



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52173

Entry Year 2018

Acreage: 1,992

County Cheboygan

Management Area: Cheboygan Lake Plain

Revision Date: 2016-05-13

Stand Examiner: John Scheele

Legal Description:

T34N R02W Sections 22, 23, 25, 26, and 27

Identified Planning Goals:

To provide for the protection, integrated management and responsible use of a healthy, productive and undiminished forest resource base for the social, recreational, environmental and economic benefit of the State of Michigan.

Soil and topography:

There are 2 major soil groups in this compartment. The center of the compartment consist of the Rubicon-East Lake Association. The west and east portions consist of the Cheboygan-Blue Lake Association. Topography is nearly level to very steep.

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

The west portion of the compartment is a contiguous block with some privately owned parcels on the west, north and east boundaries. The east portion consists of the recently acquire 'Cudlip' parcel, which has private parcels on the west and north boundaries. The surrounding private parcels are mostly forested, larger acreage, rural parcels.

Unique Natural Features:

There is a documented Northern Wet Meadow and Rich Conifer Swamp within the compartment.

Archeological, Historical, and Cultural Features:

There is an old, elevated railroad grade running through the compartment, as well as a couple secondary railroad grades. No other known archeological concerns or sites at this time.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

An unnamed tributary to the Pigeon River flows through this compartment. Appropriate buffer zones (100 feet) and best management practices should be used to protect this waterbody.

Wildlife Habitat Considerations:

Treatments in this compartment will maintain age class diversity in aspen and oak while creating early successional habitat benefiting elk, deer, grouse, wild turkey and woodcock. Oak clumps and/or large crowned oak will be left where appropriate for hard mast. Openings are prescribed to be maintained and supplemented with hard and soft mast plantings benefiting elk, deer, grouse, wild turkey, and woodcock.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of sand and gravel from ice-contact drift and coarse-textured till. The glacial drift thickness varies between 50 and 200 feet. The Devonian Antrim Shale and Traverse Group subcrop below the glacial drift. The Traverse and Antrim are used for stone and cement products elsewhere in the state. Bedrock is at or near the surface in the northern portion of the compartment, and there may be potential for development of bedrock non-metallic minerals. An active sand/gravel pit is located three miles to the west in Section 19 and some former pits are documented in the area. There may be limited potential for sand and gravel within the compartment. The nearest oil and gas production, the Antrim Shale gas play, is located 12 miles to the south. The Antrim Shale is thin to absent in this area. State land in the area was recently leased as part of the Collingwood Shale play and a plugged Collingwood oil well exists four miles to the north. There may be additional potential for the Collingwood, but to date, there has been limited production from the Collingwood and it is still an unproven play. Interest in the formation has waned and all leases in the area have expired.

Vehicle Access:

There is good access to the compartment off of Afton, Wild, and Munger Roads. There are also many forest roads through

the compartment.

Survey Needs:

A small amount of private line survey work will need be completed.

Recreational Facilities and Opportunities:

No recreational facilities or trails are within the compartment.

Fire Protection:

Wildfire potential is low due to the abundant aspen cover type and the many accessible forest roads.

Additional Compartment Information:

The following reports from the Inventory are attached:

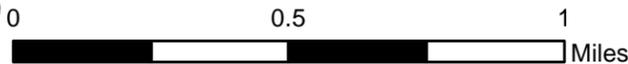
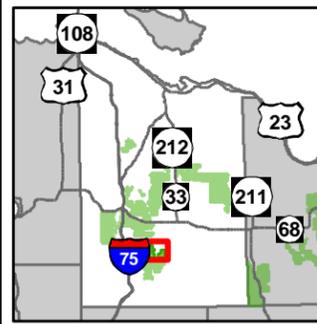
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

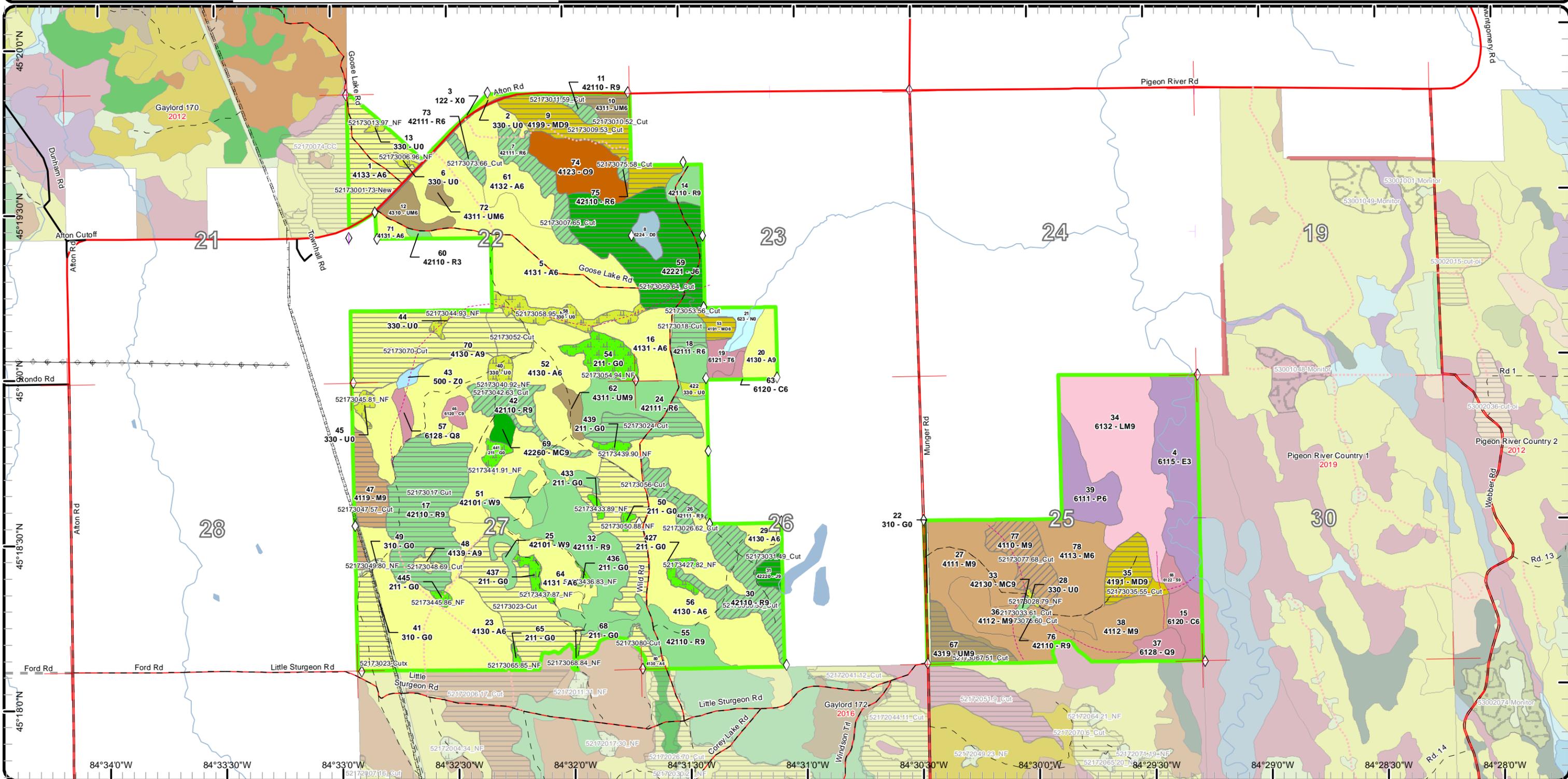
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 173
 T34N,R02W, Sec. 22-23, 25-27
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Cheboygan Lake Plain
 YOE: 2018
 Acres: 1997 GIS Calculated
 Examiner: John Scheele
 Map Revised: 8/26/2016
 Map Phase: Post-Review



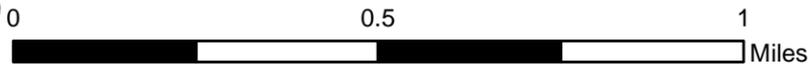
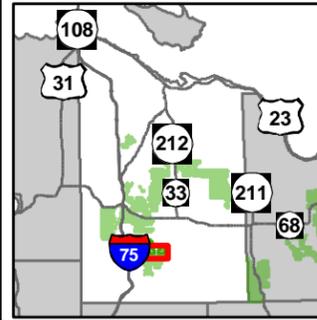
- | | | |
|--------------------------------|-------------------------------------|-----------------------------|
| — Miris Corners | ▨ Clearcut (w/Reserves) | ■ 310 - Herbaceous Openland |
| ⊕ Remonumented Section Corners | ▨ Other Treatment - See Comments | ■ 330 - Low Density Trees |
| ◇ Field Grade GPS Corners | ▨ Thinning (Crown, Low, Systematic) | ■ 500 - Water |
| — County Paved Roads | ■ 411 - Northern Hardwood | ■ 622 - Lowland Shrub |
| — Paved Roads | ■ 412 - Oak Types | ■ 623 - Emergent Wetland |
| — County Gravel Roads | ■ 413 - Aspen Types | ■ Lakes |
| — Poor Dirt Roads | ■ 419 - Mixed Upland Deciduous | |
| — County Poor Dirt Roads | ■ 421 - Planted Pines | |
| — Trail (Non-Recreation) | ■ 422 - Natural Pines | |
| — Closed Roads | ■ 430 - Upland Mixed Forest | |
| — Rivers | ■ 611 - Lowland Deciduous Forest | |
| — Pipeline | ■ 612 - Lowland Coniferous Forest | |
| — Powerline | ■ 613 - Lowland Mixed Forest | |
| — Compartment Boundary | ■ 122 - Roads/Parking Lot | |
| | ■ 211 - Cropland | |



