



Compartment Review Presentation

Grayling Forest Management Unit

Compartment 72019

Entry Year 2019

Acreage: 1,966

County Oscoda

Management Area: AuSable Outwash

Revision Date: 2017-09-05

Stand Examiner: Thomas Barnes

Legal Description:

T28N, R01E, Sections: 24, 25, and 36, North Greenwood Township; T28N, R02E, Sections: 30 and 31, North Elmer Township

Identified Planning Goals:

To improve forest health, productivity, sustainability, and account for species and structural diversity throughout the State of Michigan by actively managing flora and fauna, while providing for multiple use and visual management.

Soil and topography:

Topography is flat to slightly rolling with drainages and depressions. Soils are primarily Grayling and Graycalm sands. These soils are excessively to somewhat excessively drained. The common trees found on these types of soils are jack pine, northern pin oak, white oak, red pine, white pine, and aspen.

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

The compartment is a mixture of state and private ownership. Private lands are primarily recreational with a few year-round residences. There is a privately owned cervid facility adjacent to the compartment in the northwest.

Unique Natural Features:

There is potential for dry prairie plants in grassy openings: Hill's thistle, rough fescue, Alleghany plum, and pale agoseris. There is potential for several animals of concern in this compartment: Kirtland's warbler, prairie warbler, secretive locust, dusted skipper, grizzled skipper, and the red legged spittle bug.

Archeological, Historical, and Cultural Features:

Some known occurrences.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

The headwaters of Wright Creek are located within the compartment.

Wildlife Habitat Considerations:

Various habitat types present themselves. Swamp conifer and mixed pine stands provide thermal cover for deer and grouse. The younger aspen stands and upland brush types provide areas for browse and cover. Scattered oak is found throughout the compartment and provides a mast source. There are several areas with grassy openings. Current compartment prescriptions will help to maintain the aspen and oak components. Two hunter walking trails will be created following harvest.

Mineral Resource and Development Concerns and/or Restrictions

Sand/gravel pits are not located in the area, but there appears to be good sand and gravel potential within the compartment. Some of the compartment has been developed for the Antrim Shale. Most of the wells in and around the compartment have been plugged and abandoned. There are still some remaining active leases within the compartment that are held by production. The compartment is at the southern edge of the Antrim play, and wells in this area tend to be less productive. The compartment is unlikely to experience further Antrim development in the near future. There is no metallic mineral potential in this part of the state..

Vehicle Access:

The compartment is easily accessed by maintained county roads which follow the section lines. There are several two-tracks and trails meandering throughout the compartment as well.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

Designated snowmobile trails #4 & #9 is located along the south boundary of Section 31. Dispersed recreation occurs throughout the compartment due to the close proximity of Garland Resort.

Fire Protection:

Access is adequate but, equipment limitations within the compartment could be a problem because of swampy terrain. Stand 69 is a fuel break and stand 88 was created for a fuel break

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

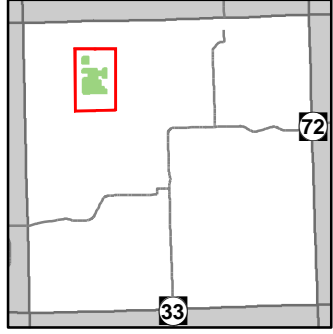
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

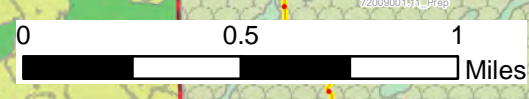
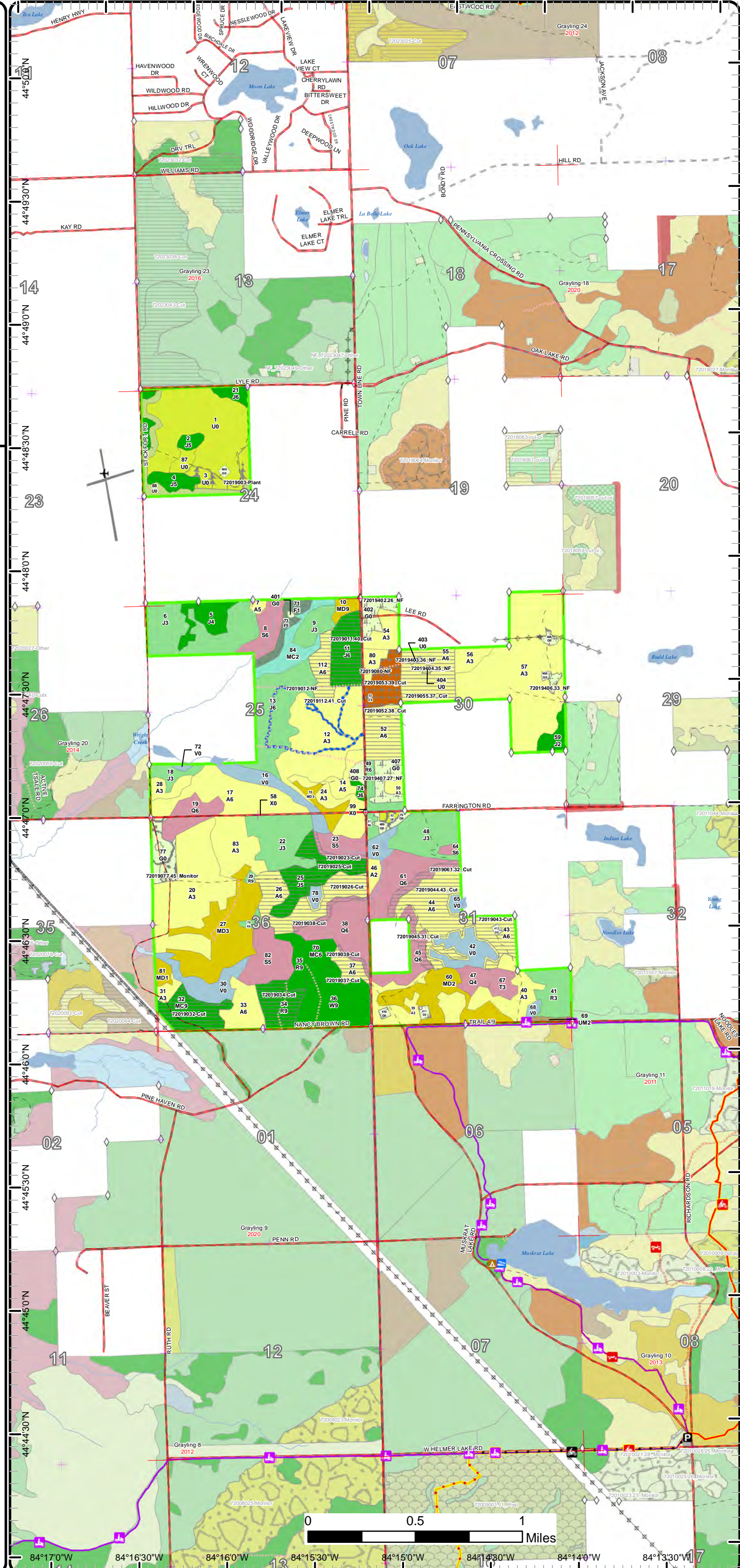
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 19
 T28N, R01E, Sec. 24-25, 36
 T28N, R02E, Sec. 30-31
 County: Oscoda
 Unit: Grayling
 Mgmt Area: AuSable Outwash
 YOE: 2019
 Acres: 1966.2 GIS Calculated
 Examiner: Thomas Barnes
 Map Revised: 3/13/2018 Map
 Phase: Post-Review



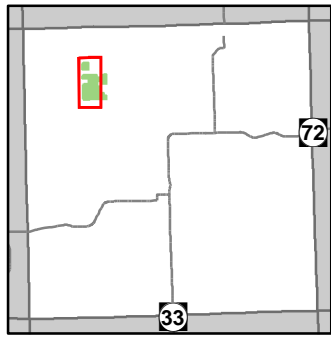
- Boat Access Sites
- Miris Corners
- Remonumented Section Corners
- Field Grade GPS Corners
- Counties
- Berms
- Airport
- Boating Access Site
- Campground
- MCCCT Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Paved Roads
- County Gravel Roads
- Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Pipeline
- Powerline
- Airports
- Compartment Boundary
- Treatments with Site Conditions
- Other Treatment - See Comments
- Planting (tree species)
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Regeneration Survey
- 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
- 612 - Lowland Coniferous Forest
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- Lakes



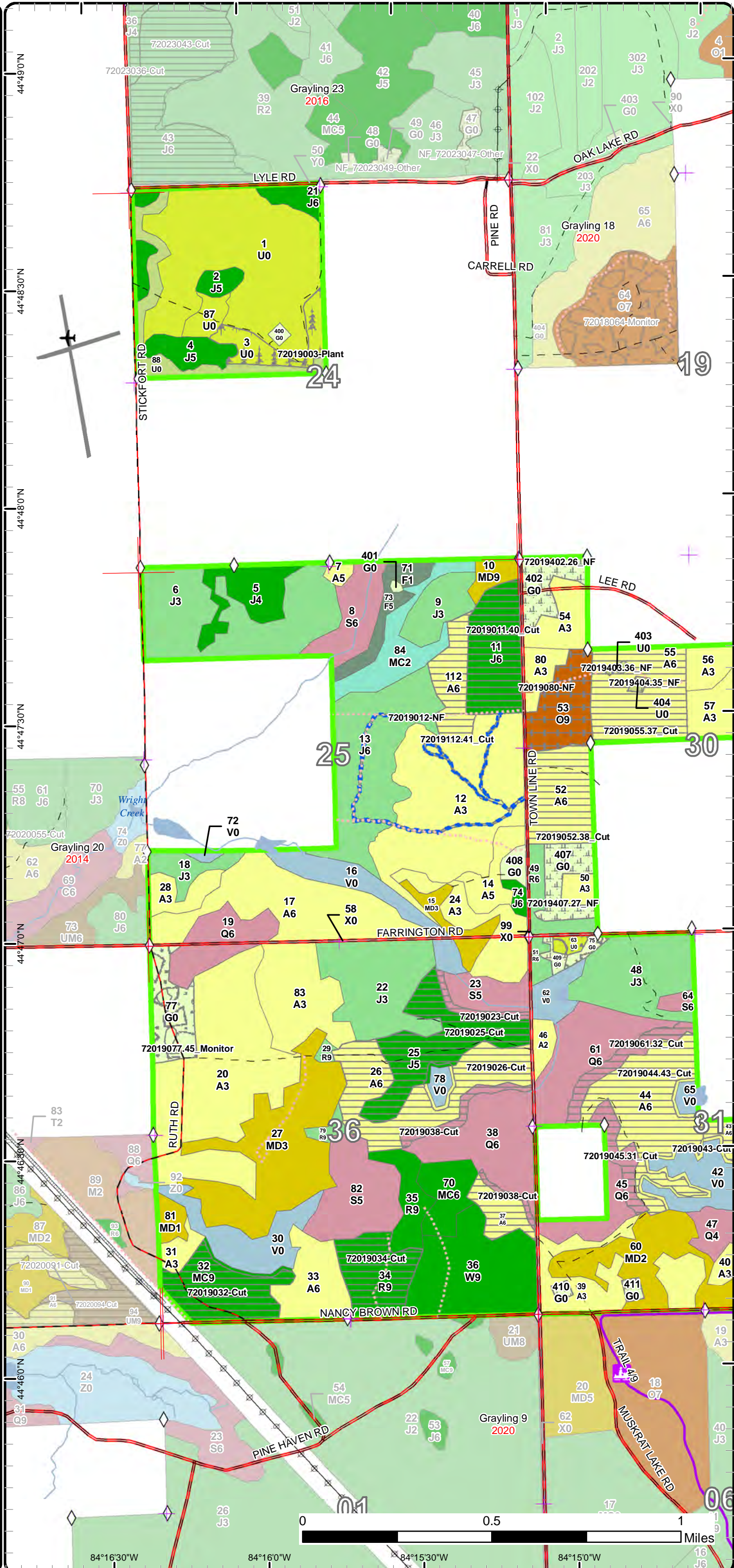
84°17'0"W 84°16'30"W 84°16'0"W 84°15'30"W 84°15'0"W 84°14'30"W 84°14'0"W 84°13'30"W

Cover Type & Treatments Map

Compartment: 19
 T28N, R01E, Sec. 24-25, 36
 T28N, R02E, Sec. 30-31
 County: Oscoda
 Unit: Grayling
 Mgmt Area: AuSable Outwash
 YOE: 2019
 Acres: 1966.2 GIS Calculated
 Examiner: Thomas Barnes
 Map Revised: 3/13/2018 Map
 Phase: Post-Review

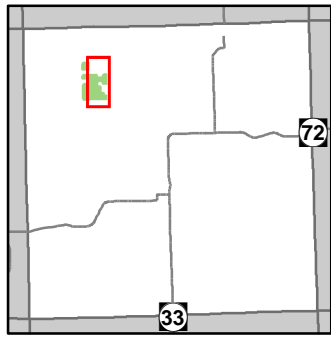


- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- ▲ Berms
- ✈ Airport
- Snowmobile Trails
- Designated Snowmobile Trails
- Paved Roads
- County Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- - - Closed
- Streams
- Lakes and Rivers All
- Pipeline
- Powerline
- Airports
- Compartment Boundary
- Treatments with Site Conditions
- Other Treatment - See Comments
- Planting (tree species)
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Regeneration Survey
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 612 - Lowland Coniferous Forest
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- Lakes

