree | 1.3 | No | -ADJACENT TO OCQUEOC FALLS CAMPGROUND AND DAY USE AREA. MAY HAVE HISTORICAL VALUE? |
| 444 | 3102 - Grass | 1.4 | No | -APPLE TREE. OVERLOOKS OCQUEOC FALLS CAMPGROUND. |
| 449 | 3102 - Grass | 6.0 | No | -OLD CLEARED FARM FIELD. |