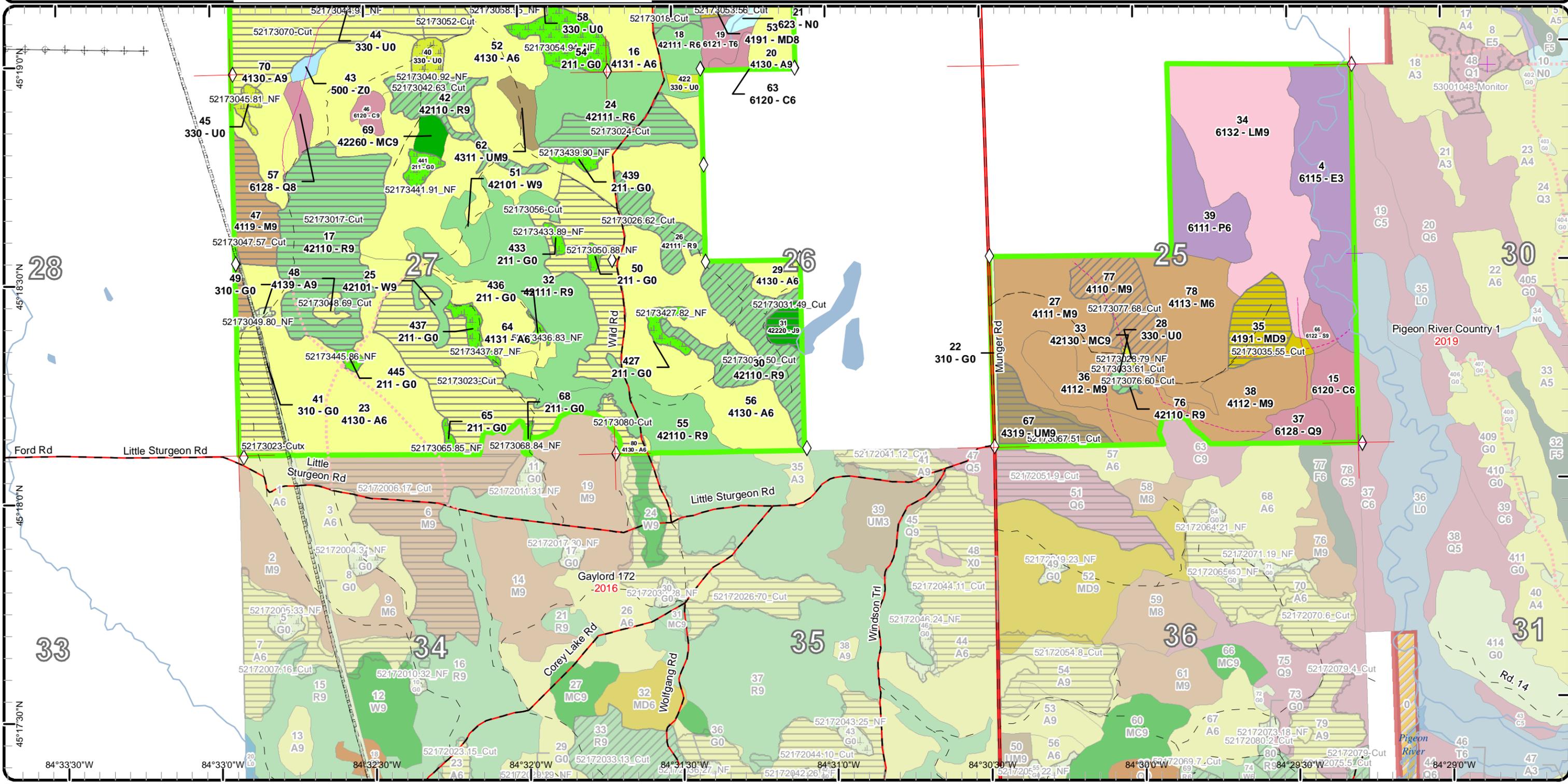
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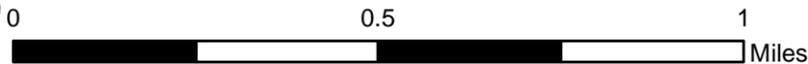
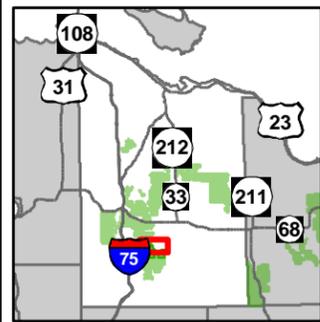


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- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- Lakes
- Thinning (Crown, Low, Systematic)

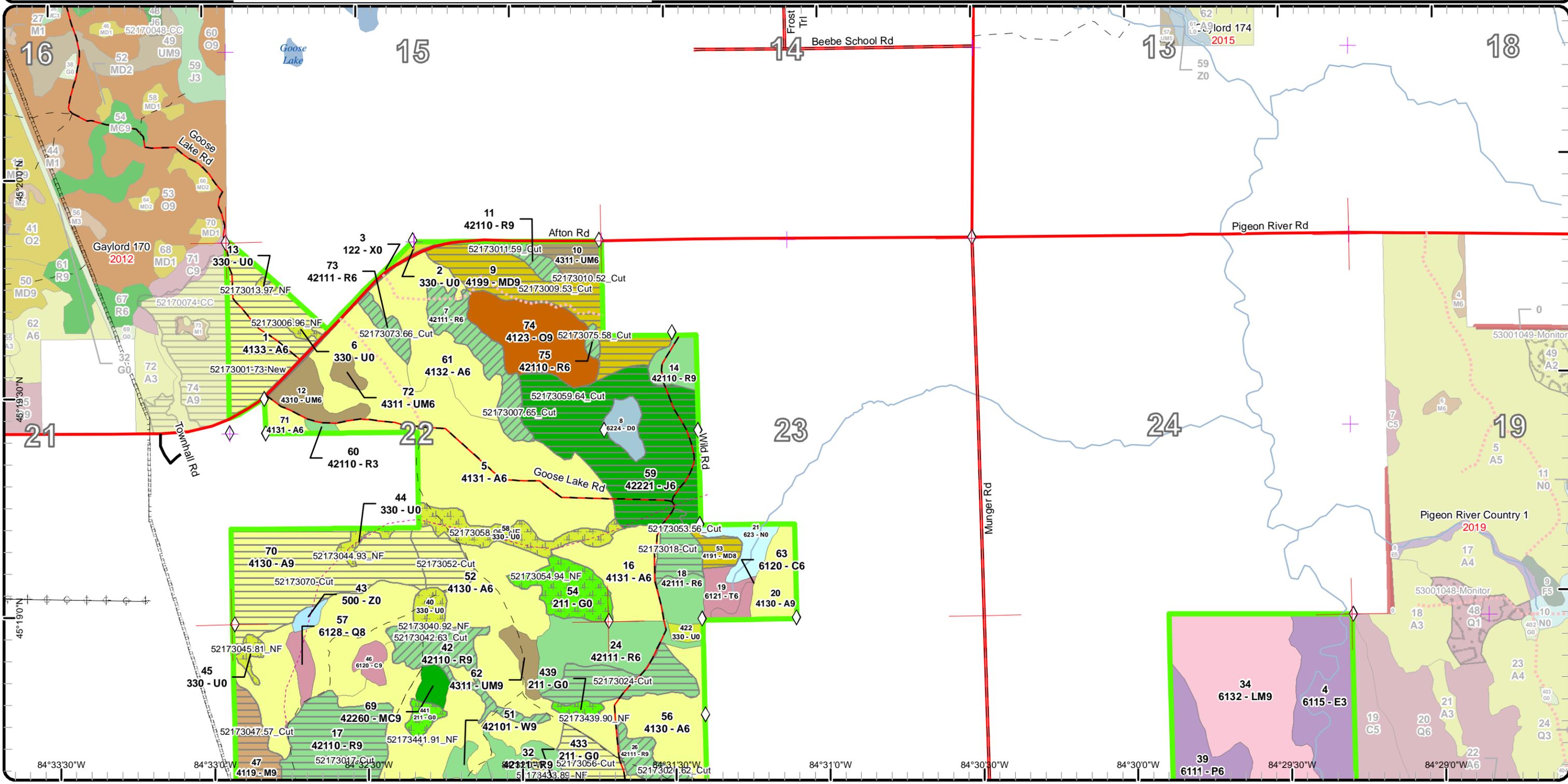


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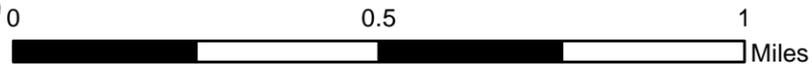
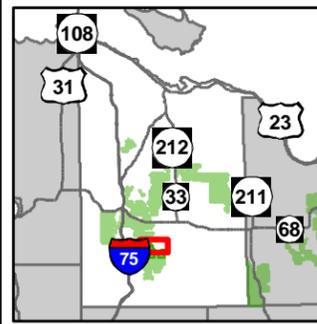