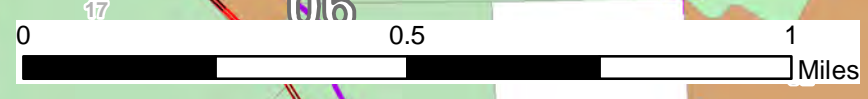
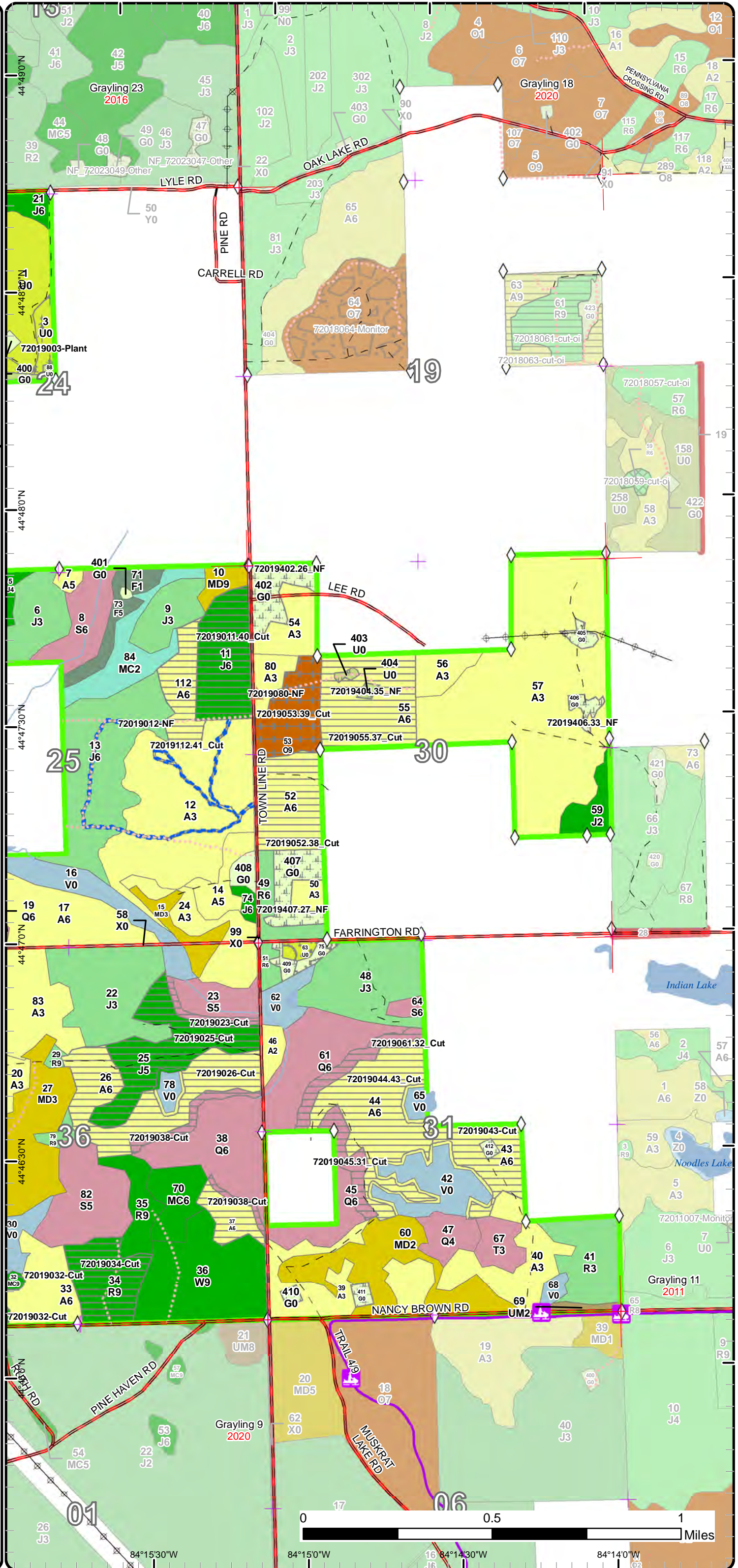


Cover Type & Treatments Map

Compartment: 19
 T28N, R01E, Sec. 24-25, 36
 T28N, R02E, Sec. 30-31
 County: Oscoda
 Unit: Grayling
 Mgmt Area: AuSable Outwash
 YOE: 2019
 Acres: 1966.2 GIS Calculated
 Examiner: Thomas Barnes
 Map Revised: 3/13/2018 Map
 Phase: Post-Review



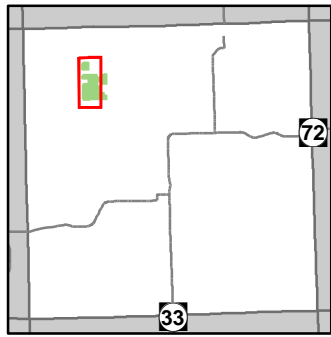
- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- Berms
- Snowmobile Trails
- Designated Snowmobile Trails
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Other Treatment - See Comments
- Planting (tree species)
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Regeneration Survey
- 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
- 612 - Lowland Coniferous Forest
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- Lakes



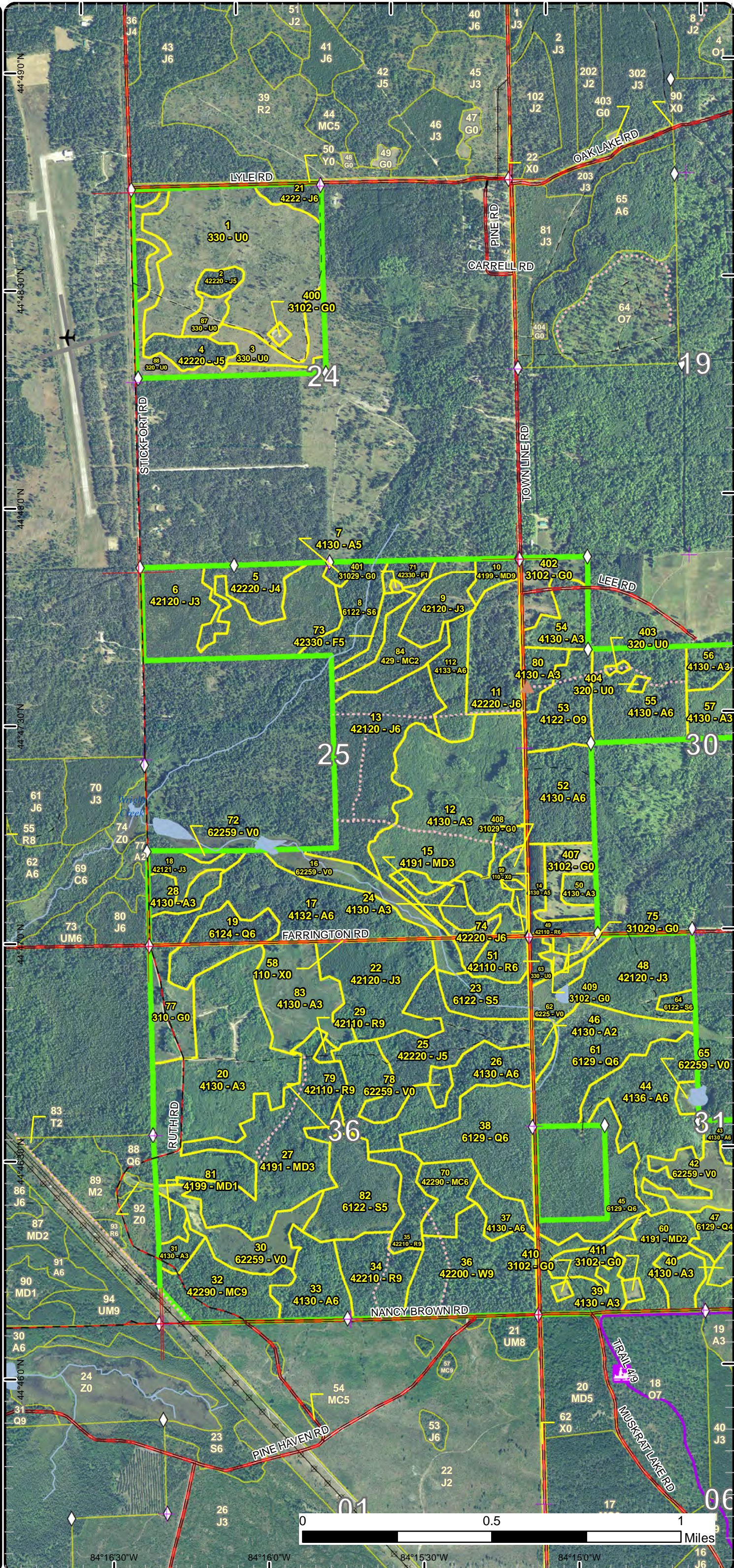
84°15'30"W 84°15'0"W 84°14'30"W 84°14'0"W

Stand Boundary Map

Compartment: 19
 T28N, R01E, Sec. 24-25, 36
 T28N, R02E, Sec. 30-31
 County: Oscoda
 Unit: Grayling
 Mgmt Area: AuSable Outwash
 YOE: 2019
 Acres: 1966.2 GIS Calculated
 Examiner: Thomas Barnes
 Map Revised: 3/13/2018 Map
 Phase: Post-Review

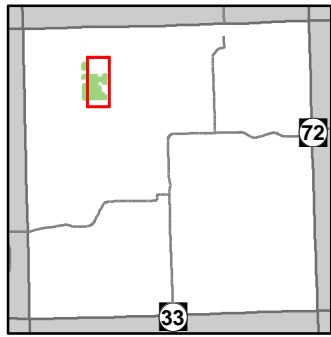


- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- ▲ Berms
- ✈ Airport
- Snowmobile Trails
- Designated Snowmobile Trails
- Paved Roads
- County Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- - - Closed
- Streams
- Lakes and Rivers All
- Pipeline
- Powerline
- ✈ Airports
- Compartment Boundary
- Stand Boundaries
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 612 - Lowland Coniferous Forest
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub

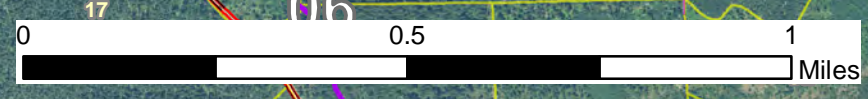
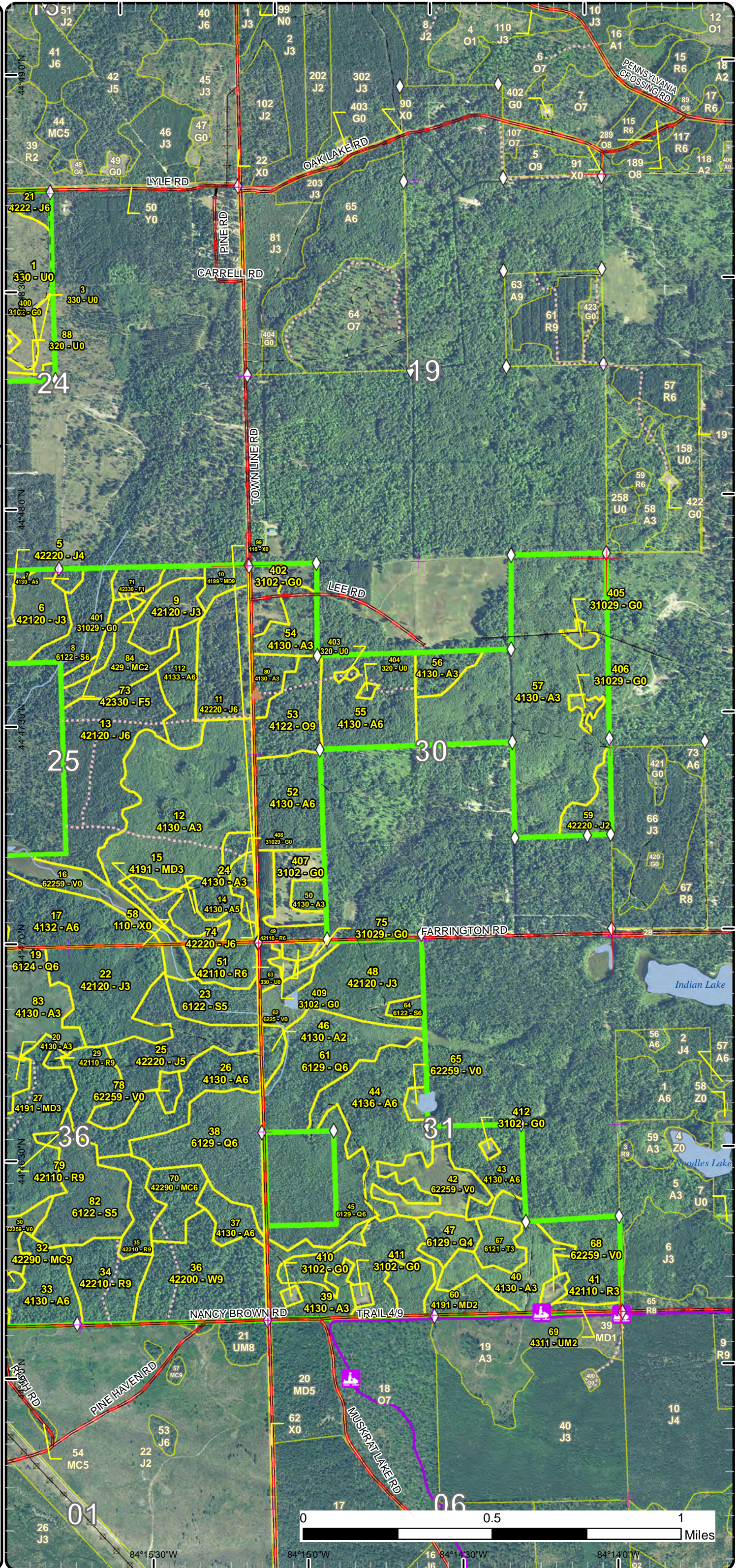