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|--|--|--|
| <ul style="list-style-type: none"> — Miris Corners + Remonumented Section Corners ◇ Field Grade GPS Corners — County Paved Roads — Paved Roads — County Gravel Roads — Poor Dirt Roads — County Poor Dirt Roads --- Trail (Non-Recreation) --- Closed Roads — Rivers — Pipeline — Powerline ▭ Compartment Boundary | <ul style="list-style-type: none"> ▭ Clearcut (w/Reserves) ▭ Other Treatment - See Comments ▨ Thinning (Crown, Low, Systematic) 411 - Northern Hardwood 412 - Oak Types 413 - Aspen Types 419 - Mixed Upland Deciduous 421 - Planted Pines 422 - Natural Pines 430 - Upland Mixed Forest 611 - Lowland Deciduous Forest 612 - Lowland Coniferous Forest 613 - Lowland Mixed Forest 122 - Roads/Parking Lot 211 - Cropland | <ul style="list-style-type: none"> 330 - Low Density Trees 500 - Water 622 - Lowland Shrub 623 - Emergent Wetland Lakes |
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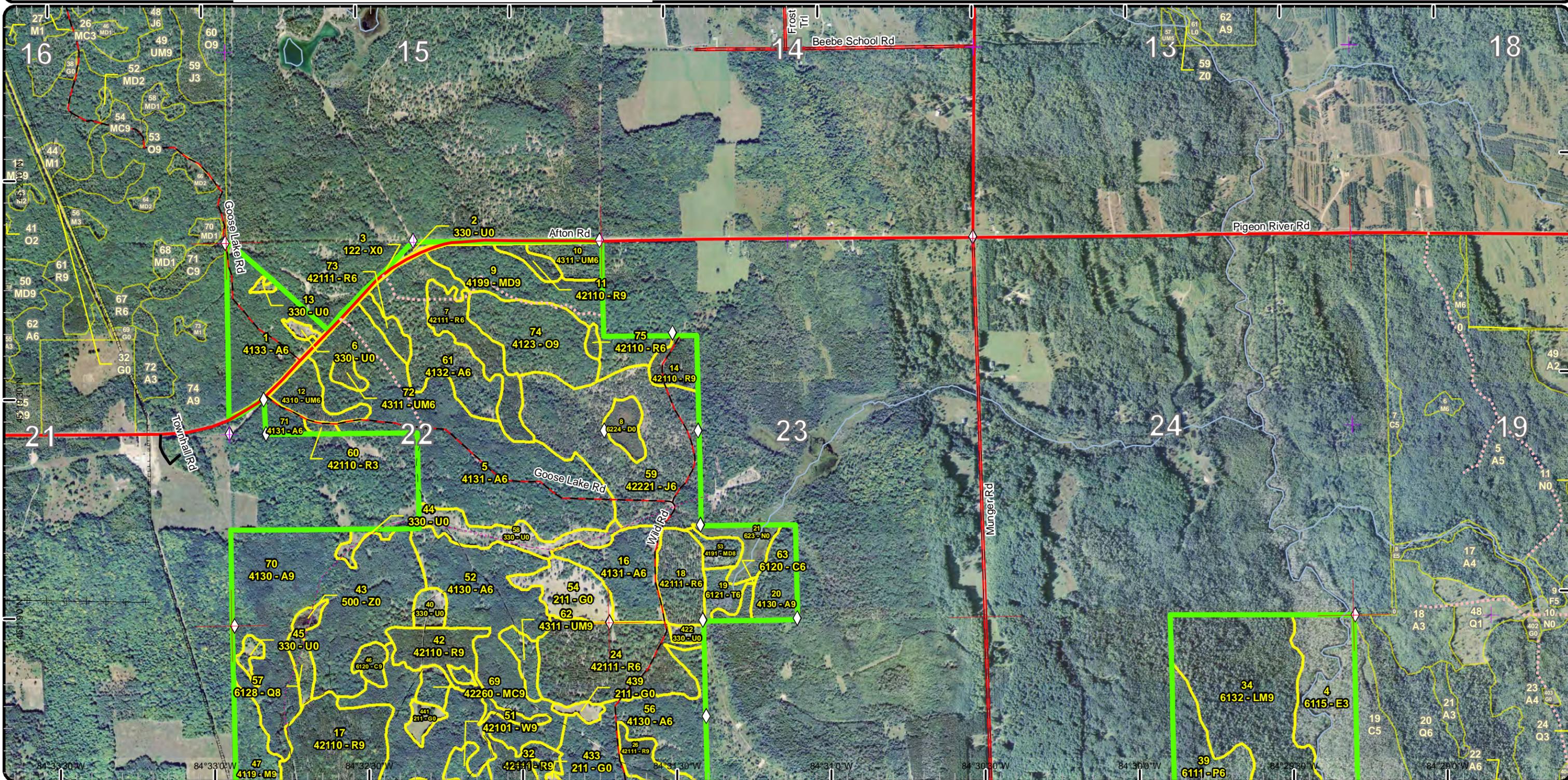


Stand Boundary Map

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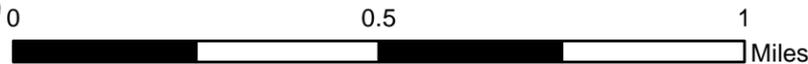
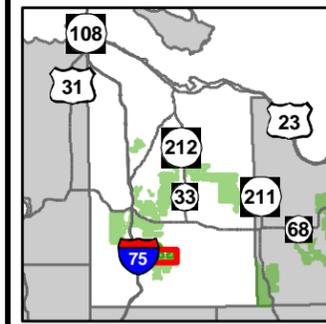


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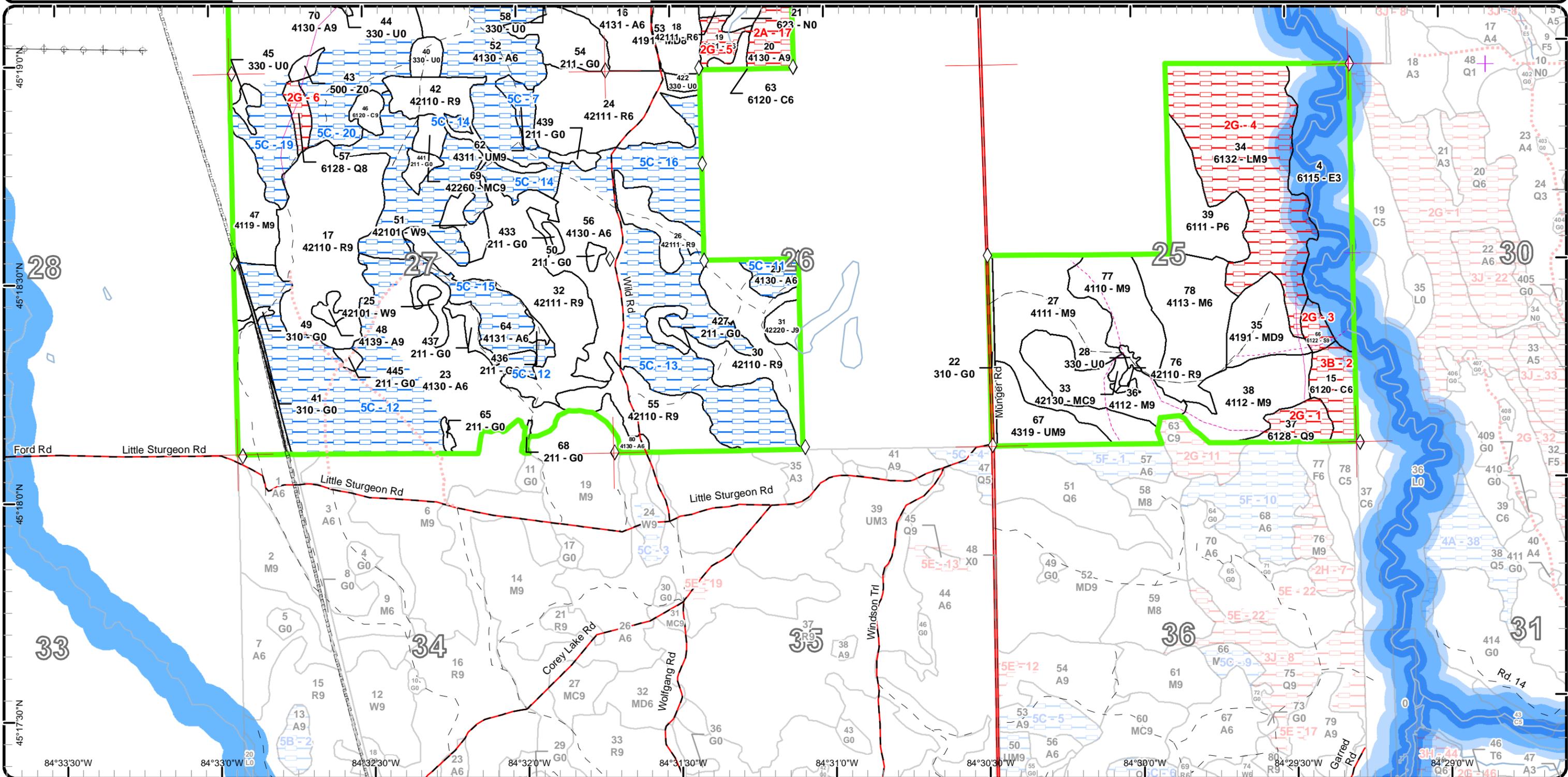


Special Conservation Areas & Site Conditions Map

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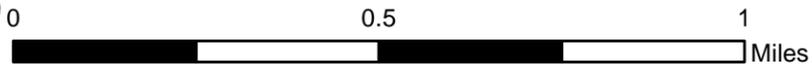
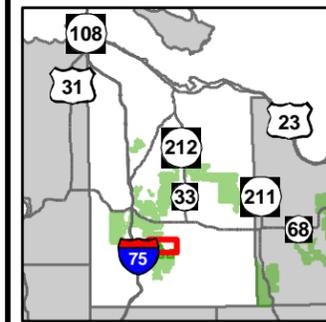


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 - - - Available w/ Constraints
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-
- Stand Boundaries
 - Natural Rivers Vegetative Buffer
 - Natural Rivers Zoning District
 - Cold Water Streams
 - Cold Water Lakes
 - High Priority Trout Stream Buffer

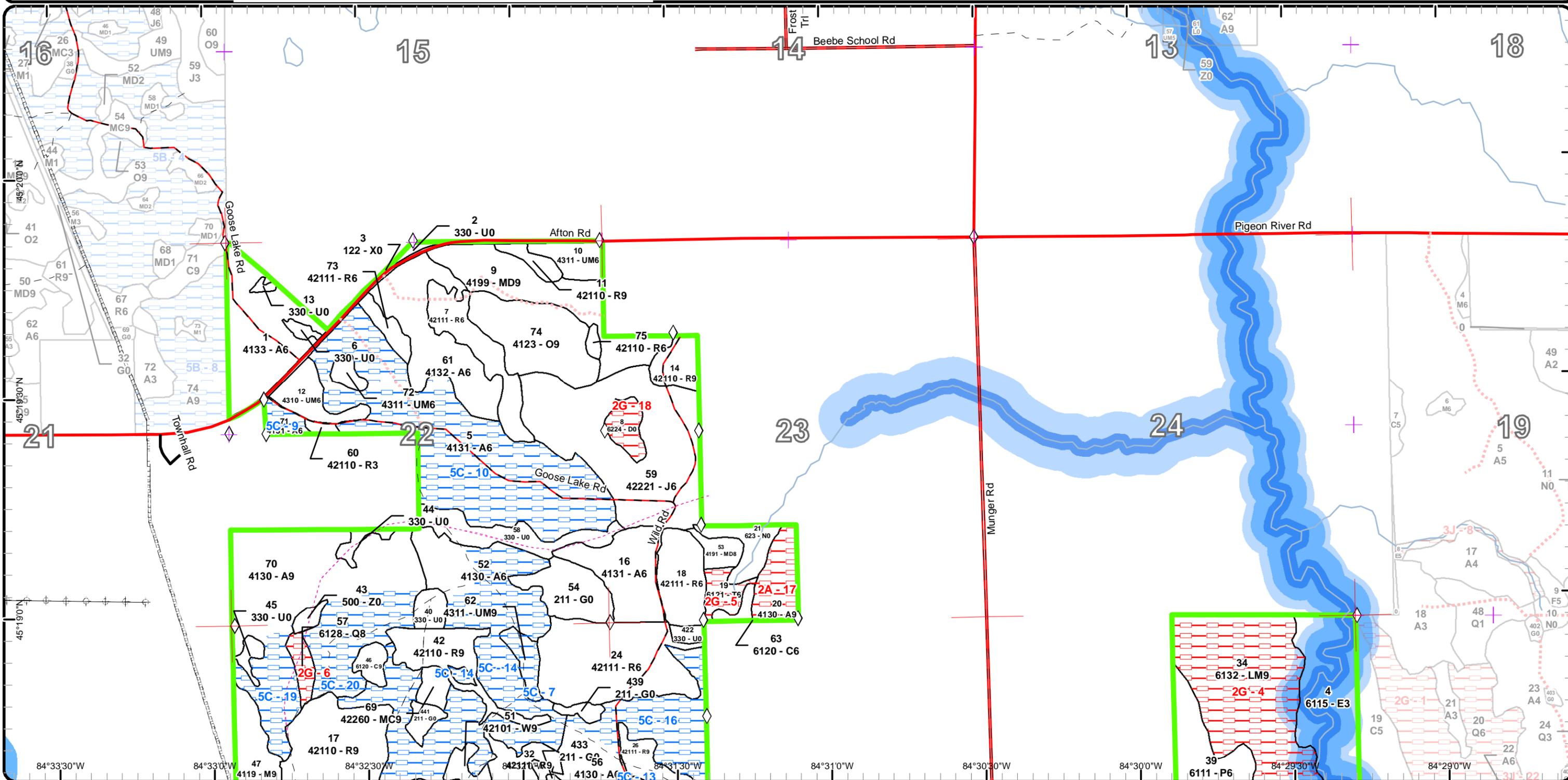


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- · - · Closed Roads
- Rivers
- Pipeline
- + Powerline
- Compartment Boundary
- Available w/ Constraints
- · - · Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- High Priority Trout Stream Buffer



Report 1 – Total Acres by Cover Type and Age Class



Age Class

| | Non-Forest | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | 90-99 | 100-109 | 110-119 | 120-129 | 130-139 | 140-149 | 150+ | Uneven-Aged | Total |
|-----------------------------|------------|----------|----------|-----------|-----------|----------|------------|------------|-----------|------------|------------|-----------|----------|-----------|----------|----------|----------|-------------|-------------|
| Aspen | 0 | 0 | 0 | 0 | 0 | 5 | 759 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 820 |
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| Cropland | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 |
| Herbaceous Openland | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Jack Pine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87 |
| Low-Density Trees | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 |
| Lowland Aspen/Balsam Poplar | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| Lowland Deciduous | 0 | 0 | 0 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 61 |
| Lowland Mixed Forest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96 |
| Lowland Spruce/Fir | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Marsh | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Mixed Upland Deciduous | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 64 |
| Natural Mixed Pines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Northern Hardwood | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 55 | 114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 215 |
| Oak | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 34 |
| Planted Mixed Pines | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Red Pine | 0 | 0 | 0 | 2 | 0 | 0 | 49 | 290 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 353 |
| Tamarack | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Treed Bog | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Upland Mixed Forest | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 6 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 50 |
| Urban | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Water | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| White Pine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| Total | 114 | 0 | 0 | 63 | 29 | 5 | 825 | 396 | 46 | 225 | 147 | 16 | 0 | 71 | 0 | 0 | 0 | 59 | 1995 |



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2018

Acres of Harvest

Compartment 173

Total Compartment Acres: 1,992

Commercial Harvest - 672
 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 | 235 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 235 |
| Jack Pine | 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 |
| Mixed Upland Deciduous | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 |
| Northern Hardwood | 23 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 50 |
| Planted Mixed Pines | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Red Pine | 104 | 0 | 0 | 0 | 0 | 106 | 0 | 0 | 0 | 210 |
| Upland Mixed Forest | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| Total | 539 | 0 | 0 | 0 | 0 | 134 | 0 | 0 | 0 | 672 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|------------|------------|------------|----------|----------|------------|------------|----------|-----------------|-------------|
| Current | 672 | 0 | 0 | 0 | 0 | 0 | 0 | 73 | 0 | 746 |
| Next Step | 0 | 288 | 256 | 0 | 0 | 104 | 723 | 0 | 0 | 1371 |
| Total | 672 | 288 | 256 | 0 | 0 | 104 | 723 | 0 | 73 | 2116 |



| Stand | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-------|---------------------|-------|-----------------------------|--------------------|-----------|-----------------|----------------|----------------------------|----------------------|---------------|-------------------------|
| 1 | 52173001.59_ Cut | 38.8 | 4133 - Aspen, Mixed Pine | Poletimber Well | 50 | Unspec ified | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Draft Field Boundary |

Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Do not cut oak or x-sized White Pine.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a moderate to well stocked mix of aspen and coniferous species.

Regen:

Other This stand was added to meet the aspen restart acres.

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|---|--------------------|-----|----------------------------|------------|---|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|
| 6 | 52173006.82_ NF | 1.8 | 330 - Low-Density Trees | Nonstocked | 0 | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |
|---|--------------------|-----|----------------------------|------------|---|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:Next StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|---|---------------------|------|---|--------------------|----|-------------|---------|------------------------|----------------------------|-----------|-------------------------|
| 7 | 52173007.53_ Cut | 20.4 | 42111 - Planted Red Pine, Mixed Deciduous | Poletimber Well | 58 | 171- 200 | Harvest | Systematic Thinning | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |
|---|---------------------|------|---|--------------------|----|-------------|---------|------------------------|----------------------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Thin stand by removing every third row. Also cut all Jack Pine. Do not cut oak. Only cut Red Maple/deciduous trees from rows. Continue

Specs: cutting the Red Pine around the large oaks which fall within the cutting row. Include the oak cutting restriction in sale conditions.

Next StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|---|---------------------|------|--|-------------------|-----|-------|---------|----------------------------|----------------------|-----------|-------------------------|
| 9 | 52173009.42_ Cut | 37.2 | 4199 - Other Mixed Upland Deciduous | Sawtimber Well | 121 | 51-80 | Harvest | Clearcut with Retention | 4131 - Aspen, Oak | Even-Aged | Draft Field Boundary |
|---|---------------------|------|--|-------------------|-----|-------|---------|----------------------------|----------------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Do not cut Red or White Pine. Mark individual and clumps of 2 to 4 oaks per acre within the stand to leave. Put retention pocket along Afton Road as visual barrier. Also put retention areas around some of the advanced oak regeneration and pulpwood size trees. Total retention acreage will be closure to 10%. Include the oak cutting restriction in the sale conditions.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a moderate to well stocked mix of aspen and oak species.

Regen:OtherComment:

Proposed Start Date: 10/01/2017



| 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 |
|-----------------------|---------------------|-------|---------------------------|--------------------|--------------|-------------|-------------------|---------------------|----------------------------|------------------|-------------------------|
| 10 | 52173010.41_ Cut | 8.9 | 4311 - Pine, Aspen Mix | Poletimber Well | 59 | 1-50 | Harvest | Clearcut | 4132 - Aspen, Jack Pine | Even-Aged | Draft Field Boundary |

Habitat Cut: No

Site Condition:

Prescription Harvest stand to regenerate. Do not cut Red Pine, White Pine, or oak. Cut in summer to scarify the soil to encourage natural regeneration. No stand retention due to small stand size. Include oak wilt cutting specification in sale requirements.

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

Acceptable Regen: Acceptable regeneration includes a moderate to well stocked mix of aspen, oak, and coniferous species.

Other Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|-----|-----------------------------|-------------------|----|-------------|---------|------------------------|----------------------------|-----------|-------------------------|
| 11 | 52173011.47_ Cut | 4.5 | 42110 - Planted Red Pine | Sawtimber Well | 58 | 141- 170 | Harvest | Systematic Thinning | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |
|----|---------------------|-----|-----------------------------|-------------------|----|-------------|---------|------------------------|----------------------------|-----------|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Thin stand by cutting every third row. Also, cut all Jack Pine. May need to mark the rows or individual trees. Include oak wilt cutting specification in sale requirements.

Next Step
Treatments:

Acceptable Regen:

Other Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|--------------------|-----|----------------------------|------------|---|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|
| 13 | 52173013.83_ NF | 1.0 | 330 - Low-Density Trees | Nonstocked | 0 | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |
|----|--------------------|-----|----------------------------|------------|---|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Next Step
Treatments:

Acceptable Regen:

Other Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|------|-----------------------------|-------------------|----|-------------|---------|----------------------------|----------------------------|-----------|-------------------------|
| 17 | 52173017.62_ Cut | 72.4 | 42110 - Planted Red Pine | Sawtimber Well | 60 | 141- 170 | Harvest | Clearcut with Retention | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |
|----|---------------------|------|-----------------------------|-------------------|----|-------------|---------|----------------------------|----------------------------|-----------|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Harvest stand and replant to Red Pine.

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

Acceptable Regen: Acceptable regeneration includes a well stocked, artificially planted Red Pine.

Other Comment: This treatment was added to meet the Red Pine restart acres.

Proposed Start Date: 10/01/2017



| Stand | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-------|---------------------|-------|---|--------------------|-----------|-------------|----------------|------------------|----------------------------|---------------|-------------------------|
| 18 | 52173018.14_ Cut | 10.4 | 42111 - Planted Red Pine, Mixed Deciduous | Poletimber Well | 58 | 111- 140 | Harvest | Clearcut | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |

Habitat Cut: No**Site Condition:**

Prescription Harvest stand and replant to Red Pine. No stand retention due to small stand size.

Specs:

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

Acceptable Acceptable regeneration includes a well stocked, artificially planted Red Pine.

Regen:

Other This treatment area was added to met the Red Pine restart acres.

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|------|--------------|--------------------|----|-----------------|---------|----------------------------|-------------|-----------|-------------------------|
| 23 | 52173023.56_ Cut | 54.9 | 4130 - Aspen | Poletimber Well | 50 | Unspec ified | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Draft Field Boundary |
|----|---------------------|------|--------------|--------------------|----|-----------------|---------|----------------------------|-------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Do not cut oak.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a moderate to well stocked stand of aspen.

Regen:

Other This treatment area was added to meet the aspen restart acres.

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|------|--------------|--------------------|----|-----------------|---------|----------------------------|-------------|-----------|-------------------------|
| 23 | 52173023.58_ Cut | 20.2 | 4130 - Aspen | Poletimber Well | 50 | Unspec ified | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Draft Field Boundary |
|----|---------------------|------|--------------|--------------------|----|-----------------|---------|----------------------------|-------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Do not cut oak.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a moderate to well stocked stand of aspen.

Regen:

Other This area was added to meet the aspen restart acres.

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|------|---|--------------------|----|--------|---------|----------------------------|----------------------------|-----------|-------------------------|
| 24 | 52173024.63_ Cut | 21.1 | 42111 - Planted Red Pine, Mixed Deciduous | Poletimber Well | 60 | 81-110 | Harvest | Clearcut with Retention | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |
|----|---------------------|------|---|--------------------|----|--------|---------|----------------------------|----------------------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Harvest stand and replant to Red Pine. Put stand retention along stand 439.