Stand Boundary Map

Compartment: 19
 T28N, R01E, Sec. 24-25, 36
 T28N, R02E, Sec. 30-31
 County: Oscoda
 Unit: Grayling
 Mgmt Area: AuSable Outwash
 YOE: 2019
 Acres: 1966.2 GIS Calculated
 Examiner: Thomas Barnes
 Map Revised: 3/13/2018 Map
 Phase: Post-Review



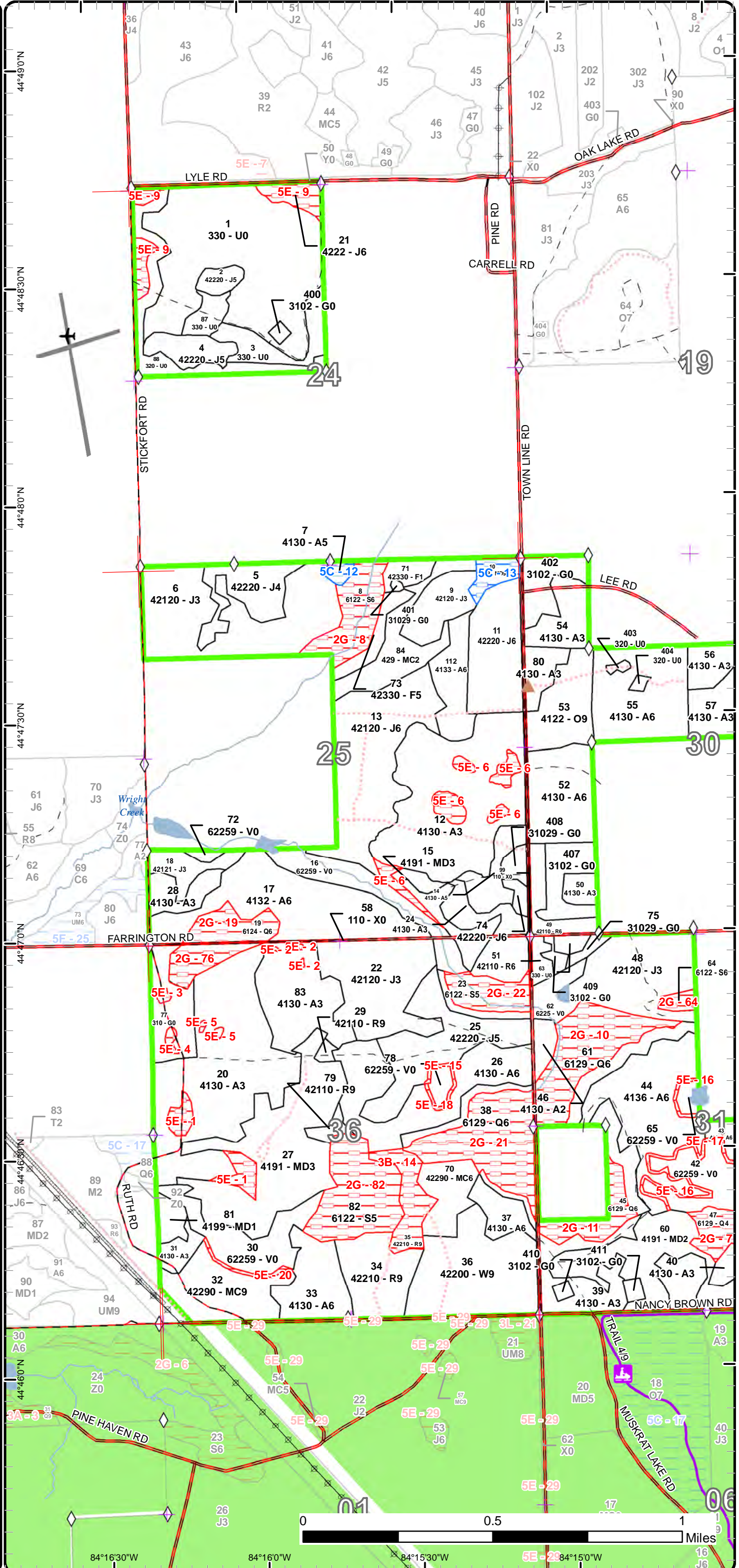
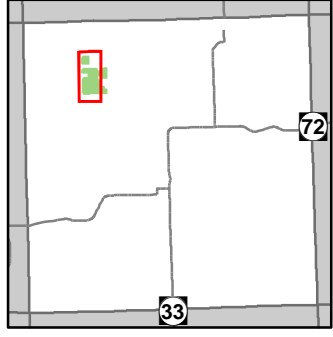
- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- ▲ Berms
- Snowmobile Trails
- Designated Snowmobile Trails
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- - - Closed
- Streams
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Stand Boundaries
- 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
- 612 - Lowland Coniferous Forest
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub



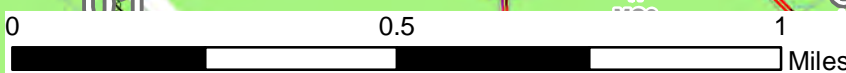
84°15'30" W 84°15'0" W 84°14'30" W 84°14'0" W

Special Conservation Areas & Site Conditions Map

Compartment: 19
 T28N, R01E, Sec. 24-25, 36
 T28N, R02E, Sec. 30-31
 County: Oscoda
 Unit: Grayling
 Mgmt Area: AuSable Outwash
 YOE: 2019
 Acres: 1966.2 GIS Calculated
 Examiner: Thomas Barnes
 Map Revised: 3/13/2018 Map
 Phase: Post-Review



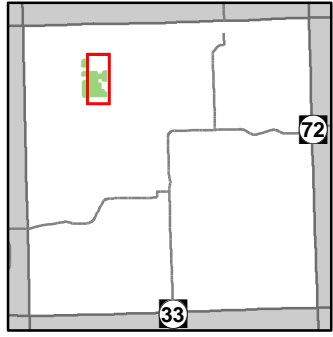
- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- ▲ Berms
- ✈ Airport
- 🚗 Snowmobile Trails
- 🚗 Designated Snowmobile Trails
- Paved Roads
- County Gravel Roads
- County Poor Dirt Roads
- - Poor Dirt Roads
- ⋯ Closed
- Streams
- Lakes and Rivers All
- Pipeline
- ⚡ Powerline
- ✈ Airports
- 🟩 Compartment Boundary
- 🟦 Available w/ Constraints
- 🔴 Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- ▭ Stand Boundaries
- 🟩 Kirtland Warbler Habitat
- 🟦 Cold Water Streams
- 🟢 Cold Water Lakes



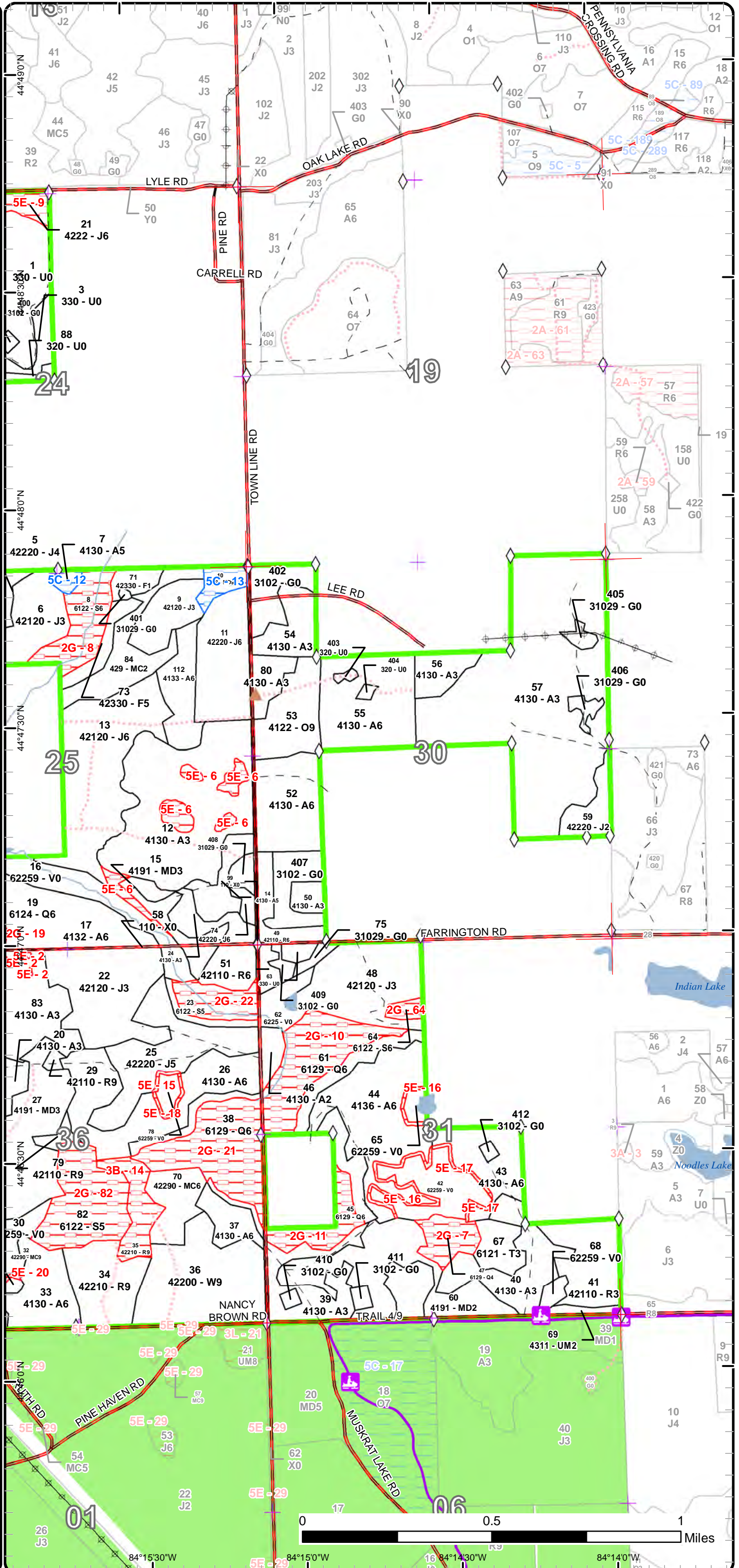
84°16'30"W 84°16'0"W 84°15'30"W 84°15'0"W

Special Conservation Areas & Site Conditions Map

Compartment: 19
 T28N, R01E, Sec. 24-25, 36
 T28N, R02E, Sec. 30-31
 County: Oscoda
 Unit: Grayling
 Mgmt Area: AuSable Outwash
 YOE: 2019
 Acres: 1966.2 GIS Calculated
 Examiner: Thomas Barnes
 Map Revised: 3/13/2018 Map
 Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- ▲ Berms
- Snowmobile Trails
- Designated Snowmobile Trails
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- - - Closed
- Streams
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- Kirtland Warbler Habitat
- Cold Water Streams



Thomas Barnes : 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 | 252 | 48 | 177 | 0 | 188 | 103 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 770 |
| Bog | 81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 81 |
| Herbaceous Openland | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 |
| Jack Pine | 0 | 0 | 83 | 87 | 57 | 17 | 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 341 |
| Low-Density Trees | 114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 114 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 113 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133 |
| Lowland Spruce/Fir | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 46 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 |
| Mixed Upland Deciduous | 0 | 0 | 9 | 109 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 124 |
| Natural Mixed Pines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 |
| Oak | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| Red Pine | 0 | 0 | 0 | 24 | 0 | 0 | 13 | 0 | 4 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 |
| Tamarack | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Upland Conifers | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| Upland Mixed Forest | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Upland Shrub | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| Upland Spruce/Fir | 0 | 0 | 5 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Urban | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| White Pine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 |
| Total | 291 | 252 | 166 | 400 | 64 | 215 | 213 | 3 | 19 | 117 | 165 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 1963 |



Report 2 – Treatment Summary

Grayling Mgt. Unit

Year of Entry: 2019

Acres of Harvest

Compartment 19

Total Compartment Acres: 1,966

Commercial Harvest - 364
 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 | 197 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 197 |
| Jack Pine | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 |
| Lowland Conifers | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| Lowland Spruce/Fir | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Natural Mixed Pines | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| Oak | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 22 |
| Red Pine | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| Total | 343 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 364 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|------------|------------|-----------|----------|----------|-----------|------------|----------|-----------------|-------------|
| Current | 364 | 0 | 14 | 0 | 0 | 0 | 21 | 0 | 43 | 443 |
| Next Step | 0 | 102 | 51 | 0 | 0 | 51 | 445 | 0 | 105 | 755 |
| Total | 364 | 102 | 65 | 0 | 0 | 51 | 466 | 0 | 149 | 1198 |



| Stand | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-------|----------------|-------|-------------------------|--------------|-----------|----------|----------------|------------------|-------------------------|---------------|----------------------|
| 3 | 72019003-Plant | 13.7 | 330 - Low-Density Trees | Nonstocked | | | Planting | Replant | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |

Habitat Cut: No

Site Condition:

Prescription supplemental plant RP where 2014 planting is inadequate
Specs:

Next Step Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)
Treatments:

Acceptable moderate stocking in planted RP
Regen:

Other
Comment:

Proposed Start Date: 02/12/2018

| | | | | | | | | | | | |
|----|-----------------|------|---------------------------|-----------------|----|--------|---------|-------------------------|-------------------------|-----------|----------------------|
| 11 | 72019011.40_Cut | 29.2 | 42220 - Natural Jack Pine | Poletimber Well | 51 | 81-110 | Harvest | Clearcut with Retention | 4132 - Aspen, Jack Pine | Even-Aged | Draft Field Boundary |
|----|-----------------|------|---------------------------|-----------------|----|--------|---------|-------------------------|-------------------------|-----------|----------------------|

Habitat Cut: No

Site Condition:

Prescription Final harvest, following standard retention and woody biomass guidelines. Focus retention away from stand 112 to allow for aspen expansion.
Specs: Include grouse specs and low stump spec. Some retention could be put near townline road.