Specs:

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

Acceptable Acceptable regeneration consist of a well stocked, artificially planted Red Pine.

Regen:

Other This treatment area was added for Red Pine restart acres.

Comment:

Proposed Start Date: 10/01/2017



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------------|---------------------|-------|---|-------------------|--------------|-------------|-------------------|------------------------|----------------------------|------------------|-------------------------|
| 26 | 52173026.50_ Cut | 14.1 | 42111 - Planted Red Pine, Mixed Deciduous | Sawtimber Well | 60 | 201+ | Harvest | Systematic Thinning | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |

Habitat Cut: No

Site Condition:

Prescription Thin stand by removing every third row. Only remove deciduous trees within the thinned rows. Do not cut oak. Include oak wilt cutting
Specs: specification in sale requirements.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|--------------------|-----|----------------------------|------------|--|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|
| 28 | 52173028.64_ NF | 1.1 | 330 - Low-Density Trees | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |
|----|--------------------|-----|----------------------------|------------|--|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush, burn, or herbicide to maintain openings. Plant hard or soft mast.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|------|-----------------------------|-------------------|----|-------------|---------|------------------------|----------------------------|-----------|-------------------------|
| 30 | 52173030.39_ Cut | 39.7 | 42110 - Planted Red Pine | Sawtimber Well | 60 | 171- 200 | Harvest | Systematic Thinning | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |
|----|---------------------|------|-----------------------------|-------------------|----|-------------|---------|------------------------|----------------------------|-----------|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Thin stand by removing every third row. Only remove the deciduous trees within the thinned rows. Do not cut oak. Include oak wilt cutting
Specs: specification in sale requirements.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|-----|------------------------------|-------------------|----|--------|---------|----------------------------|--------------------------------|-----------|-------------------------|
| 31 | 52173031.38_ Cut | 6.1 | 42220 - Natural Jack Pine | Sawtimber Well | 61 | 81-110 | Harvest | Clearcut with Retention | 429 - Mixed Upland Conifers | Even-Aged | Draft Field Boundary |
|----|---------------------|-----|------------------------------|-------------------|----|--------|---------|----------------------------|--------------------------------|-----------|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Harvest Jack Pine to regenerate stand. Do not cut the White or Red Pine. Protect the White Pine understory if possible. Cut in summer to
Specs: encourage natural Jack Pine regeneration.

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

Acceptable Acceptable regeneration includes a moderate to well stocked mix of coniferous species.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017



| 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 |
|-----------------------|---------------------|-------|--------------------------------|-------------------|-----------|-----------------|----------------|------------------|--|---------------|-------------------------|
| 33 | 52173033.49_ Cut | 1.7 | 42130 - Planted Scotch Pine | Sawtimber Well | 56 | Unspec ified | Harvest | Clearcut | 4116 - Mixed N. Hardwood - Aspen | Even-Aged | Draft Field Boundary |

Habitat Cut: No**Site Condition:**

Prescription Harvest Scotch Pine overstory. No stand retention due to small stand size. Convert to a deciduous sapling stand.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a low to well stocked mix of deciduous species.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|------|--|-------------------|----|-----------------|---------|----------------------------|-------------------------------------|-----------|-------------------------|
| 35 | 52173035.43_ Cut | 19.1 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 81 | Unspec ified | Harvest | Clearcut with Retention | 4139 - Aspen, Mixed Deciduous | Even-Aged | Draft Field Boundary |
|----|---------------------|------|--|-------------------|----|-----------------|---------|----------------------------|-------------------------------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate, except White Pine. Cut in summer due to the steep slopes in some areas. Put retention along the north and east

Specs: boundary where the steep slopes are. Include the house structure (if still present) and the nonforested slope within the stand retention area. Also, do not harvest areas that have a 30% or greater slope.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a moderate to well stock mix of aspen and deciduous species.

Regen:

Other

Comment: Individual treatment areas can not be greater than 20 acres per Conservation Easement. Conservation Easement also prohibits harvesting on slopes greater than 30%

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|--------------------|-----|----------------------------|------------|---|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|
| 40 | 52173040.78_ NF | 5.3 | 330 - Low-Density Trees | Nonstocked | 0 | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |
|----|--------------------|-----|----------------------------|------------|---|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|------|-----------------------------|-------------------|----|------|---------|------------------------|----------------------------|-----------|-------------------------|
| 42 | 52173042.51_ Cut | 19.7 | 42110 - Planted Red Pine | Sawtimber Well | 60 | 201+ | Harvest | Systematic Thinning | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |
|----|---------------------|------|-----------------------------|-------------------|----|------|---------|------------------------|----------------------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Thin stand by removing every third row. Only cut deciduous trees from rows being thinned. Do not cut oak. Remove Red Pine trees when

Specs: operating around oak trees in the cutting rows. Include oak wilt cutting specification in sale requirements.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



| 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 |
|-----------------------|--------------------|-------|----------------------------|--------------|-----------|-----------------|----------------|------------------|---------------------------------|---------------|-------------------------|
| 44 | 52173044.79_ NF | 3.2 | 330 - Low-Density Trees | Nonstocked | 0 | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |

Habitat Cut: No**Site Condition:**

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|--------------------|-----|----------------------------|------------|---|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|
| 45 | 52173045.66_ NF | 2.9 | 330 - Low-Density Trees | Nonstocked | 0 | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |
|----|--------------------|-----|----------------------------|------------|---|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|------|------------------------------------|-------------------|----|-------------|---------|----------------------------|--|-----------------|-------------------------|
| 47 | 52173047.45_ Cut | 22.6 | 4119 - Mixed Northern Hardwoods | Sawtimber Well | 86 | 141- 170 | Harvest | Clearcut with Retention | 4116 - Mixed N. Hardwood - Aspen | Uneven- Aged | Draft Field Boundary |
|----|---------------------|------|------------------------------------|-------------------|----|-------------|---------|----------------------------|--|-----------------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Stand retention will be the triangle piece west of gas pipeline and may be closer to the 10% guideline. Include oak wilt cutting specification in sale requirements.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a mix of moderate to well stocked deciduous and aspen species.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|-----|----------------------------------|-------------------|----|-----------------|---------|----------|-------------------------------------|-----------|-------------------------|
| 48 | 52173048.37_ Cut | 2.8 | 4139 - Aspen, Mixed Deciduous | Sawtimber Well | 81 | Unspec ified | Harvest | Clearcut | 4139 - Aspen, Mixed Deciduous | Even-Aged | Draft Field Boundary |
|----|---------------------|-----|----------------------------------|-------------------|----|-----------------|---------|----------|-------------------------------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Do not cut oak or Red Pine. No other stand retention due to small stand size.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a moderate to well stocked mix of aspen and deciduous species.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



| 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 |
|-----------------------|--------------------|-------|------------------------------|-----------------|--------------|-----------------|-------------------|---------------------|---------------------------------|------------------|-------------------------|
| 49 | 52173049.65_ NF | 1.3 | 310 - Herbaceous Openland | Nonstocked | 0 | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |

Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|--------------------|-----|----------------|------------|--|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|
| 50 | 52173050.74_ NF | 1.5 | 211 - Cropland | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |
|----|--------------------|-----|----------------|------------|--|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|------|--------------|--------------------|----|-----------------|---------|----------|-------------|-----------|-------------------------|
| 52 | 52173052.60_ Cut | 11.7 | 4130 - Aspen | Poletimber Well | 50 | Unspec ified | Harvest | Clearcut | 413 - Aspen | Even-Aged | Draft Field Boundary |
|----|---------------------|------|--------------|--------------------|----|-----------------|---------|----------|-------------|-----------|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Harvest stand to regenerate. Do not cut oak species. No stand retention. Stand retention was left along the beaver dam and drainage way to the west.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a moderate to well stocked aspen and deciduous species.

Regen:

Other This treatment area was added to meet the aspen restart acres.

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|-----|--|---------------------|----|-----------------|---------|----------|-------------------------------------|-----------|-------------------------|
| 53 | 52173053.44_ Cut | 5.5 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Medium | 81 | Unspec ified | Harvest | Clearcut | 4139 - Aspen, Mixed Deciduous | Even-Aged | Draft Field Boundary |
|----|---------------------|-----|--|---------------------|----|-----------------|---------|----------|-------------------------------------|-----------|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Harvest stand to regenerate. Leave oak and White Pine. Cut in summer. Expand treatment boundary where possible to cut Jack Pine, especially to the northwest. No stand retention due to small stand size. Include oak wilt cutting specification in sale requirements.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regeneration includes a moderate to well stock mix of aspen, deciduous, and coniferous species.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



| 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 |
|-----------------------|--------------------|-------|--------------------|-----------------|--------------|-----------------|-------------------|---------------------|---------------------------------|------------------|-------------------------|
| 54 | 52173054.80_ NF | 17.6 | 211 - Cropland | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |

Habitat Cut: No**Site Condition:**

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|------|--------------|--------------------|----|-----------------|---------|----------------------------|-------------|-----------|-------------------------|
| 56 | 52173056.55_ Cut | 39.5 | 4130 - Aspen | Poletimber Well | 50 | Unspec ified | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Draft Field Boundary |
|----|---------------------|------|--------------|--------------------|----|-----------------|---------|----------------------------|-------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Do not cut oak.

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Acceptable regeneration includes a moderate to well stocked aspen stand.

Regen:

Other

This treatment area was added to meet the aspen restart acres.

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|--------------------|------|----------------------------|------------|---|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|
| 58 | 52173058.81_ NF | 17.7 | 330 - Low-Density Trees | Nonstocked | 0 | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |
|----|--------------------|------|----------------------------|------------|---|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|------|--|--------------------|----|-----------------|---------|----------------------------|-----------------------------|-----------|-------------------------|
| 59 | 52173059.52_ Cut | 79.9 | 42221 - Natural Jack Pine, Mixed Deciduous | Poletimber Well | 61 | Unspec ified | Harvest | Clearcut with Retention | 4222 - Natural Jack Pine | Even-Aged | Draft Field Boundary |
|----|---------------------|------|--|--------------------|----|-----------------|---------|----------------------------|-----------------------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Leave a 1/2 chain (33') buffer around stand 8. Buffer will also act as stand retention. Do not cut oak. Cut in summer to promote natural regeneration. If adequate Jack Pine natural regeneration does not occur, replant stand. Include oak wilt cutting specification in sale requirements.