Next Step Monitoring, Natural Regen (Re-Inventory); NonForestMgt, Other - Specify
Treatments:

Acceptable Mixed stand of jack pine and aspen with other associated species, meeting minimum stocking levels. If natural jack pine regen fails then plant to red pine as a secondary plan.
Regen:

Other Convert haul/closed road into a hunter walking trail. Tie into the trail system that is going through stand 112. Utilize as a hunting trail until stand is ready for harvest. Gate trail just off Townline Road. Also tie into road/trail in stand 12.
Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|----|-------------|-----|--------------|--------------|---|-----------|--------------|-----------------|--------------|--|----------------------|
| 12 | 72019012-NF | 4.9 | 4130 - Aspen | Sapling Well | 7 | Immatu re | NonForestMgt | Other - Specify | 3102 - Grass | | Draft Field Boundary |
|----|-------------|-----|--------------|--------------|---|-----------|--------------|-----------------|--------------|--|----------------------|

Habitat Cut: No

Site Condition: Long-Term Retention

Prescription Convert old haul/skid trails into a hunter walking trail. Plant appropriate mix that is beneficial to wildlife species. Tie into the trail system that is going through stand 112. Utilize as a hunting trail until stand is ready for harvest. Gate trail just off Townline Road. Also tie into road/trail in stand 12.
Specs:

Next Step
Treatments:

Acceptable Planting mixture that is beneficial to wildlife.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|--------------|-----|---------------------|-------------------|----|-------|---------|----------|--|-----------|----------------------|
| 23 | 72019023-Cut | 3.6 | 6122 - Black Spruce | Poletimber Medium | 96 | 51-80 | Harvest | Clearcut | 6128 - Lowland Coniferous, Mixed Deciduous | Even-Aged | Draft Field Boundary |
|----|--------------|-----|---------------------|-------------------|----|-------|---------|----------|--|-----------|----------------------|

Habitat Cut: No

Site Condition:

Prescription Final harvest with no retention due to size and to maximize regeneration and expansion of aspen. Include grouse and hare specs. Limiting factor could be standing water.
Specs:

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

Acceptable Medium to well stocked stand of lowland species mixed with aspen and other species.
Regen:

Other
Comment:

Proposed Start Date: 06/07/2017



| 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 |
|-----------------------|----------------|-------|---------------------------|-------------------|-----------|----------|----------------|-------------------------|--------------------------|---------------|----------------------|
| 25 | 72019025-Cut | 35.5 | 42220 - Natural Jack Pine | Poletimber Medium | 51 | 51-80 | Harvest | Clearcut with Retention | 4222 - Natural Jack Pine | Even-Aged | Draft Field Boundary |

Habitat Cut: No

Site Condition:

Prescription Final harvest, following standard retention and woody biomass guidelines. Focus retention away from stand 26 to allow for aspen expansion.

Specs: Include grouse specs and low stump spec. Some retention could be put near Townline road.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Mixed stand of jack pine and aspen with other associated species, meeting minimum stocking levels. If natural jack pine regen fails then plant to red pine around areas of natural regeneration as a secondary plan.

Other Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|----|--------------|------|--------------|-----------------|----|-------|---------|-------------------------|-------------|-----------|----------------------|
| 26 | 72019026-Cut | 41.3 | 4130 - Aspen | Poletimber Well | 49 | 51-80 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Draft Field Boundary |
|----|--------------|------|--------------|-----------------|----|-------|---------|-------------------------|-------------|-----------|----------------------|

Habitat Cut: No

Site Condition:

Prescription Final harvest, follow standard retention guidelines and woody biomass guidelines. Include grouse and hare spec. Run line roughly 150 or until to wet into "Q" for harvest.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Medium to well stocked stand of aspen and mixed associated species.

Other Comment: Along "Q" type use lowland conifer species as boundary trees and drop these trees into the "Q" type during the harvest.

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|----|--------------|------|----------------------------|----------------|----|---------|---------|-------------------------|-------------------------|-----------|----------------------|
| 32 | 72019032-Cut | 27.3 | 42290 - Natural Mixed Pine | Sawtimber Well | 84 | 111-140 | Harvest | Clearcut with Retention | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |
|----|--------------|------|----------------------------|----------------|----|---------|---------|-------------------------|-------------------------|-----------|----------------------|

Habitat Cut: No

Site Condition:

Prescription Final harvest with retention, retention will be located along Stand 30. Follow woody biomass guidelines. Low stump and chipping spec will be included.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Planting, Initial Plant

Acceptable Regen: Planted at a density to ensure a well stocked red pine stand.

Other Comment:

Other Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|----|--------------|------|--------------------------|----------------|----|---------|---------|-------------------------|-------------------------|-----------|----------------------|
| 34 | 72019034-Cut | 23.8 | 42210 - Natural Red Pine | Sawtimber Well | 84 | 111-140 | Harvest | Clearcut with Retention | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |
|----|--------------|------|--------------------------|----------------|----|---------|---------|-------------------------|-------------------------|-----------|----------------------|

Habitat Cut: No

Site Condition:

Prescription Final harvest with retention, follow standard retention guidelines. Also follow woody biomass guidelines. Low stump and chipping spec will be included. Some retention could be placed along Nancy Brown Rd.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder/Mechanical; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Regen: Planted at a density to ensure a well stocked red pine plantation.

Other Comment:

Other Comment: Option to plant around areas of natural regeneration.

Other 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 |
|-----------------------|----------------|-------|-----------------|-----------------|-----------|----------|----------------|------------------|----------------------|---------------|----------------------|
| 37 | 72019037-Cut | 9.4 | 4130 - Aspen | Poletimber Well | 51 | 81-110 | Harvest | Clearcut | 413 - Aspen | Even-Aged | Draft Field Boundary |

Habitat Cut: No

Site Condition:

Prescription Final harvest, no retention to maximize regeneration and because of size. Follow woody biomass guidelines. Include grouse and hare spec.

Specs: Run line roughly 70 ft or until to wet into "Q" for harvest.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Medium to well stocked stand of aspen and mixed associated species.

Regen:

Other Along "Q" type use lowland conifer species as boundary trees and drop these trees into the "Q" type during the harvest.

Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|----|--------------|-----|--|-----------------|----|--------|---------|----------|--|-----------|----------------------|
| 38 | 72019038-Cut | 7.3 | 6129 - Mixed Coniferous Lowland Forest | Poletimber Well | 96 | 81-110 | Harvest | Clearcut | 6128 - Lowland Coniferous, Mixed Deciduous | Even-Aged | Draft Field Boundary |
|----|--------------|-----|--|-----------------|----|--------|---------|----------|--|-----------|----------------------|

Habitat Cut: No

Site Condition:

Prescription Final harvest with no retention due to size and to maximize regeneration and expansion of aspen. Include grouse and hare specs. Limiting factor could be water. Along "Q" type use lowland conifer species as boundary trees and drop these trees into the "Q" type during the harvest.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Medium to well stocked stand of lowland species mixed with aspen and other species.

Regen:

Other

Comment:

Proposed Start Date: 06/07/2017

| | | | | | | | | | | | |
|----|--------------|------|--------------|-----------------|----|--------|---------|-------------------------|-------------|-----------|----------------------|
| 43 | 72019043-Cut | 20.0 | 4130 - Aspen | Poletimber Well | 49 | 81-110 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Draft Field Boundary |
|----|--------------|------|--------------|-----------------|----|--------|---------|-------------------------|-------------|-----------|----------------------|

Habitat Cut: No

Site Condition:

Prescription Final harvest follow woody biomass guidelines. Include grouse and hare specs. Retention will be placed along the VO Stand.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Medium to well stocked stand of aspen and mixed associated species.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|----|-----------------|------|-----------------------------|-----------------|----|--------|---------|-------------------------|-------------|-----------|----------------------|
| 44 | 72019044.43_Cut | 44.3 | 4136 - Aspen, Mixed Conifer | Poletimber Well | 51 | 81-110 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Draft Field Boundary |
|----|-----------------|------|-----------------------------|-----------------|----|--------|---------|-------------------------|-------------|-----------|----------------------|

Habitat Cut: No

Site Condition:

Prescription Final harvest, follow standard retention guidelines and woody biomass guidelines. Include grouse and hare spec. Leave all red pine over 20"

Specs: dbh. Run line roughly 150 or until to wet into "Q" for harvest.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Medium to well stocked stand of aspen and mixed associated species.

Regen:

Other Along "Q" type use lowland conifer species as boundary trees and drop these trees into the "Q" type during the harvest.

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 |
|------------------------|-------|--|--------------------|-----------|----------|----------------|------------------|---|---------------|-------------------------|
| 45 72019045.31_ Cut | 8.8 | 6129 - Mixed Coniferous Lowland Forest | Poletimber Well | 96 | 81-110 | Harvest | Clearcut | 6128 - Lowland Coniferous, Mixed Deciduous | Even-Aged | Draft Field Boundary |

Habitat Cut: No

Site Condition:

Prescription Final harvest with no retention due to size and to maximize regeneration and expansion of aspen. Include grouse and hare specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Medium to well stocked stand of lowland conifer with aspen and other associated species.

Regen:

Other

Comment:

Proposed Start Date: 05/23/2017

| | | | | | | | | | | |
|------------------------|------|--------------|--------------------|----|--------|---------|----------------------------|-------------|-----------|-------------------------|
| 52 72019052.38_ Cut | 28.1 | 4130 - Aspen | Poletimber Well | 56 | 81-110 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Draft Field Boundary |
|------------------------|------|--------------|--------------------|----|--------|---------|----------------------------|-------------|-----------|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Final harvest, follow standard retention guidelines and woody biomass guidelines. Include grouse and hare spec. Focus some of the retention

Specs: island near Townline Rd. and private land.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Medium to well stocked stand of aspen with mixed associated species.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | |
|------------------------|------|------------------|-------------------|-----|-------|---------|----------------------|-------------------------------------|-----------|-------------------------|
| 53 72019053.39_ Cut | 21.8 | 4122 - Oak, Pine | Sawtimber Well | 100 | 51-80 | Harvest | Overstory Removal | 4139 - Aspen, Mixed Deciduous | Even-Aged | Draft Field Boundary |
|------------------------|------|------------------|-------------------|-----|-------|---------|----------------------|-------------------------------------|-----------|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Overstory removal, follow standard retention and woody biomass guidelines. Include grouse and 4" dbh spec. Focus retention around red pine in southern portion of stand.

Next Step Monitoring, Natural Regen (Re-Inventory); NonForestMgt, Other - Specify

Treatments:

Acceptable Aspen with mixed hardwood species meeting minimum stocking levels.

Regen:

Other

Comment: Convert haul/closed road into a hunter walking trail. Tie into the trail system that is going through stand 80 and 55. Utilize as a hunting trail until stand is ready for harvest again. Gate trail just off Townline Road.

This road will also provided access to manage two wildlife openings.

Proposed Start Date: 10/01/2018

| | | | | | | | | | | |
|------------------------|------|--------------|--------------------|----|--------|---------|----------------------------|-------------|-----------|-------------------------|
| 55 72019055.37_ Cut | 38.0 | 4130 - Aspen | Poletimber Well | 48 | 81-110 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Draft Field Boundary |
|------------------------|------|--------------|--------------------|----|--------|---------|----------------------------|-------------|-----------|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Final harvest, follow standard retention guidelines and woody biomass guidelines. Include grouse and hare spec. Focus some of the retention along private.

Next Step Monitoring, Natural Regen (Re-Inventory); NonForestMgt, Other - Specify

Treatments:

Acceptable Medium to well stocked aspen stand with mixed associated species.

Regen:

Other

Comment: Convert haul/closed road into a hunter walking trail. Tie into the trail system that is going through stand 53. Utilize as a hunting trail until stand is ready for harvest again. Gate trail just off Townline Road.

This road will also provided access to manage two wildlife openings.

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 |
|-----------------------|---------------------|-------|--|--------------------|-----------|----------|----------------|------------------|---|---------------|-------------------------|
| 61 | 72019061.32_ Cut | 9.7 | 6129 - Mixed Coniferous Lowland Forest | Poletimber Well | 96 | 81-110 | Harvest | Clearcut | 6128 - Lowland Coniferous, Mixed Deciduous | Even-Aged | Draft Field Boundary |

Habitat Cut: No

Site Condition:

Prescription Final harvest with no retention due to size and to maximize regeneration and expansion of aspen. Include grouse and hare specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Medium to well stocked stand of lowland species mixed with aspen and other species.

Regen:

Other

Comment:

Proposed Start Date: 05/23/2017

| | | | | | | | | | | | |
|----|-------------------------|-----|----------------------------|------------|--|--|------------|---------------------------------|-----------------------------|-----------|-------------------------|
| 63 | 72019063.44_ Monitor | 2.4 | 330 - Low-Density Trees | Nonstocked | | | Monitoring | Natural Regen (Re-Inventory) | 4222 - Natural Jack Pine | Even-Aged | Draft Field Boundary |
|----|-------------------------|-----|----------------------------|------------|--|--|------------|---------------------------------|-----------------------------|-----------|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Continue to monitor for regen survey. Checked in 2017 still wasn't sure if it has passed. Manage as wildlife opening if regen fails.