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory); SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr)

Treatments:

Acceptable

Acceptable regeneration is a moderate to well stocked stand of Jack Pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



| 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 |
|-----------------------|--------------------|-------|--------------------|-----------------|--------------|-----------------|-------------------|---------------------|---------------------------------|------------------|-------------------------|
| 65 | 52173065.71_ NF | 1.8 | 211 - Cropland | Nonstocked | 0 | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |

Habitat Cut: No**Site Condition:**

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|------|-------------------------------|-------------------|----|-------------|---------|----------------------------|--------------------------------|-----------|-------------------------|
| 67 | 52173067.40_ Cut | 19.3 | 4319 - Mixed Upland Forest | Sawtimber Well | 86 | 111- 140 | Harvest | Clearcut with Retention | 4136 - Aspen, Mixed Conifer | Even-Aged | Draft Field Boundary |
|----|---------------------|------|-------------------------------|-------------------|----|-------------|---------|----------------------------|--------------------------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate and convert to an aspen cover type. Do not cut oak or pine species. Expand the treatment boundary to the north

Specs: and east to cut the residual Red Maple where possible.

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Acceptable regeneration includes a moderate to well stock mix of aspen and coniferous species.

Regen:

Other

Treatment can not be greater than 20 acres per Conservation Easement.

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|--------------------|-----|----------------|------------|---|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|
| 68 | 52173068.69_ NF | 0.7 | 211 - Cropland | Nonstocked | 0 | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |
|----|--------------------|-----|----------------|------------|---|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|------|--------------|-------------------|----|-----------------|---------|----------------------------|-------------|-----------|-------------------------|
| 70 | 52173070.61_ Cut | 61.6 | 4130 - Aspen | Sawtimber Well | 50 | Unspec ified | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Draft Field Boundary |
|----|---------------------|------|--------------|-------------------|----|-----------------|---------|----------------------------|-------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Do not cut oak species. Put retention around the beaver pond and along the drainage way to the east.

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Acceptable regeneration includes a mix of moderate to well stocked aspen a deciduous species.

Regen:

Other

This treatment area was added to meet the aspen restart acres.

Comment:

Proposed Start Date: 10/01/2017



| 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 |
|-----------------------|---------------------|-------|---|--------------------|--------------|-------------|-------------------|------------------------|----------------------------|------------------|-------------------------|
| 73 | 52173073.54_ Cut | 5.4 | 42111 - Planted Red Pine, Mixed Deciduous | Poletimber Well | 58 | 201+ | Harvest | Systematic Thinning | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |

Habitat Cut: No**Site Condition:**

Prescription Thin stand by removing every third row. Also, cut all Jack Pine. Include oak wilt cutting specification in sale requirements.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|-----|-----------------------------|--------------------|----|-------------|---------|------------------------|----------------------------|-----------|-------------------------|
| 75 | 52173075.46_ Cut | 1.7 | 42110 - Planted Red Pine | Poletimber Well | 58 | 171- 200 | Harvest | Systematic Thinning | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |
|----|---------------------|-----|-----------------------------|--------------------|----|-------------|---------|------------------------|----------------------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Thin stand by removing every third row. Only remove deciduous trees from the thinned rows. Include oak wilt cutting specification in sale requirements.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|-----|-----------------------------|-------------------|----|------|---------|------------------------|----------------------------|-----------|-------------------------|
| 76 | 52173076.48_ Cut | 0.7 | 42110 - Planted Red Pine | Sawtimber Well | 56 | 201+ | Harvest | Systematic Thinning | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |
|----|---------------------|-----|-----------------------------|-------------------|----|------|---------|------------------------|----------------------------|-----------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Thin stand by removing every third row. May need to mark the rows or individual trees. Target BA is 120.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|----|---------------------|------|-----------------------------------|-------------------|----|-------------|---------|----------------|--------------------------------------|-----------------|-------------------------|
| 77 | 52173077.36_ Cut | 27.3 | 4110 - Sugar Maple Association | Sawtimber Well | 91 | 111- 140 | Harvest | Crown Thinning | 4110 - Sugar Maple Association | Uneven- Aged | Draft Field Boundary |
|----|---------------------|------|-----------------------------------|-------------------|----|-------------|---------|----------------|--------------------------------------|-----------------|-------------------------|

Habitat Cut: No**Site Condition:**

Prescription Thin stand to 80 RBA.

Specs:

Next Step

Treatments:

Acceptable Acceptable regeneration includes a mix of deciduous species.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



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

| | | | | | | | | | | | |
|----|---------------------|-----|--------------|--------------------|----|--------|---------|----------|-------------|-----------|----------------|
| 80 | 52173080.57_ Cut | 5.2 | 4130 - Aspen | Poletimber Well | 43 | 81-110 | Harvest | Clearcut | 413 - Aspen | Even-Aged | Field Boundary |
|----|---------------------|-----|--------------|--------------------|----|--------|---------|----------|-------------|-----------|----------------|

Habitat Cut: No

Site Condition:

Prescription Harvest stand to regenerate. No stand retention due to small stand size. Include this stand with the prescribed treatment to the south in
Specs: compartment 172.

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

Acceptable Acceptable regeneration includes a moderate to well stocked stand of aspen.
Regen:

Other This treatment area was added to meet the aspen restart acres.
Comment:

Proposed Start Date: 09/01/2016

| | | | | | | | | | | | |
|-----|--------------------|-----|----------------|------------|--|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|
| 427 | 52173427.67_ NF | 4.4 | 211 - Cropland | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |
|-----|--------------------|-----|----------------|------------|--|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|-----|--------------------|-----|----------------|------------|--|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|
| 433 | 52173433.75_ NF | 1.5 | 211 - Cropland | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |
|-----|--------------------|-----|----------------|------------|--|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|-----|--------------------|-----|----------------|------------|--|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|
| 436 | 52173436.68_ NF | 1.4 | 211 - Cropland | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |
|-----|--------------------|-----|----------------|------------|--|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017



| 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 |
|-----------------------|--------------------|-------|-----------------|--------------|-----------|-----------------|----------------|------------------|---------------------------------|---------------|-------------------------|
| 437 | 52173437.73_ NF | 4.6 | 211 - Cropland | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |

Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|-----|--------------------|-----|----------------|------------|--|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|
| 439 | 52173439.76_ NF | 2.8 | 211 - Cropland | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |
|-----|--------------------|-----|----------------|------------|--|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|-----|--------------------|-----|----------------|------------|--|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|
| 441 | 52173441.77_ NF | 4.1 | 211 - Cropland | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |
|-----|--------------------|-----|----------------|------------|--|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

| | | | | | | | | | | | |
|-----|--------------------|-----|----------------|------------|--|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|
| 445 | 52173445.72_ NF | 1.8 | 211 - Cropland | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 310 - Herbaceous Openland | | Draft Field Boundary |
|-----|--------------------|-----|----------------|------------|--|-----------------|--------------|-----------------|---------------------------------|--|-------------------------|

Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

**Total Treatment
Acreage Proposed: 748.9**

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 173
Year of Entry: 2018

Availability for Management

| Total Acres | Acres Available | Acres Avail | | Dominant Site Conditions | Dominant Site Conditions | | | | |
|----------------|--------------------|----------------|---------------|-----------------------------|--------------------------|----|----|-----|----|
| | | With Condition | Not Available | | 5C | 5F | 2A | 2G | 3B |
| 819 | 304 | 500 | 15 | Aspen | 500 | | 15 | | |
| 23 | 8 | 0 | 15 | Cedar | | | | | 15 |
| 42 | 42 | 0 | 0 | Cropland | | | | | |
| 8 | 8 | 0 | 0 | Herbaceous Openland | | | | | |
| 87 | 87 | 0 | 0 | Jack Pine | | | | | |
| 37 | 37 | 0 | 0 | Low-Density Trees | | | | | |
| 29 | 29 | 0 | 0 | Lowland Aspen/Balsam Poplar | | | | | |
| 16 | 0 | 0 | 16 | Lowland Conifers | | | | 16 | |
| 61 | 61 | 0 | 0 | Lowland Deciduous | | | | | |
| 96 | 0 | 0 | 96 | Lowland Mixed Forest | | | | 96 | |
| 5 | 0 | 0 | 5 | Lowland Spruce/Fir | | | | 5 | |
| 10 | 10 | 0 | 0 | Marsh | | | | | |
| 64 | 64 | 0 | 0 | Mixed Upland Deciduous | | | | | |
| 5 | 5 | 0 | 0 | Natural Mixed Pines | | | | | |
| 215 | 169 | 46 | 0 | Northern Hardwood | | 46 | | | |
| 34 | 34 | 0 | 0 | Oak | | | | | |
| 2 | 2 | 0 | 0 | Planted Mixed Pines | | | | | |
| 351 | 351 | 0 | 0 | Red Pine | 0 | | | | |
| 7 | 0 | 0 | 7 | Tamarack | | | | 7 | |
| 8 | 0 | 0 | 8 | Treed Bog | | | | 8 | |
| 51 | 45 | 6 | 0 | Upland Mixed Forest | 6 | | | | |
| 6 | 6 | 0 | 0 | Urban | | | | | |
| 3 | 3 | 0 | 0 | Water | | | | | |
| 13 | 13 | 0 | 0 | White Pine | | | | | |
| 1,992 | 1,278 | 553 | 162 | Total Forested Acres | 507 | 46 | 15 | 131 | 15 |
| | 64% | 28% | 8% | Relative Percent | | | | | |

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

| Site No. | Dominant Site Cond Availability | Dominant Site Condition | Acres | Other Site Condition | Other Site Condition | Other Site Condition | Other Site Condition |
|------------------|---------------------------------|---|-------|----------------------|----------------------|----------------------|----------------------|
| 1 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 11 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 173
Year of Entry: 2018

| | | | | | | | |
|--|--------------------|--|----|---|-------------|-------------|-------------|
| Stream running west to east through stand. | | | | | | | |
| 2 | Unavailable | 3B: Threatened, endangered, and special concern species | 16 | 2G: Too wet (sensitive soils, does not include access issues) | Unspecified | Unspecified | Unspecified |
| Comments: Poor quality cedar with many dead trees. | | | | | | | |
| 3 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 5 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 4 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 96 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Seeps and surface drainages through the stand. Stand also includes a MNFI Rich Conifer Swamp. | | | | | | | |
| 5 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 7 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Poor quality trees with very small growth rings. | | | | | | | |
| 6 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 5 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Area of lowland shrub in center of stand. Beaver activity. Old railroad grade running through stand. | | | | | | | |