Specs:

Next Step

Treatments:

Acceptable Accepting poorly stocked jack pine with associated species. Jack pine does need to be present.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2020

| | | | | | | | | | | | |
|----|-------------------------|-----|--------------------|------------|--|--|------------|---------------------------------|-----------------------------|-----------|-------------------------|
| 75 | 72019075.29_ Monitor | 2.3 | 31029 - Grass (OI) | Nonstocked | | | Monitoring | Natural Regen (Re-Inventory) | 4222 - Natural Jack Pine | Even-Aged | Draft Field Boundary |
|----|-------------------------|-----|--------------------|------------|--|--|------------|---------------------------------|-----------------------------|-----------|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Continue to monitor natural regen. Manage as wildlife opening if regen fails.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Jack pine with mixed associated species meeting minimum stocking levels.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2020

| | | | | | | | | | | | |
|----|-------------------------|------|------------------------------|------------|--|-----------------|------------|---------------------------------|---|-----------|-------------------------|
| 77 | 72019077.45_ Monitor | 16.4 | 310 - Herbaceous Openland | Nonstocked | | Unspec ified | Monitoring | Natural Regen (Re-Inventory) | 6128 - Lowland Coniferous, Mixed Deciduous | Even-Aged | Draft Field Boundary |
|----|-------------------------|------|------------------------------|------------|--|-----------------|------------|---------------------------------|---|-----------|-------------------------|

Habitat Cut: No

Site Condition:

Prescription

Specs:

Next Step

Treatments:

Acceptable Mixed swamp conifer with pockets of aspen.

Regen:

Other Percent to Treat = 100%

Comment:

Proposed Start Date: 10/01/2016



| 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 |
|-----------------------|-------------------|-------|--------------------|-----------------|--------------|-------------|-------------------|---------------------|-------------------------|------------------|-------------------------|
| 80 | 72019080-NF | 0.6 | 4130 - Aspen | Sapling Well | 17 | Immature | NonForestMgt | Other - Specify | 3102 - Grass | | Draft Field Boundary |

Habitat Cut: No

Site Condition:

Prescription Convert haul/closed road into a hunter walking trail. Tie into the trail system that is going through stand 53. Utilize as a hunting trail until stand is ready for harvest again. Gate trail just off Townline Road.

Next Step
Treatments:

Acceptable Planting mixture that is beneficial to wildlife.
Regen:

Other This road will also provided access to manage two wildlife openings.
Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|-----|---------------------|------|-----------------------------|--------------------|----|--------|---------|----------|-------------|-----------|-------------------------|
| 112 | 72019112.41_ Cut | 16.3 | 4133 - Aspen, Mixed Pine | Poletimber Well | 55 | 81-110 | Harvest | Clearcut | 413 - Aspen | Even-Aged | Draft Field Boundary |
|-----|---------------------|------|-----------------------------|--------------------|----|--------|---------|----------|-------------|-----------|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Final harvest, follow standard retention guidelines and woody biomass guidelines. Include grouse and hare spec.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory); NonForestMgt, Other - Specify
Treatments:

Acceptable Medium to well stocked stand of aspen with mixed associated species.
Regen:

Other Convert haul/closed road into a hunter walking trail. Tie into the trail system that is going through stand 13. Utilize as a hunting trail until stand is ready for harvest. Gate trail just off Townline Road. Also tie into road/trail in stand 11.
Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|-----|--------------------|------|--------------|------------|--|-----------------|--------------|-----------------|--------------|--|-------------------------|
| 402 | 72019402.26_ NF | 12.8 | 3102 - Grass | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 3102 - Grass | | Draft Field Boundary |
|-----|--------------------|------|--------------|------------|--|-----------------|--------------|-----------------|--------------|--|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Periodic opening maintenance, as needed, that may include disking, fertilizing, food plot seeding, no-till prairie grass drill seeding, mowing, brushing, tree and shrub planting, Rx burning and herbicide application.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|-----|--------------------|-----|--------------------|------------|--|--|--------------|-----------------|--------------|--|-------------------------|
| 403 | 72019403.36_ NF | 0.9 | 320 - Upland Shrub | Nonstocked | | | NonForestMgt | Other - Specify | 3102 - Grass | | Draft Field Boundary |
|-----|--------------------|-----|--------------------|------------|--|--|--------------|-----------------|--------------|--|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Periodic opening maintenance, as needed, that may include disking, fertilizing, food plot seeding, no-till prairie grass drill seeding, mowing, brushing, tree and shrub planting, Rx burning and herbicide application.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
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 |
|-----------------------|-------------------|-------|--------------------|-----------------|--------------|-------------|-------------------|---------------------|-------------------------|------------------|--------------------|
|-----------------------|-------------------|-------|--------------------|-----------------|--------------|-------------|-------------------|---------------------|-------------------------|------------------|--------------------|

| | | | | | | | | | | | |
|-----|--------------------|-----|--------------------|------------|--|--|--------------|-----------------|--------------|--|-------------------------|
| 404 | 72019404.35_ NF | 0.9 | 320 - Upland Shrub | Nonstocked | | | NonForestMgt | Other - Specify | 3102 - Grass | | Draft Field Boundary |
|-----|--------------------|-----|--------------------|------------|--|--|--------------|-----------------|--------------|--|-------------------------|

Habitat Cut: No **Site Condition:**

Prescription Periodic opening maintenance, as needed, that may include disking, fertilizing, food plot seeding, no-till prairie grass drill seeding, mowing,
Specs: brushing, tree and shrub planting, Rx burning and herbicide application.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|-----|--------------------|-----|--------------------|------------|--|--|--------------|-----------------|--------------|--|-------------------------|
| 405 | 72019405.34_ NF | 2.4 | 31029 - Grass (OI) | Nonstocked | | | NonForestMgt | Other - Specify | 3102 - Grass | | Draft Field Boundary |
|-----|--------------------|-----|--------------------|------------|--|--|--------------|-----------------|--------------|--|-------------------------|

Habitat Cut: No **Site Condition:**

Prescription Periodic opening maintenance, as needed, that may include disking, fertilizing, food plot seeding, no-till prairie grass drill seeding, mowing,
Specs: brushing, tree and shrub planting, Rx burning and herbicide application.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|-----|--------------------|-----|--------------------|------------|--|--|--------------|-----------------|--------------|--|-------------------------|
| 406 | 72019406.33_ NF | 2.7 | 31029 - Grass (OI) | Nonstocked | | | NonForestMgt | Other - Specify | 3102 - Grass | | Draft Field Boundary |
|-----|--------------------|-----|--------------------|------------|--|--|--------------|-----------------|--------------|--|-------------------------|

Habitat Cut: No **Site Condition:**

Prescription Periodic opening maintenance, as needed, that may include disking, fertilizing, food plot seeding, no-till prairie grass drill seeding, mowing,
Specs: brushing, tree and shrub planting, Rx burning and herbicide application.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|-----|--------------------|------|--------------|------------|--|-----------------|--------------|-----------------|--------------|--|-------------------------|
| 407 | 72019407.27_ NF | 13.0 | 3102 - Grass | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 3102 - Grass | | Draft Field Boundary |
|-----|--------------------|------|--------------|------------|--|-----------------|--------------|-----------------|--------------|--|-------------------------|

Habitat Cut: No **Site Condition:**

Prescription Periodic opening maintenance, as needed, that may include disking, fertilizing, food plot seeding, no-till prairie grass drill seeding, mowing,
Specs: brushing, tree and shrub planting, Rx burning and herbicide application.

Next Step
Treatments:

Acceptable
Regen:

Other
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 |
|-----------------------|--------------------|-------|-----------------|--------------|-----------|--------------|----------------|------------------|----------------------|---------------|----------------------|
| 409 | 72019409.28_ NF | 2.0 | 3102 - Grass | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 3102 - Grass | | Draft Field Boundary |

Habitat Cut: No

Site Condition:

Prescription Periodic opening maintenance, as needed, that may include disking, fertilizing, food plot seeding, no-till prairie grass drill seeding, mowing, Specs: brushing, tree and shrub planting, Rx burning and herbicide application.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|-----|--------------------|-----|--------------|------------|--|--------------|--------------|-----------------|--------------|--|----------------------|
| 410 | 72019410.24_ NF | 1.2 | 3102 - Grass | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 3102 - Grass | | Draft Field Boundary |
|-----|--------------------|-----|--------------|------------|--|--------------|--------------|-----------------|--------------|--|----------------------|

Habitat Cut: No

Site Condition:

Prescription Periodic opening maintenance, as needed, that may include disking, fertilizing, food plot seeding, no-till prairie grass drill seeding, mowing, Specs: brushing, tree and shrub planting, Rx burning and herbicide application.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|-----|--------------------|-----|--------------|------------|--|--------------|--------------|-----------------|--------------|--|----------------------|
| 411 | 72019411.25_ NF | 1.8 | 3102 - Grass | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 3102 - Grass | | Draft Field Boundary |
|-----|--------------------|-----|--------------|------------|--|--------------|--------------|-----------------|--------------|--|----------------------|

Habitat Cut: No

Site Condition:

Prescription Periodic opening maintenance, as needed, that may include disking, fertilizing, food plot seeding, no-till prairie grass drill seeding, mowing, Specs: brushing, tree and shrub planting, Rx burning and herbicide application.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

| | | | | | | | | | | | |
|-----|--------------------|-----|--------------|------------|--|--------------|--------------|-----------------|--------------|--|----------------------|
| 412 | 72019412.30_ NF | 1.1 | 3102 - Grass | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 3102 - Grass | | Draft Field Boundary |
|-----|--------------------|-----|--------------|------------|--|--------------|--------------|-----------------|--------------|--|----------------------|

Habitat Cut: No

Site Condition:

Prescription Periodic opening maintenance, as needed, that may include disking, fertilizing, food plot seeding, no-till prairie grass drill seeding, mowing, Specs: brushing, tree and shrub planting, Rx burning and herbicide application.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

**Total Treatment
Acreage Proposed: 443.5**

Report 4 – Site Conditions

Grayling Mgt. Unit
Thomas Barnes : Examiner

Compartment: 19
Year of Entry: 2019

Availability for Management

| Total Acres | Acres Available | Acres Avail | | Dominant Site Conditions | Dominant Site Conditions | | | |
|----------------|--------------------|----------------|---------------|--------------------------|--------------------------|-----|----|-----|
| | | With Condition | Not Available | | 5C | 2G | 3B | 5E |
| 773 | 588 | 3 | 183 | Aspen | 3 | | | 183 |
| 81 | 81 | 0 | 0 | Bog | | | | |
| 63 | 61 | 0 | 2 | Herbaceous Openland | | 0 | | 2 |
| 341 | 328 | 0 | 13 | Jack Pine | | | | 13 |
| 114 | 114 | 0 | 0 | Low-Density Trees | | | | |
| 133 | 26 | 0 | 107 | Lowland Conifers | | 107 | | |
| 69 | 4 | 0 | 65 | Lowland Spruce/Fir | | 65 | | |
| 125 | 119 | 6 | 0 | Mixed Upland Deciduous | 6 | | | |
| 43 | 42 | 0 | 1 | Natural Mixed Pines | | | | 1 |
| 22 | 22 | 0 | 0 | Oak | | | | |
| 78 | 65 | 0 | 13 | Red Pine | | | 13 | |
| 9 | 9 | 0 | 0 | Tamarack | | | | |
| 21 | 21 | 0 | 0 | Upland Conifers | | | | |
| 3 | 3 | 0 | 0 | Upland Mixed Forest | | | | |
| 22 | 22 | 0 | 0 | Upland Shrub | | | | |
| 12 | 12 | 0 | 0 | Upland Spruce/Fir | | | | |
| 12 | 12 | 0 | 0 | Urban | | 0 | | |
| 48 | 48 | 0 | 0 | White Pine | | | | |
| 1,970 | 1,577 | 9 | 384 | Total Forested Acres | 9 | 172 | 13 | 199 |
| | 80% | 0% | 19% | Relative Percent | | | | |

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

| Site No. | Dominant Site Cond Availability | Dominant Site Condition | Acres | Other Site Condition | Other Site Condition | Other Site Condition | Other Site Condition |
|------------------|---------------------------------|-------------------------|-------|----------------------|----------------------|----------------------|----------------------|
| 1 | Unavailable | 5E: Long-Term Retention | 8 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 2 | Unavailable | 5E: Long-Term Retention | 0 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Grayling Mgt. Unit
Thomas Barnes : Examiner

Compartment: 19
Year of Entry: 2019

| | | | | | | | |
|---|-------------|---|----|--|-------------|-------------|-------------|
| 3 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 4 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 5 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 6 | Unavailable | 5E: Long-Term Retention | 11 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 7 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 10 | 5F: Evaluated for Forest Health Considerations | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 8 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 19 | 5F: Evaluated for Forest Health Considerations | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 9 | Unavailable | 5E: Long-Term Retention | 13 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Retention islands left in harvest #013-09. | | | | | | | |

Report 4 – Site Conditions

Grayling Mgt. Unit

Thomas Barnes : Examiner

Compartment: 19

Year of Entry: 2019

| | | | | | | | |
|--|--------------------|---|----|--|-------------|-------------|-------------|
| 10 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 30 | 5F: Evaluated for Forest Health Considerations | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 11 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 12 | 5F: Evaluated for Forest Health Considerations | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 12 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Stand access is would have to be cut thru a jack pine plantation, the stand value does not warrant that type of effort. Let stand go until stand 5 is ready to be cut. | | | | | | | |
| 13 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Small hardwood stand that adds to the diversity of the area. | | | | | | | |
| 14 | Unavailable | 3B: Threatened, endangered, and special concern species | 13 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Park like understory with large diameter red pine. | | | | | | | |
| 15 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Grayling Mgt. Unit
Thomas Barnes : Examiner