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 173
Year of Entry: 2018

| | | | | | | | |
|---|------------------|---|-----|-------------|-------------|-------------|-------------|
| 7 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: White Pine was interplanted. Hard to see any rows and the stand looks natural. BA is 123. | | | | | | | |
| 8 | Available | 5F: Evaluated for Forest Health Considerations | 46 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: There is a Conservation Easement on this property held by the Little Traverse Conservancy which has a requirement that no more than 10% of the total property shall be clear cut within a 10 year period. | | | | | | | |
| 9 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 5 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Delay treatment until next YOE. | | | | | | | |
| 10 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 116 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Delay treatment until next YOE. | | | | | | | |
| 11 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 8 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Delay treatment until next YOE. | | | | | | | |

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 173
Year of Entry: 2018

| | | | | | | | |
|---|------------------|---|-----|-------------|-------------|-------------|-------------|
| 12 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 91 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Delay treatment until next YOE. | | | | | | | |
| 13 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 73 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Delay treatment until next YOE. | | | | | | | |
| 14 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 101 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Delay treatment until next YOE. | | | | | | | |
| 15 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 21 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Delay treatment until next YOE. | | | | | | | |
| 16 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 34 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Delay treatment until next YOE. | | | | | | | |

Report 4 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 173
Year of Entry: 2018

| | | | | | | | |
|---|--------------------|---|----|---|-------------|-------------|-------------|
| 17 | Unavailable | 2A: Adjacent landowner denied access | 15 | 2B: Unknown if access through adjacent landowner(s) is possible | Unspecified | Unspecified | Unspecified |
| Comments: Landowner to the south has denied access. He may reconsider access at next YOE. Have not been able to contact landowner to the east about access. | | | | | | | |
| 18 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 8 | 3K: Rare or unique landforms | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 19 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 20 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Delay treatment until next YOE. | | | | | | | |
| 20 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 32 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Delay treatment until next YOE. | | | | | | | |