Compartment: 19
Year of Entry: 2019

| | | | | | | | |
|------------------|-------------|---|----|---|--|-------------|-------------|
| 16 | Unavailable | 5E: Long-Term Retention | 5 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 17 | Unavailable | 5E: Long-Term Retention | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 18 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 19 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 12 | 3H: Deer Wintering Area - habitat is incompatible with harvest at this time | 5F: Evaluated for Forest Health Considerations | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 20 | Unavailable | 5E: Long-Term Retention | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 21 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 35 | 5F: Evaluated for Forest Health Considerations | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Grayling Mgt. Unit

Thomas Barnes : Examiner

Compartment: 19

Year of Entry: 2019

| | | | | | | | |
|------------------|--------------------|--|----|--|-------------|-------------|-------------|
| 22 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 12 | 5F: Evaluated for Forest Health Considerations | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 64 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 3 | 5F: Evaluated for Forest Health Considerations | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 76 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 9 | 5F: Evaluated for Forest Health Considerations | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 82 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 31 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

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

Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

| Conservation Area | Type | Description |
|-------------------|-----------------------------|---|
| SCA | Cold Water Lake | A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200. |
| SCA | Cold Water Stream | A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210. |
| 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. |

S
t
a
n
d

Grayling Mgt. Unit

Report 7 – Forested Stands

Compartment: 19
Year of Entry: 2019

| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|----------------------|-------|--------------|-------------|---|
| 2 | 42220 - Natural Jack Pine | Poletimber Medium | 4.7 | 41 | 1-50 | Open pockets of sweetfern. Poor form open grown jack pine, keep as an open barren type area. |
| 4 | 42220 - Natural Jack Pine | Poletimber Medium | 10.3 | 49 | 51-80 | All trees with 2 or more 100" sticks were taken out of stand in 1976'. The regen came back scattered w/ various stocking densities. Several trees are not of merchantable size. Scattered red pine and oak throughout stand. |
| 5 | 42220 - Natural Jack Pine | Poletimber Poor | 18.8 | 50 | 1-50 | Small stand of pole sized jack pine of fair quality and trees are 2-3 stick trees. there some scattered red pine within the stand. OPIC - FMD: Pockets of bigger trees mixed with small 1-2 stick stuff. This stand provides a good visual buffer for surrounding area. |
| 6 | 42120 - Planted Jack Pine | Sapling Well | 58.9 | 17 | Immature | Stand harvested in 2000 under contract 72-055-99-01, stickfort jack. Stand is doing well with good density and some aspen pockets as well. OPIC - FMD: Planted to jack pine. Regen is 3-6' tall. East portion of stand has 3 nice pockets of aspen regen. CUT 2000 -SALE # 720559901 (STICKFORT JACK) |
| 7 | 4130 - Aspen | Poletimber Medium | 2.5 | 63 | 51-80 | Small stand of aspen pole size, in the transition zone to the lowland. Treat stand when other stands in area are treated. OPIC - FMD: Stand should have been cut w/ adjacent stands last YOE. Treat with stand 5 in future. Extend cut into the swamp conifer to create a mixed edge. Hypox in stand-some aspen w/ dead tops. Stand runs along the swamp edge. |
| 8 | 6122 - Black Spruce | Poletimber Well | 19.2 | 108 | 81-110 | Lowland conifer stand with a fair amount of standing water. All trees look really healthy and a good understory is established. OPIC - FMD: Did not visit stand in 2007. |
| 9 | 42120 - Planted Jack Pine | Sapling Well | 14.7 | 18 | Immature | 12 acres planted by hand crew 2000. Regen 8-10' high. (old comments): Stand did not convert to oak as expected, what oak there is has heavy deer browse. Seed to JP, seedable acres are less than stand acres due to stump pile and oak regeneration. 12 ACRES OF THIS STAND WAS HAND PLANTED TO JACK PINE DURING THE SPRING OF 2000 BY A CONTRACT CREW. FTP # 72-0409. |
| 10 | 4199 - Other Mixed Upland Deciduous | Sawtimber Well | 6.1 | 94 | 51-80 | Stand is clumps of maple w/ clumps of sawlog oak and patches of aspen. Heavy browse. Some birch in stand. Average BA was 85. Small Stand and should be retained for species diversity. |
| 11 | 42220 - Natural Jack Pine | Poletimber Well | 29.2 | 51 | 81-110 | Bushy open grown trees. Majority of red pine is in SW corner. 17-22 inches DBH. East part of stand is more of a open grown pole jack pine and grassy openings. Oak few and far between. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|-------------------|-------|--------------|-------------|--|
| 12 | 4130 - Aspen | Sapling Well | 84.4 | 7 | Immature | Stand was cut in 2011 under contract 72-008-09-01. Stand has regenerated nicely. Some maple, cherry and oak regen as well. Stand passes regen survey. OPIC - FMD: 2011: Sale #720080901 all trees 2" up harvested except for WO and 4 leave islands. 2007: (Final harvest w/ reserves) Mixed aspen (BT & QA) in the 40 year old age class. Currently state wide there is a spike in the 40yr old age class distribution. Oak/maple influence in the north, white pine/red pine influence in the south. Some hypox. Good amount of witch hazel in understory. Retain about 3-8% of stand in scattered irregular shaped islands. Cut all species 2" inches and up. Manage for aesthetics when painting in islands-- try to include oak in a couple islands and avoid pine. Extend sale 1/2 a chain or so into stand 13 for a feathered contrast and possible stand expansion. This stand will regenerate to a fully or moderately stocked aspen stand with minor components of red maple, pin oak and misc pine species. Some open upland brush pockets currently exist in stand and are expected to develop in this stand in the future. If natural regeneration fails, the stand should be planted w/ jack pine. Per WD at pre-review, remove north portion of stand 12 from the treatment and create a new stand 112. Treat stand 112 when stands 10 and 11 are treated. This allows expansion of the aspen type in the future. |
| 13 | 42120 - Planted Jack Pine | Poletimber Well | 56.7 | 35 | Unspecified | Jack pine plantation, adjacent to private land. Some aspen pockets and in-growth from adjacent aspen harvest. Stand has grown into the pole size with some saplings stems. Ground cover sweet fern and blueberry. OPIC - FMD: J3/J2. Plantation has some open areas but looks to be well stocked. Good chance it will be a J6 NYOE. J PLANTATION HAS AREAS OF INAUDIQUATE TAKE |
| 14 | 4130 - Aspen | Poletimber Medium | 10.9 | 40 | 1-50 | Areas of smaller aspen in stand, which is keeping dbh lower. Sweetfern and cherry brush. Scattered poor quality oak regen (better oak regen in north part of stand). Stand has some minor trash dumping activity. Cut stand in next inventory cycle. |
| 15 | 4191 - Mixed Upland Deciduous with Conifer | Sapling Well | 9.3 | 17 | Immature | Scattered oak stump sprouts w/ natural jack pine regen. Some advanced oak regen was left from cut. Scattered cherry brush. Contract #054-99-01, Farrington Blocks, cut in 2000. |
| 17 | 4132 - Aspen, Jack Pine | Poletimber Well | 53.0 | 45 | 111-140 | OPIC - FMD: 2007: Pockets of mixed pine-areas of M3/A1. Scattered oak were left. White pine influence in north part of stand. (old comments)A TRACE OF MATURE R AND J ARE LEFT Stand is a mixture of Aspen-JP |
| 18 | 42121 - Planted Jack Pine, Mixed Deciduous | Sapling Well | 9.2 | 18 | Immature | Jack pine planted around aspen regen. Clumps of cherry and oak stump sprouts. Aspen 10' tall -jack 3 1/2' tall. Pockets of u-type. Stand has very little down woody debris. (old comments) Plant or seed to JP after harvest. Keep sale on top of ridge for BMPs. Contract #054-99-01, Farrington Blocks, cut in 2000. FTP C72-449 plant to jack pine. |
| 19 | 6124 - Lowland Spruce-Fir | Poletimber Well | 20.2 | 102 | 81-110 | Lowland conifer stand. Very wet with a fair amount of standing water. Understory has a good mix of species. healthy looking stand.OPIC - FMD: old data used. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|------------------------------|----------------------|-------|--------------|-------------|--|
| 20 | 4130 - Aspen | Sapling Well | 90.0 | 8 | Immature | Harvested in 2010 under contract 72-027-09-01.OPIC - FMD: 2007: Possible green up conflicts with Nancy Joar Sale to the west- evaluate at time of set up as probably will be ok. Browse evident in understory. Aspen is better quality in NE. -Some hypox- Currently state wide there is a spike in the 40yr old age class distribution. (FINAL HARVEST W/ RESERVES) Retain about 3-8% of stand in scattered irregular shaped islands. Cut all species 2" inches and up. Leave some high stumps for wildlife. Manage for aesthetics when painting in islands-- try to include oak in a couple islands and avoid pine. This stand will regenerate to a fully or moderately stocked aspen stand with minor components of red maple, pin oak and misc. pine species. Some open upland brush pockets currently exist in stand and are expected to develop in this stand in the future. If stand regeneration is inadequate, the stand will be replanted to a mix of red and jack pine. (old comments)SCATTERED MATURE OAK, RP, AND JP ARE LEFT Aspen in transition to A6. (SW finger - MANUAL CUT IN 1976 - FTP #158) |
| 21 | 4222 - Natural Jack Pine | Poletimber Well | 12.6 | 58 | 81-110 | Retention left from 2011 harvest of stand 3.OPIC - FMD: Harvest w/ stand 1. This stand similar to 1 except it does not have as much red pine. Leave scattered healthy oak and red pine. Replant to jack pine w/ scattered red pine. Leave a visual buffer along Stickfort road -- reference file indicates a need for a fuel brake-- if visual strip is not applied, paint in leave islands to account for aesthetics. (Final Harvest w/ reserves) Per pre-review note green up conflict due to adj sale called Well Knee Jack Pine- delay this treatment until adj stand to the north is cut or adjust this stand by leaving retention islands along Lyle Road to assist with visual and minimize green up conflict. Also hold stands 2 and 4 as no cut for retention and cut remainder of stands 1 and 3 except those islands needed for visual along road. Per CR- when replanting stand, leave an open corridor to connect stands 2 and 4 for connectivity and manage this open area more for barrens or grassy type. 1/9/12 stand treated under Lyle/Stickfort Jack 72-013-09-01. FTP C72-703 has been submitted for replanting. Trenched in 2013, planted in 2014, most to JP, part to RP, part unplanted for barrens; passed Year-3 regen survey (see FTP, completion report and Greco's shapefiles loaded in MIFI Reference layers). |
| 22 | 42120 - Planted Jack Pine | Sapling Well | 39.4 | 22 | Immature | JP planted 1996, Aspen clones within the stand year of origin 1989. Islands of mixed merchantable pine. |
| 23 | 6122 - Black Spruce | Poletimber Medium | 15.6 | 96 | 51-80 | Lowland stand evaluated from the edge and cored a few trees along the edge. Didn't go to far in due to standing water. OPIC - FMD: OI Stand Year Origin was 1900 |
| 24 | 4130 - Aspen | Sapling Well | 21.5 | 18 | Immature | Stand cut in 2000, Contract #054-99-01, Farrington Blocks. Nice young aspen regen with mixed associated species. |
| 25 | 42220 - Natural Jack Pine | Poletimber Medium | 36.1 | 51 | 51-80 | Jack pine stand of poor to fair quality. Many areas of open grown as well as more traditional densities. Scattered red and white pine, n ok much for an understory. OPIC - FMD: Multiple age classes represented - 60ish being the oldest. Old comments still hold true. (old comments)-Variable stocking, ranges from G to J6 with average of J4 |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|---|--------------------|-------|--------------|-------------|---|
| 26 | 4130 - Aspen | Poletimber Well | 42.4 | 49 | 51-80 | Mixed aspen of poor to fair quality with many stems with conks. Some wet areas w/lowland species. A few XLoY white pine in excess of 36"DBH.OPIC - FMD: 2007: Still pockets of aspen that do not make sticks. Will be an A6 NYOE. May want to harvest w/ stand 25 in future. (old comments)Mix of Aspen with some JP, 1 acre R9 in NW corner of stand |
| 27 | 4191 - Mixed Upland Deciduous with Conifer | Sapling Well | 64.3 | 29 | Immature | Mixed stand of aspen and jack pine. Stand is Large sapling to small poles of fair quality. Density is variable with some open areas. OPIC - FMD: 2007: Deer activity. Scattered jack pine and cherry. Hypox in stand. Stand varies in stocking. The better quality areas the regen is 30', the poorer quality areas 10' (old comments) Stand a mixture of Aspen and JP'. |
| 28 | 4130 - Aspen | Sapling Well | 9.2 | 18 | Immature | Jack pine planted around aspen regen. Clumps of cherry and oak stump sprouts. Aspen 10' tall -jack 3 1/2' tall. Pockets of u-type. Stand has very little down woody debris. (old comments) Plant or seed to JP after harvest. Keep sale on top of ridge for BMPs. Contract #054-99-01, Farrington Blocks, cut in 2000. FTP C72-449 plant to jack pine. |
| 29 | 42110 - Planted Red Pine | Sawtimber Well | 1.4 | 76 | 111-140 | Nice little stand of red pine. Provides good structural and species diversity for this area aspen. Good quality. Age of trees varied from a low of 62 to a high of 87, averaged the age to 75. |
| 31 | 4130 - Aspen | Sapling Well | 5.3 | 29 | Immature | Small stand of aspen with mixture of cherry, maple, oak and j pine. Good stem density.OPIC - FMD: North part is now stand 81. A3 20-25' tall. (old comments) Landing did not regenerate |
| 32 | 42290 - Natural Mixed Pine | Sawtimber Well | 28.8 | 84 | 111-140 | Appears stand may have had the hard word component removed when other stands in area were treated. Over story heavy to Log/Log red pine. Stand also has large pule red pine too. Understory is primarily red maple with aspen and some mixed conifer. OPIC - FMD: 2007: Green up issues. Aspen, maple, oak are in the understory. Heavy browse. Jack pine is in decline. Is a natural red pine stand, not a plantation.(old comments)PLANTED 1934 R W J |
| 33 | 4130 - Aspen | Poletimber Well | 21.7 | 46 | 81-110 | Aspen stand with mixture of DBIt's doe pending on soils. Northern portion of start is log/pole while rest of stand is pole/sap. N ice mixture of oak and pines too. OPIC - FMD: Areas of A3 w/ clumps of red maple regen. (old comments) A TRACE OF OAK LEFT FOR MAST |
| 34 | 42210 - Natural Red Pine | Sawtimber Well | 23.8 | 84 | 111-140 | Stand had hardwood species removed in 1974, succeeding regeneration is doing well with medium to high densities, ranging from 5-20' tall. Nice looking stand that will be ready for harvest during the next round of inventory. Three BA swings were taken, average stand BA was 113. Goshawk in area unable to local nest. OPIC - FMD: Red pine with pockets of aspen and hdwd regeneration. (old comments)Hardwood removed in 1974, RP left as overstory, MO = RP Is a natural red pine stand, not a plantation. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|-----------------|-------|--------------|-------------|--|
| 35 | 42210 - Natural Red Pine | Sawtimber Well | 12.7 | 81 | 81-110 | Scattered sawlog red pine with intermediate aspen and jack pine. Good mix of q-types along swamp edges. Jackpine cut in 1974 is a natural red pine stand, not a plantation. Manage stand for big tree management. |
| 36 | 42200 - Natural White Pine | Sawtimber Well | 47.7 | 80 | 81-110 | Nice mixed stand of red and white pine with oak log size with a well established understory of conifer and hardwood regen. Aspen and red maple were removed in 2001. Stand can hold for another 10 years and should be harvested in the next inventory cycle. OPIC - FMD: 2007: Poor quality oak. WP has weevil damage. Decent red and white pine regen. (old comments) Oak and R/W pine left, all other species cut in 2001 under contract #72-004-00-01, 19-36 Thin Block. |
| 37 | 4130 - Aspen | Poletimber Well | 9.4 | 51 | 81-110 | Aspen stand wow and conifer. Southern portion has red y white pine component. saturated soils with some standing water. OPIC - FMD: Swamp conifer understory. QA and BT Treat with stand 36 in 10yrs. (old comments)Stand in transition to A6 |
| 38 | 6129 - Mixed Coniferous Lowland Forest | Poletimber Well | 42.0 | 96 | 81-110 | This is a lowland conifer dominated by tamarack and black spruce. Large red and white pine a found along the perimeter of the stand. Fair amount of stand water, all species look healthy. OPIC - FMD: SCATTERED BIG PINES ALONG SWAMP EDGE. JC update: horizontal cover creation was approved by variance in February 2014. Small groups of trees were hinge-cut that winter (W72-744). |
| 39 | 4130 - Aspen | Sapling Well | 29.3 | 25 | Immature | Young aspen stand doing well with good stem densities. Scattered misc species in overstory. Mostly along the road edge R5-O5. Scattered oak, pine, & cherry regen. |
| 40 | 4130 - Aspen | Sapling Well | 26.3 | 8 | Immature | Stand Harvested 2010 "Smiling Turtle Aspen" #720290901. Stand is regenerating well, there are a few areas that are less dense. However, overall stem density is good. Old Comments. Aspen w/ mixed conifer. Stand has some low/wet areas. Birch and maple also found in stand. Most of jack pine is found along the 2-track. This stand is in the 40 year old age class. Currently state wide there is a spike in the 40yr old age class distribution. This type and age class is also the most common found in compartment 19. I recommend a (FINAL HARVEST W/ RESRVES). Cut all trees 2" inches and up. Leave several high stumps for wildlife- approx 3-4 per acre. Follow in stand retention guidelines. If possible extend sale boundary into the adjacent q-types if conditions and timber quality warrant. This will create a feathered edge and possibly help to expand the stand. (old comments) Stand in transition to A6, scattered JP in stand. POSSIBLY NEED TO REQUEST A SURVEY TO DETERMINE NORTH EDGE OF STAND 43! Per CR- keep high stumps back along the swamp edge. |
| 41 | 42110 - Planted Red Pine | Sapling Well | 23.7 | 22 | Immature | Planted red pine. Some areas of planted jack. Cherrybrush throughout. A couple areas with aspen rege that were planted through.. There are some overstory red pine scattered thru out. Red pine averages 8-12' high- some areas regen is 15'+ (old comments) RP planted, but not to road? |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|--------------------|-------|--------------|-------------|---|
| 43 | 4130 - Aspen | Poletimber Well | 22.0 | 49 | 81-110 | Mixed stand of aspen with oak, maple and conifer. Quality of aspen is fair , with pole to small log sized stems as well as large sapling. Some aspen showing conks. OPIC - FMD: 2007: Open pockets. Scattered red and jack pine. (old comments) clones of A3 with openings between them. includes scattered RP, JP, & Oak |
| 44 | 4136 - Aspen, Mixed Conifer | Poletimber Well | 49.3 | 51 | 81-110 | Nice stand with a good diversity of species. There are some areas of standing water and low land type species are on the perimeters of the wet areas. Some pockets of red pine and super canopy r pine scattered along edge of "Q" types. Aspen is getting some conks on stems. OPIC - FMD: 2007: (old comments)TREAT R7 WITH A3 '97:A3 with overstory RP, stand in transition to A6 |
| 45 | 6129 - Mixed Coniferous Lowland Forest | Poletimber Well | 20.9 | 96 | 81-110 | This is a lowland conifer dominated by tamarack and black spruce. Large red and white pine a found along the perimeter of the stand. Fair amount of stand water, all species look healthy. Old Comment: SCATTERED BIG PINES ALONG SWAMP EDGE. JC update: horizontal cover creation was approved by variance in February 2014. Small groups of trees were hinge-cut that winter (W72-744). |
| 46 | 4130 - Aspen | Sapling Medium | 4.8 | 29 | Immature | Young aspen stand with a mixture of oak, cherry, and pine. Overstory pine left from the harvest. Old Comments: pockets of aspen with open areas. Scattered cherry, fir, and pine regen. (old comments)RP logs left when stand was harvested |
| 47 | 6129 - Mixed Coniferous Lowland Forest | Poletimber Poor | 9.9 | 98 | 1-50 | Stand evaluated from edge due to standing water. Tag alder, grasses and sedge. Stand is open and wet. |
| 48 | 42120 - Planted Jack Pine | Sapling Well | 37.2 | 22 | Immature | Jack Pine planted 1996, stand includes clones of Aspen. Jp regen is 10 - 15' tall. |
| 49 | 42110 - Planted Red Pine | Poletimber Well | 9.7 | 58 | 111-140 | Sale #720080901, 3rd row thin and remove majority of jack pine in 2010. Very little ground cover. |
| 50 | 4130 - Aspen | Sapling Well | 4.6 | 8 | Immature | Nice young aspen stand w/ good she density. Not much for or the species other than cherry. Perimeter of stun has boy size trees to separate stand from grassy opening. OPIC - FMD: 2011: Sale #720080901 Stand has good oak regen in some locations 15'+ tall. The jack pine is declining and the aspen has hypox (several broken tops). Mature oak is poor quality. Equipment will have to cross an opening to access stand. Leave healthy advanced oak regen -- do to small acreage, recommend that all other trees 2" and up be harvested and retention guidelines not followed (Final Harvest). Treatment should produce a moderate to fully stocked aspen stand with components of red maple, pin oak, and misc. conifer. If adequate natural regeneration is not obtained the stand will be planted to jack pine. Per pre-review: restrict or minimize operations on landing area- leave a few trees (such as painted boundary trees) along edge of stand 50 to define the edge of the grassy opening, these trees can assist with retention. |
| 51 | 42110 - Planted Red Pine | Poletimber Well | 3.6 | 58 | 111-140 | Sale #720080901, 3rd row thin and remove majority of jack pine in 2010. Very little ground cover. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|-----------------------|--------------------|-------|--------------|-------------|--|
| 52 | 4130 - Aspen | Poletimber Well | 28.1 | 56 | 81-110 | Service berry all over the place in understory. There is an open U-type in middle portion of stand. Scattered pine throughout. Some real big pine along northern boundary. |
| 53 | 4122 - Oak, Pine | Sawtimber Well | 21.8 | 100 | 51-80 | Cut in 2007, all red maple an aspen removed. Understory growth is doing wen roughly 15-30 ft tall of maple and aspen. Residual BA is 53, Mixed oak BA of 33, red pine BA is 17 white pine BA is 3. OPIC - FMD: 2007: Sawlog oak and red pine w/ a well stocked maple and aspen understory. A3/M3 where there is little overstory. A2-A1/M2-M1 under canopy. Some open areas where the ground is covered w/ rasberry. old comments)Remove Birch, Maple, Aspen; Save RP, WP, Oak RETAIN SNAGS! Contract #015-99-01, Lost Trail Sale, cut in 2000. Aspen birch and maple were cut, R & W pine and oak were left. |
| 54 | 4130 - Aspen | Sapling Well | 14.0 | 8 | Immature | Stand cut in 2010. Young stand regenerating to aspen, maple, and some oak. Residual overstory trees left of red pine and oak; with less than 20BA. old Comment- The management objective is an oak stand. Any natural regeneration at moderate to full stocking with an oak component will be a success. standha regenerated to a moderately stocked stand, will accept present regen. OPIC - FMD: 2011: Sale #720080901 Majority of birch is dead or declining. Aspen component found primarily in the north. Red pine is in the south. Some oak starting to decline but there are areas of oak that still look quite healthy. Recommend a final harvest w/ reserves leaving clumps of misc species but target healthy oak and pine as leave trees. Protect oak advanced regen. Consider leaving a small island along Townline Rd for visual. Omit portion of stand north of Lee Rd from sale. This prescription is intended to create an even aged stand except for a small number of widely dispersed trees retained for seed production. These trees should be left in the stand after regeneration has established. The management objective is an oak stand. Any natural regeneration at moderate to full stocking with an oak component will be a success. If adequate natural regeneration is not obtained this stand will be replanted w/ mixed pine species. |
| 55 | 4130 - Aspen | Poletimber Well | 38.0 | 48 | 81-110 | Mixed Aspen stand, more quaking the bigtooth. Some oak, birch an white pine scattered through at as well. Understory mixture of oak, cherry and whil pine of low density. OPIC - FMD: Mixed aspen stand w/ patches of open areas. Some stump sprout oak and mixed pine. Scattered pine found in the understory. |
| 56 | 4130 - Aspen | Sapling Well | 9.5 | 18 | Immature | Stand cut in 2000 with removal of aspen, maple and oak was marked to leave. Stand has regenerated to a you my aspen stand with residual oak, red and white pine log trees. Higher residual a long private line. Average BA< than 50sqft. Highlighting regenerating stand. OPIC - FMD: 2007: Aspen clone has regenerated in NE corner. Scattered oak and pine in understory. Small stand. Less residual oak than expected. 1997: remove Aspen, Red maple, and mark Oak to Residual 70 BA with Regeneration Holes. 1987-REQUEST TO PRIVATE HOME. HEALTHY STAND WILL PROVIDE MAST FOR WILDLIFE. Thinned fall of 2000 under contract #051-99-02, Comp.19 Oak Block. One aspen den tree, birch and unmarked oak left for BA of 63. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|-----------------|-------|--------------|-------------|---|
| 57 | 4130 - Aspen | Sapling Well | 137.7 | 29 | Immature | Regen varies. 20-30' in some areas, 10-20' in others. Hypox observed in stand. High amounts of deer activity. Stand is gaining more pole sized stems but still sapling overall. Power line does run through stand. Scattered jack pine and oak regen. Grassy opening found throughout. |
| 59 | 42220 - Natural Jack Pine | Sapling Medium | 10.1 | 21 | Immature | Stand is open grown jack pine with aspen along perimeter and cherry. stand never planted to red pine as past notes show. OPIC - FMD: 2007: Stand was never planted to red pine. It is mostly cherry brush w/ scattered jack and red pine. Oak and aspen regen can also be found in stand. Deer seem to be using this opening a lot. GC is bb, sweetfern, raspberry, and bracken. (old comments)1997, no regeneration from cut, plant to RP; check to see if FTP was written |
| 60 | 4191 - Mixed Upland Deciduous with Conifer | Sapling Medium | 40.3 | 25 | Immature | Hodge poge stand of open grown j pine with other upland species. OPIC - FMD: 2007: Open w/ jack pine & oak regen. Pockets of A3. Cherry and red maple also present. Heavy browse. Big ditch/pit in stand-old gravel pit for county road? (old comments) BUFFER LEFT ALONG ROAD |
| 61 | 6129 - Mixed Coniferous Lowland Forest | Poletimber Well | 40.1 | 96 | 81-110 | This is a lowland conifer dominated by tamarack and black spruce. Large red and white pine a found along the perimeter of the stand. Fair amount of stand water, all species look healthy. OPIC - FMD: SCATTERED BIG PINES ALONG SWAMP EDGE. JC update: horizontal cover creation was approved by variance in February 2014. Small groups of trees were hinge-cut that winter in the other two approved stands (38 & 45), but not recorded in this one (W72-744). |
| 64 | 6122 - Black Spruce | Poletimber Well | 2.9 | 88 | 51-80 | Stand consists of tamarack, black spruce, b fir and some white pine. Small pole sized stand. Lots of huckleberry. |