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

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

Comments

**Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

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

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

| Conservation Area | Type | Description |
|--------------------------|-------------------|--|
| SCA | Cold Water Stream | A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210. |
| SCA | Riparian Area | A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity. |
| HCVA | Natural Rivers | There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|--------------------|-------|--------------|-------------|--|
| 1 | 4133 - Aspen, Mixed Pine | Poletimber Well | 38.8 | 50 | Unspecified | OPIC - FMD: 3-4 in aspen, 25-35 ft. tall. Some scattered R. Pine. 2016 A few larger diameter x-sized White Pine and oak scattered in stand. Pocket of larger aspen (10" - 12" DBH) in southwest corner of stand. |
| 4 | 6115 - Lowland Ash | Sapling Well | 61.2 | 21 | Immature | 2016 Overstory of dead, pole and log sized Black Ash from EAB. Ash is falling over. |
| 5 | 4131 - Aspen, Oak | Poletimber Well | 116.4 | 50 | Unspecified | OPIC - FMD: SCATTERED OAK & PINE LOGS, aspen 3-4in, 25-35ft tall. 2016 No comments. |
| 7 | 42111 - Planted Red Pine, Mixed Deciduous | Poletimber Well | 20.4 | 58 | 171-200 | 2016 Jack Pine dying out. BA is 173 |
| 9 | 4199 - Other Mixed Upland Deciduous | Sawtimber Well | 37.2 | 121 | 51-80 | 2016 Large crowned oak on top of steep slope which runs east/west. Pocket of aspen in east part of stand which is beginning to decay and fall apart. Good oak regeneration has started. BA is about 70. |
| 10 | 4311 - Pine, Aspen Mix | Poletimber Well | 8.9 | 59 | 1-50 | 2016 Jack Pine is very branchy, dying out and is not real tall (3 sticks). Some log sized Jack Pine. Pocket of smaller diameter aspen in north corner of stand. Old gate on two-track road west of the private boundary along the east boundary of the stand. |
| 11 | 42110 - Planted Red Pine | Sawtimber Well | 4.5 | 58 | 141-170 | 2016 Jack Pine dying out. Pockets of lower BA with bigger DBH. hard to see rows in some areas. BA is 147 |
| 12 | 4310 - Pine, Oak Mix | Poletimber Well | 11.6 | 58 | 111-140 | OPIC - FMD: (10/19/11 John Scheele). Stand thinned as part of Wild Road Red Pine sale (52-104-08-01). Old Comments: Small diameter R.Pine, scattered aspen, oak, J.Pine and W. Pine in understory. 2016 Row thinned in 2011. Short, poor quality pine. Pockets of aspen. Smaller diameter Red Pine along the edges of the stand. Small pocket of White Pine along Afton Rd. BA is 138. |
| 14 | 42110 - Planted Red Pine | Sawtimber Well | 9.3 | 58 | 111-140 | OPIC - FMD: 10/19/11 Stand was thinned as part of Wild Road Red Pine sale (52-104-08-01). 2016 Larger diameter trees in the southeast corner of stand. BA is 130. |
| 15 | 6120 - Lowland Cedar | Poletimber Well | 15.5 | 91 | Unspecified | 2016 Poor quality cedar with dead tops on some of them. |
| 16 | 4131 - Aspen, Oak | Poletimber Well | 25.9 | 50 | 51-80 | 2016 No comments. |
| 17 | 42110 - Planted Red Pine | Sawtimber Well | 72.4 | 60 | 141-170 | OPIC - FMD: 10/19/11 Stand thinned as part of Wild Road Red Pine sale (51-104-08-01). 2016 Thick understory is spots. Small pockets of Big Tooth Aspen scattered within stand. BA is 147. |
| 18 | 42111 - Planted Red Pine, Mixed Deciduous | Poletimber Well | 18.2 | 58 | 111-140 | OPIC - FMD: 10/19/11 Stand thinned as part of Wild Road Red Pine sale (52-104-08-01). 2016 BA is 112. Old railroad grade along east side of the stand. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|--------------------|-------|--------------|-------------|--|
| 19 | 6121 - Tamarack | Poletimber Well | 6.9 | 91 | Unspecified | OPIC - FMD: Wet, Cattails. 2016 Poor quality trees with very small growth rings. |
| 20 | 4130 - Aspen | Sawtimber Well | 14.9 | 86 | 81-110 | OPIC - FMD: NO ACCESS A mix of aspen, jack pine and red pine would be acceptable regeneration. 2016 Large White Pine along edge of stand near the lowland. Aspen beginning to decay and fall over. Old wire along the south boundary line. |
| 23 | 4130 - Aspen | Poletimber Well | 166.3 | 50 | Unspecified | OPIC - FMD: 3-4in aspen, 25-35ft tall . White, Red, Jack Pine and oak scattered throughout stand. 2016 Individual x-sized oaks and beech scattered within stand. Pockets of smaller diameter aspen. |
| 24 | 42111 - Planted Red Pine, Mixed Deciduous | Poletimber Well | 49.9 | 60 | 81-110 | OPIC - FMD: 10/19/11 Stand thinned as part of Wild Road Red Pine sale (52-104-08-01). Old Comments: Thin pine and remove aspen. 2016 Large crowned, multi-stemmed oak in areas of stand. Lower BA along the north boundary of stand. BA and DBH is variable throughout stand. BA is 86. |
| 25 | 42101 - Planted White Pine, Mixed Deciduous | Sawtimber Well | 5.7 | 60 | 111-140 | OPIC - FMD: OI Stand Year Origin was 1959. 2016 Interplanted White Pine with large diameter beech that has heavy beech scale. BA is 133. |
| 26 | 42111 - Planted Red Pine, Mixed Deciduous | Sawtimber Well | 14.1 | 60 | 201+ | 2016 Pockets of very dense, tall, good quality Red Pine. Variable DBH from 6" to 12". northeast boundary has smaller Red Pine and larger component of oak and aspen. Stand has never been thinned. BA is 267. |
| 27 | 4111 - S.Maple, Hard Mast Association | Sawtimber Well | 57.1 | 91 | 81-110 | 2016 Aspen was removed in the last 10 years or so. Sugar Maple is average quality, lower quality compared to stand 36. High amount of multi-stemmed trees. Small canopy gaps with heavy beech and ironwood regeneration. Very few good quality crop trees. Moderate beech scale present. BA is 90. |
| 29 | 4130 - Aspen | Poletimber Well | 7.6 | 50 | Unspecified | OPIC - FMD: 3-4in aspen, 30-40ft tall. Some RP around edges. 2016 No comments. |
| 30 | 42110 - Planted Red Pine | Sawtimber Well | 39.7 | 60 | 171-200 | 2016 Fairly branchy Red Pine with missing trees within the rows. Larger diameter pine in areas with lower BA. Variable BAs throughout the stand. Poorer quality Red Pine in the peninsula to the west. Ba is 180. |
| 31 | 42220 - Natural Jack Pine | Sawtimber Well | 6.1 | 61 | 81-110 | 2016 Tall Jack Pine (5 - 6 sticks) that is starting to die and fall over. Many dead standing trees. Pockets of lower ground that has Jack Pine regeneration. The high ground has the high White Pine regeneration. The private line has been established along the east boundary. |
| 32 | 42111 - Planted Red Pine, Mixed Deciduous | Sawtimber Well | 63.0 | 60 | 111-140 | OPIC - FMD: 10/19/11 Stand thinned as part of Wild Road Red Pine sale (52-104-08-01). John Scheele. 2016 Large crowned oak trees in overstory. BA is 138. |
| 33 | 42130 - Planted Scotch Pine | Sawtimber Well | 1.7 | 56 | Unspecified | 2016 Relative straight, 4 stick tall, Scotch Pine. No log quality sticks. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|---|------------------|-------|--------------|-------------|---|
| 34 | 6132 - Mixed Lowland Forest with Cedar | Sawtimber Well | 95.7 | 81 | Unspecified | 2016 Over-mature, poor quality aspen and Balsam Poplar with trunk rot. Some balsam fir falling over or breaking off. Birch is dying out. Seeps and drainages in northwest corner of stand. Small pockets of cedar within stand and along the seeps and drainages. |
| 35 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 21.1 | 81 | Unspecified | 2016 Stand surrounds the 2 cabins which are planned to be removed. Some x-sized aspen. Some very steep slopes on the north and east sides of the stand. |
| 36 | 4112 - Maple, Beech, Cherry Association | Sawtimber Well | 29.3 | 91 | 51-80 | 2016 Light removal of aspen in the past. Many multi-stemmed trees. Medium to high beech scale present with some breakage of trees. More Sugar Maple component in the west part of stand. BA is 75. |
| 37 | 6128 - Lowland Coniferous, Mixed Deciduous | Sawtimber Well | 11.0 | 101 | Unspecified | 2016 Stream running through stand. Balsam Fir is dying and falling over. Better quality and health than stand to the east. |
| 38 | 4112 - Maple, Beech, Cherry Association | Sawtimber Well | 32.7 | 86 | Unspecified | 2016 Nice quality Red Maple logs. Birch dying out. Drainage way with steep slopes flowing west to east in middle of stand. Fairly steep slopes facing east towards river. Many elk tracks and droppings. BA is 143. |
| 39 | 6111 - Lowland Balsam Poplar | Poletimber Well | 29.2 | 31 | Immature | 2016 Stream in south part of stand flowing east. Some cedar is blowing over. Pocket of cattails along east boundary of stand. |
| 42 | 42110 - Planted Red Pine | Sawtimber Well | 19.7 | 60 | 201+ | 2016 Red Pine is fairly branchy in some areas. There are a few missing trees within the rows. BA is 220. |
| 46 | 6120 - Lowland Cedar | Sawtimber Well | 4.7 | 101 | 51-80 | OPIC - FMD: Wet, low. Cedar fir spruce mix. 2016 Balsam Fir is starting to fall over. Elk tracks and droppings observed. |
| 47 | 4119 - Mixed Northern Hardwoods | Sawtimber Well | 22.6 | 86 | 141-170 | 2016 Stand slopes to the east. Heavy beech scale on some of the beech but not all. BA is 163. |
| 48 | 4139 - Aspen, Mixed Deciduous | Sawtimber Well | 2.8 | 81 | Unspecified | 2016 Beech has large crowns. Aspen is dying out. Poor quality hardwood. |
| 51 | 42101 - Planted White Pine, Mixed Deciduous | Sawtimber Well | 7.5 | 60 | 111-140 | 2016 Interplanted White Pine planting. Large crowned Red Oak and beech. Heavy beech scale is present. Poor quality maple and beech. BA is 125. |
| 52 | 4130 - Aspen | Poletimber Well | 114.2 | 50 | Unspecified | OPIC - FMD: 3-4in aspen, 25-35ft tall . White, Red, Jack Pine and oak scattered throughout stand. 2016 No comments. |
| 53 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Medium | 5.5 | 81 | Unspecified | 2016 High ground that has Jack Pine along the edges of the low ground. |
| 55 | 42110 - Planted Red Pine | Sawtimber Well | 31.0 | 60 | 111-140 | OPIC - FMD: 10/19/11 Stand thinned as part of Wild Road Red Pine sale (52-104-08-01). 2016 BA is 133. |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|--|------------------|-------|-----------|-------------|--|
| 56 | 4130 - Aspen | Poletimber Well | 148.9 | 50 | Unspecified | OPIC - FMD: 3-4in aspen, 25-35ft tall . White, Red, Jack Pine and oak scattered throughout stand. 2016 No comments. |
| 57 | 6128 - Lowland Coniferous, Mixed Deciduous | Sawtimber Medium | 5.3 | 91 | Unspecified | 2016 Area of lowland shrub in center of stand. Beaver activity. Old railroad grade running through stand. |
| 59 | 42221 - Natural Jack Pine, Mixed Deciduous | Poletimber Well | 81.3 | 61 | Unspecified | 2016 Short, very branchy Jack Pine. Closure to 75% canopy closure. Some large Jack Pine dying out. Fair amount of mortality beginning to occur. |
| 60 | 42110 - Planted Red Pine | Sapling Well | 1.6 | 21 | Immature | 2016 Trees were planted by a private citizen approximately 20 years ago. |
| 61 | 4132 - Aspen, Jack Pine | Poletimber Well | 37.8 | 50 | 1-50 | 2016 Some larger aspen (12" DBH) scattered within stand. |
| 62 | 4311 - Pine, Aspen Mix | Sawtimber Well | 6.3 | 60 | 111-140 | 2016 White Pine was interplanted. Hard to see any rows and the stand looks natural. BA is 123. |
| 63 | 6120 - Lowland Cedar | Poletimber Well | 2.9 | 87 | Unspecified | |
| 64 | 4131 - Aspen, Oak | Poletimber Well | 21.1 | 50 | Unspecified | OPIC - FMD: 3-4in aspen, 25-35ft tall . White, Red, Jack Pine and oak scattered thruout stand. 2016 Scattered multi-stemmed, large oak in overstory. Elk and deer droppings under the large oak trees. |
| 66 | 6122 - Black Spruce | Sawtimber Well | 5.0 | 91 | Unspecified | |
| 67 | 4319 - Mixed Upland Forest | Sawtimber Well | 20.5 | 86 | 111-140 | 2016 Most of the aspen was cut out of stand in the past. Small pockets of aspen regeneration. Multi-stemmed Red Maple trees in the overstory. Some 12" DBH Red Maple and Balsam Fir trees. |
| 69 | 42260 - Natural Pine, Mixed Deciduous | Sawtimber Well | 4.8 | 81 | 81-110 | OPIC - FMD: 3-4in aspen, 25-35ft tall . White, Red, Jack Pine and oak scattered throughout stand. 2016 Some x-sized DBH White Pine scattered in the stand. BA is 90. |
| 70 | 4130 - Aspen | Sawtimber Well | 114.8 | 50 | Unspecified | OPIC - FMD: 3-4in aspen, 25-35ft tall . White, Red, Jack Pine and oak scattered throughout stand. 2016 A few x-sized Red Oak and Sugar Maple trees scattered within the stand. A pocket of x-sized Red Oak overstory along access road adjacent to the cedar stand (stand 46). Possible old-growth trees with DBH 30" or more. |
| 71 | 4131 - Aspen, Oak | Poletimber Well | 4.9 | 50 | Unspecified | OPIC - FMD: SCATTERED OAK & PINE LOGS, aspen 3-4in, 25-35ft tall. 2016 No comments. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|---|--------------------|-------|--------------|-------------|---|
| 72 | 4311 - Pine, Aspen Mix | Poletimber Well | 3.6 | 58 | 141-170 | OPIC - FMD: (10/19/11 John Scheele). Stand thinned as part of Wild Road Red Pine sale (52-104-08-01). Old Comments: Small diameter R.Pine, scattered aspen, oak, J.Pine and W. Pine in understory. 2016 Row thinned in 2011. Red Pine diameter is variable from 4" to 10". BA is 146. |
| 73 | 42111 - Planted Red Pine, Mixed Deciduous | Poletimber Well | 5.4 | 58 | 201+ | 2016 Variable Red Pine DBH (4" to 10"). Jack Pine is in outer edge of the stand. Dense pocket of pine in the south part of the stand. BA is 203. |
| 74 | 4123 - Red Oak | Sawtimber Well | 33.9 | 121 | 111-140 | 2016 Red Pine (2 sticks tall) was planted under an oak overstory. Some oak trees are greater than 24" DBH. Large crowned oak. Very poor growing Red Pine. Pine DBH range from 3" to 10". Oak BA is 77. Total BA is 120. |
| 75 | 42110 - Planted Red Pine | Poletimber Well | 1.7 | 58 | 171-200 | BA is 173 |
| 76 | 42110 - Planted Red Pine | Sawtimber Well | 0.7 | 56 | 201+ | 2016 Nice, tall Red Pine. Hard to see individual rows. BA is 223. |
| 77 | 4110 - Sugar Maple Association | Sawtimber Well | 27.3 | 91 | 111-140 | 2016 High quality Sugar Maple crop tree potential. Appears to have had no past management or cutting done. Tall Sugar Maple trees with few branches. Slightly bigger diameter Sugar Maple trees in north part of stand. Light beech scale. BA is 137. |
| 78 | 4113 - R.Maple, Conifer | Poletimber Well | 45.7 | 76 | Unspecified | 2016 Aspen was removed approximately 10 years ago. Scattered larger diameter Sugar Maple trees and larger Balsam Fir along the wetter ground in the east part of stand. Some Balsam Fir breaking off and falling over. |
| 80 | 4130 - Aspen | Poletimber Well | 5.0 | 43 | 81-110 | |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|---------------------------|-------|--------------|---|
| 2 | 330 - Low-Density Trees | 1.4 | No | 2016 Small area north of Afton Road and under a power line. |
| 3 | 122 - Road/Parking Lot | 6.1 | No | |
| 6 | 330 - Low-Density Trees | 1.8 | No | |
| 8 | 6224 - Treed Bog | 7.6 | No | OPIC - FMD: Boggy, low. 2016 No comments. |
| 13 | 330 - Low-Density Trees | 1.0 | No | |
| 21 | 623 - Emergent Wetland | 9.8 | No | |
| 22 | 310 - Herbaceous Openland | 4.2 | No | 2016 Stand is under a power line. |
| 28 | 330 - Low-Density Trees | 1.1 | No | 2016 3' - 7' tall Scotch Pine is establishing in the opening. |
| 40 | 330 - Low-Density Trees | 5.3 | No | 2016 Low density cherry trees. |
| 41 | 310 - Herbaceous Openland | 2.7 | No | |
| 43 | 500 - Water | 2.6 | No | 2016 Beaver activity. |
| 44 | 330 - Low-Density Trees | 3.2 | No | |
| 45 | 330 - Low-Density Trees | 2.9 | No | |
| 49 | 310 - Herbaceous Openland | 1.3 | No | |
| 50 | 211 - Cropland | 1.5 | No | 2016 Managed wildlife opening. |
| 54 | 211 - Cropland | 17.6 | Yes | 2016 Managed wildlife opening. |
| 58 | 330 - Low-Density Trees | 17.7 | No | |
| 65 | 211 - Cropland | 1.8 | Yes | 2016 Managed wildlife opening. |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|-------------------------|-------|--------------|--------------------------------|
| 68 | 211 - Cropland | 0.7 | Yes | 2016 Managed wildlife opening. |
| 422 | 330 - Low-Density Trees | 2.5 | No | |
| 427 | 211 - Cropland | 4.4 | Yes | 2016 Managed wildlife opening. |
| 433 | 211 - Cropland | 1.5 | Yes | 2016 Managed wildlife opening. |
| 436 | 211 - Cropland | 1.4 | Yes | 2016 Managed wildlife opening. |
| 437 | 211 - Cropland | 4.6 | Yes | 2016 Managed wildlife opening. |
| 439 | 211 - Cropland | 2.8 | Yes | 2016 Managed wildlife opening. |
| 441 | 211 - Cropland | 4.1 | Yes | 2016 Managed wildlife opening. |
| 445 | 211 - Cropland | 1.8 | Yes | 2016 Managed wildlife opening. |