| 67 | 6121 - Tamarack | Sapling Well | 9.5 | 48 | 111-140 | Stand evaluated from edge of stand due to standing water. Stand is sapling tamarack with mature lowland conifer along edge. adjacent to a "V" type stand. OPIC - FMD: Very wet. Poor quality tamarack and swamp conifer regen on south end of bog. |
| 69 | 4311 - Pine, Aspen Mix | Sapling Medium | 3.0 | 22 | Immature | This portion of old sale was not planted. It has sparse jack pine regeneration with oak, aspen, cherry, and red pine present as well. Western end of the stand is dominated by aspen. According to reference file this strip is part of an old fuel brake plan. |
| 70 | 42290 - Natural Mixed Pine | Poletimber Well | 14.5 | 71 | 81-110 | Stand is bordered by Q type on north side and also has a lowland component on the nw portion of stand. Red and white pine dominate the side but low BA's. Three BA swings were taken with stand average 85 Pockets of aspen and maple with open grown jack pine. OPIC - FMD: Several open grassy areas. Pockets of aspen and maple. GC=huckleberry. Areas of open water. |
| 71 | 42330 - Upland Fir | Sapling Poor | 5.3 | 18 | Immature | Open and brushy. Area was not replanted with stand 9. Fir also starting to seed into stand from adjacent Q type. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|------------|-------------------------------------|----------------------|-------|--------------|-------------|---|
| 73 | 42330 - Upland Fir | Poletimber Medium | 6.9 | 33 | 51-80 | Balsamfir and black spruce seeding into unplanted portion of old sale. Looks like they left some of the advanced fir regen during harvest operations. Stand has a feathered edge quality. Majority of stand is high and dry. Transition zone between upland and lowland |
| 74 | 42220 - Natural Jack Pine | Poletimber Well | 2.4 | 40 | 1-50 | Southern part of an old grass opening that has filled in with jack pine. Harvest w/ adjacent aspen stands. Manage as a open area with sparse to moderate mixed regeneration. Adjacent aspen stands may expand into area which is acceptable. |
| 79 | 42110 - Planted Red Pine | Sawtimber Well | 3.0 | 76 | 111-140 | Nice little stand of red pine. Provides good structural and species diversity for this area aspen. Good quality. Age of trees varied from a low of 62 to a high of 87, averaged the age to 75. |
| 80 | 4130 - Aspen | Sapling Well | 8.0 | 17 | Immature | Aspen regen is 10-15' tall Residual is roughly less than 20 BA. Good stem density. |
| 81 | 4199 - Other Mixed Upland Deciduous | Sapling Poor | 5.3 | 29 | Immature | Cherry brush w/ scattered oak regen and pockets of aspen. Pocket of oak regen in Se part of stand. |
| 82 | 6122 - Black Spruce | Poletimber Medium | 30.7 | 94 | 1-50 | Black spruce, jack pine, and fir with some tamarack. Stand is sparse with open water |
| 83 | 4130 - Aspen | Sapling Well | 32.5 | 3 | Immature | Harvested in 2015. |
| 84 | 429 - Mixed Upland Conifers | Sapling Medium | 21.1 | 18 | Immature | Open and brushy. Area was not replanted with stand 9. Fir also starting to seed into stand from adjacent stand. Some Red pine scattered in the stand as well |
| 112 | 4133 - Aspen, Mixed Pine | Poletimber Well | 16.3 | 55 | 81-110 | Mixed aspen that are starting to show some conks.. Oak/maple influence in the north, white pine/red pine influence in the south. Some hypox. Understory does have some decent species diversity. (old comments) Mature A3 in transition to A6, scattered mature Aspen, Maple, and Oak in stand. Per WD at pre-review, remove north portion of stand 12 from the treatment and create a new stand 112. Treat stand 112 when stands 10 and 11 are treated. This allows expansion of the aspen type in the future. |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|---------------------------|-------|--------------|---|
| 1 | 330 - Low-Density Trees | 91.8 | | <p>Was final harvested by 2011 (#013-09). C72-703 trenched in 2013 and planted to JP in 2014, excluding small pockets of natural regen with heavier residual. Passed year 3 regen survey.OPIC - FMD: Not much in the understory(J1-O1). The red pine component is primarily in the north/east part of stand. There are a couple open J4/J5 areas with cherry brush and oak. Possible green up issues with adjacent compartment to the north. Leave healthy red pine and some healthy sawlog size oak in scattered islands. Plant to jack pine-with scattered red pine around residual.</p> <p>Would like leave a visual buffer along Lyle and Stickfort Roads but reference file indicates the need for a fuel brake along Stickfort Rd and the southern property line. If visual strip is not used - paint in leave islands for retention and aesthetics. (Final Harvest w/ reserves) Per pre-review note green up conflict due to adj sale called Well Knee Jack Pine- delay this treatment until adj stand to the north is cut or adjust this stand by leaving retention islands along Lyle Road to assist with visual and minimize green up conflict. Also hold stands 2 and 4 as no cut for retention and cut remainder of stands 1 and 3 except those islands needed for visual along road. Per CR, harvest priority of stand should be 2 due to green up requirements.</p> |
| 3 | 330 - Low-Density Trees | 13.7 | | <p>Was final harvested by 2011 (#013-09). C72-703 trenched in 2013 and planted 2014, excluding small pockets of natural regen with heavier residual. This portion of the majority-JP FTP was planted to RP. Passed year 3 regen survey.OPIC - FMD: Harvest w/ stand 1. This stand similar to 1 except it does not have as much red pine. Leave scattered healthy oak and red pine. Replant to jack pine w/ scattered red pine. Leave a visual buffer along Stickfort road -- reference file indicates a need for a fuel brake-- if visual strip is not applied, paint in leave islands to account for aesthetics. (Final Harvest w/ reserves) Per pre-review note green up conflict due to adj sale called Well Knee Jack Pine- delay this treatment until adj stand to the north is cut or adjust this stand by leaving retention islands along Lyle Road to assist with visual and minimize green up conflict. Also hold stands 2 and 4 as no cut for retention and cut remainder of stands 1 and 3 except those islands needed for visual along road. Per CR- when replanting stand, leave an open corridor to connect stands 2 and 4 for connectivity and manage this open area more for barrens or grassy type.</p> |
| 16 | 62259 - Bog (OI) | 20.3 | No | Lots of open water with tag alder, lowland shrubs and some standing dead timber. |
| 30 | 62259 - Bog (OI) | 22.7 | No | Open water, small islands of mixed conifer. Lowland brush w/ a lot of huckleberry. |
| 42 | 62259 - Bog (OI) | 19.6 | No | This is a nice stand- similar or exceeds quality of Lovell's Bog |
| 58 | 110 - Low Intensity Urban | 3.2 | No | Farrington Road |
| 62 | 6225 - Bog | 8.0 | No | |
| 63 | 330 - Low-Density Trees | 2.5 | | <p>Young stand slowly seeding in will keep a monitoring treatment on this stand. There is some pine seeding in. Think will pass the poorly stocked once it is a bit older.</p> <p>Cherry brush is also seeding in to this area. OPIC - FMD: 2011: Sale #720080901 Porky damage in stand. Treat w/ stands 49 and 51. Do not cut red pine. Leave limbs and/or tops scattered in sale area. A poorly stocked stand is acceptable as long as some natural jack pine regeneration occurs. This cut will help to enhance and expand the adjacent grass stand and create a small jack pine barren type area. The limbs and tops will add a woody debris element and provide new habitat.</p> |
| 65 | 62259 - Bog (OI) | 2.9 | No | Some open water |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|---------------------------|-------|--------------|--|
| 68 | 62259 - Bog (OI) | 2.8 | No | Open water - grasses - brush along edge |
| 72 | 62259 - Bog (OI) | 1.6 | No | |
| 75 | 31029 - Grass (OI) | 2.3 | | Stand was cut in 2010 and red pine was left. MO is natural pine regeneration. Currently regen is struggling, will keep monitoring treatment on stand. Mered with 65. .OPIC - FMD: Part of an old grass opening that has filled in with jack pine. Final harvest w/ adjacent red pine stands. Manage as an open area w/ mixed pine regeneration. |
| 77 | 310 - Herbaceous Openland | 18.1 | | Harvested in July 2015 under contract 72-035-13-01. Leaving regen monitoring treatment on this site. There are pockets of good regeneration and areas where nothing is sprouting. Better regen and densities on the east side of Stickfort Rd.Old comment: OPIC - FMD: Mixed stand of aspen, red-white-jack pine, black spruce, and fir. Good area for dropping and leaving conifers for wildlife? Harvest all species 2" and up except for a few pockets of healthy red pine and misc swamp conifer. Apply rabbit habitat specs and leave some tops (5-10per acre) and limb piles. Or else specifically mark trees in stand for them to push over and leave. Leave scattered high stumps for wildlife. This stand should regenerate to a moderately to well stocked mixed swamp conifer stand w/ pockets of aspen. Per pre-review we decided to change from seed tree to final harvest treatment. |
| 78 | 62259 - Bog (OI) | 3.2 | No | Moss, huckleberry grasses - open water - scattered conifer on ridges |
| 87 | 330 - Low-Density Trees | 5.8 | No | Final harvested by 2011 (#013-09). This portion of the original stand 3 was left unplanted to serve as a barrens connecting stands 2 & 4. OPIC - FMD: Harvest w/ stand 1. This stand similar to 1 except it does not have as much red pine. Leave scattered healthy oak and red pine. Replant to jack pine w/ scattered red pine. Leave a visual buffer along Stickfort road -- reference file indicates a need for a fuel brake-- if visual strip is not applied, paint in leave islands to account for aesthetics. (Final Harvest w/ reserves) Per pre-review note green up conflict due to adj sale called Well Knee Jack Pine- delay this treatment until adj stand to the north is cut or adjust this stand by leaving retention islands along Lyle Road to assist with visual and minimize green up conflict. Also hold stands 2 and 4 as no cut for retention and cut remainder of stands 1 and 3 except those islands needed for visual along road. Per CR- when replanting stand, leave an open corridor to connect stands 2 and 4 for connectivity and manage this open area more for barrens or grassy type. |
| 88 | 320 - Upland Shrub | 20.0 | Yes | Was final harvested by 2011 (#013-09). This strip was left unplanted as a fuelbreak, with opening maintenance needs to be evaluated during re-inventory. OPIC - FMD: Not much in the understory(J1-O1). The red pine component is primarily in the north/east part of stand. There are a couple open J4/J5 areas with cherry brush and oak. Possible green up issues with adjacent compartment to the north. Leave healthy red pine and some healthy sawlog size oak in scattered islands. Plant to jack pine-with scattered red pine around residual. Would like leave a visual buffer along Lyle and Stickfort Roads but reference file indicates the need for a fuel brake along Stickfort Rd and the southern property line. If visual strip is not used - paint in leave islands for retention and aesthetics. (Final Harvest w/ reserves) Per pre-review note green up conflict due to adj sale called Well Knee Jack Pine- delay this treatment until adj stand to the north is cut or adjust this stand by leaving retention islands along Lyle Road to assist with visual and minimize green up conflict. Also hold stands 2 and 4 as no cut for retention and cut remainder of stands 1 and 3 except those islands needed for visual along road. Per CR, harvest priority of stand should be 2 due to green up requirements. |
| 99 | 110 - Low Intensity Urban | 9.0 | No | Townline Road |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|--------------------|-------|--------------|--|
| 400 | 3102 - Grass | 1.2 | No | OPIC - FMD: STATE GREENWOOD B2-24 DELTA/FORCE (MAY HAVE BEEN PURCHASED BY O.I.L.?) GC IS MOSTLY SWEETFERN & KNAPPWEED. |
| 401 | 31029 - Grass (OI) | 0.5 | No | Grassy opening. Sweetfern-bracken-cherry brush. |
| 402 | 3102 - Grass | 12.8 | No | Portion of stand 54) a long southern edge of this stand, it was not cut. GC= sweetfern, bracken, raspberry, sedge, and grasses. Powerline runs through stand. Scattered jack pine and cherry. Less sweetfern in west part of stand. (old comments) TO BE MAINTAINED FOR WILDLIFE REFER TO W 163 AND FTP W 135. JC update: was mowed in 2014 and 2016 (C72-660). |
| 403 | 320 - Upland Shrub | 0.9 | No | Opening filling with cherry and pine. Berry bushes also starting to get more established. OPIC - FMD: Converting to upland brush. |
| 404 | 320 - Upland Shrub | 0.9 | No | Berry bushes beginning to dominate. OPIC - FMD: raspberry and brush - ground cover is mostly sweetfern |
| 405 | 31029 - Grass (OI) | 2.4 | Yes | OPIC - FMD: Poweline runs through stand - grass - sedge - sweetfern |
| 406 | 31029 - Grass (OI) | 2.7 | Yes | OPIC - FMD: Opening- NW part of stand looks like an abandoned well pad. Grasses, sedge-sweetfern- some knapp weed |
| 407 | 3102 - Grass | 13.0 | Yes | OPIC - FMD: Couple scattered jack pine Maintained opening. JC update: was mowed in 2014 and 2016 (C72-660). |
| 408 | 31029 - Grass (OI) | 3.5 | No | Small opening with some scattered jack pine. OPIC - FMD: A field full of sweetfern and spotted knapp weed |
| 409 | 3102 - Grass | 2.0 | No | Small opening with some cherry and jack pine seeding in. JC update: was mowed in 2014 and 2016 (C72-660). |
| 410 | 3102 - Grass | 1.2 | No | Open area with grass and knapweed. OPIC - FMD: Abandoned well? Pad in poor condition - little top soil- covered in knapp weed |
| 411 | 3102 - Grass | 1.8 | No | Abandoned well? Pad in poor condition - berms of stumps and top soil along western edge- some grass and sedge but mostly covered in knapp weed |
| 412 | 3102 - Grass | 1.1 | No | Abandoned well? - not as much knapweed and sweetfern as the other two abandoned wells, but still poor quality. |