



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52026

Entry Year 2020

Acreage: 1,877

County Otsego

Management Area: AuSable Outwash

Revision Date: 2018-02-28

Stand Examiner: Hilary Wells

Legal Description:

T30n, R2W, Sections 28, 29, 30, 31, and 32.

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, and environmental, and economic benefit of the State of Michigan.

Soil and topography:

The major soil type is Rubicon-Grayling sand with a small area of Roselawn-Rubicon sand in section 28.

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

All sections that make up this compartment have parcels of private ownership. There are many gas wells, gas facilities, and pipelines as well.

Unique Natural Features:

The headwaters of Turtle Creek are in sections 28 and 29.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

None known.

Watershed and Fisheries Considerations:

Turtle Lake and Ranger Lake lie just outside of the state ownership in this compartment, but both have streams flowing into them from state land.

Wildlife Habitat Considerations:

This compartment contains mostly upland, with minor lowland components. The lowland area is used by bear, deer, and snowshoe hares. There is a considerable amount of hunting pressure from both upland game hunters and deer hunters throughout this compartment. Aspen and the grassy openings have been actively managed in the past to further promote wildlife habitat.

Mineral Resource and Development Concerns and/or Restrictions

Several active sand & gravel operations are located to the north, and there may be some potential within the compartment. The compartment has been developed for Antrim Shale gas production and is also located in the Niagaran reef trend. All State lands are leased and in production. There may be potential for additional reef reservoirs beneath the compartment.

Vehicle Access:

Ranger Lake Rd cuts through the middle of this compartment and Turtle Lake Rd is the most eastern boundary. Many county seasonal roads and state forest roads crisscross the compartment for easy access.

Survey Needs:

None known.

Recreational Facilities and Opportunities:

The North Branch Snowmobile/ORV trail cuts through the sections 28, 29, and 30.

Fire Protection:

Stands within this compartment have been burned for opening maintenance in the past. In recent years a few small fires have been started on private property neighboring the state land.

Additional Compartment Information:

The following reports from the Inventory are attached:

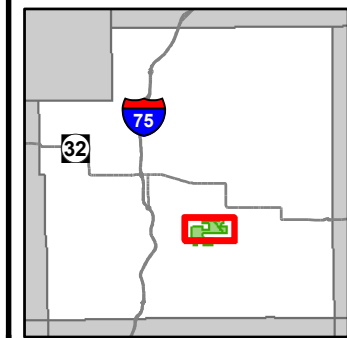
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

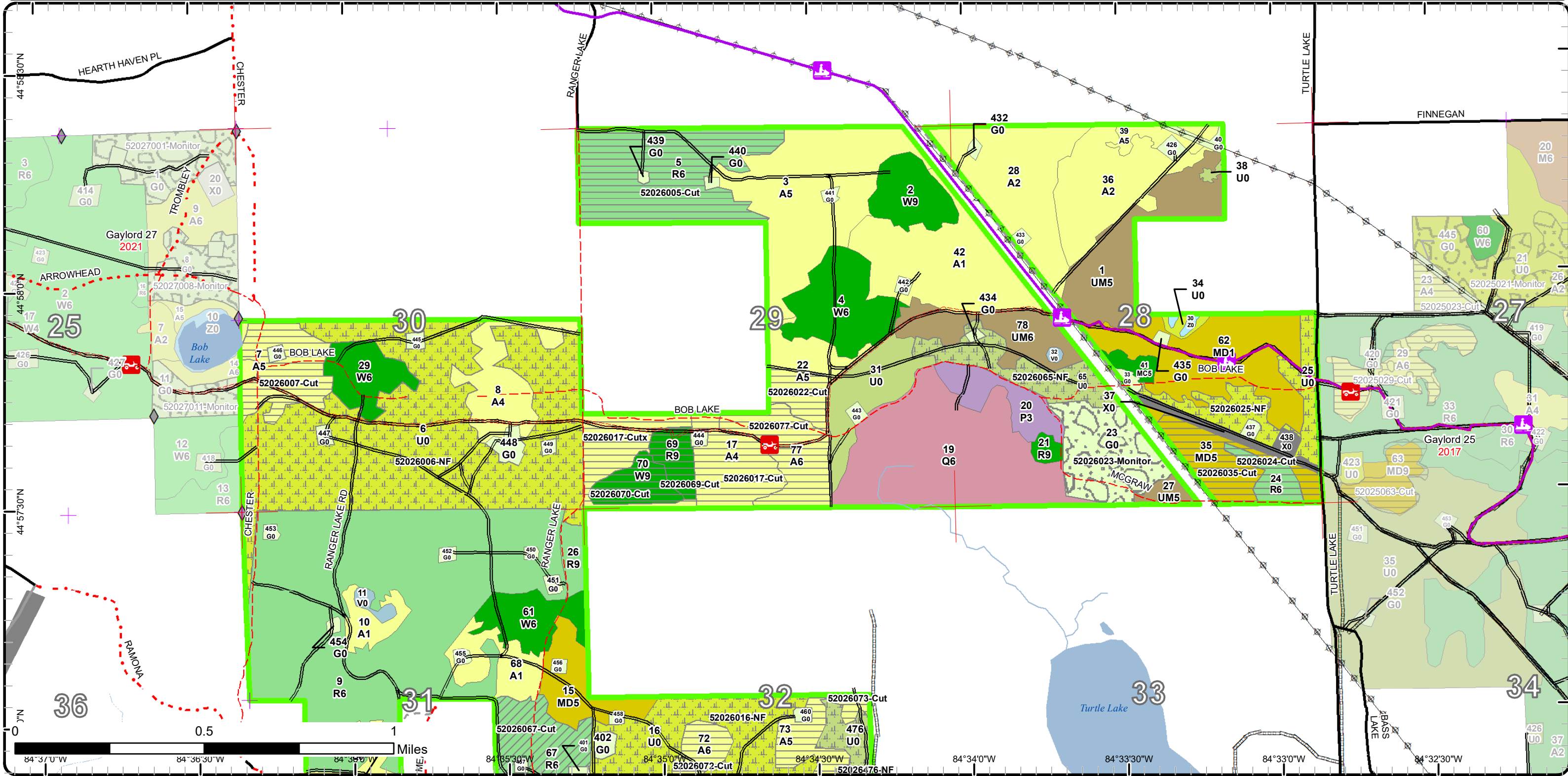
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

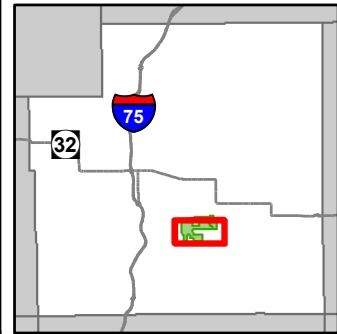
Compartment: 26
 T30N, R02W, Sec. 28-32
 County: Otsego
 Unit: Gaylord
 Mgmt Area: AuSable Outwash
 YOE: 2020
 Acres: 1,877 GIS Calculated
 Examiner: Hilary Wells
 Map Revised: 10/1/2018
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State / County - Paved Road
- County - Gravel Road
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- Private - Paved Road
- Private - Dirt / Gravel Road
- 🚗 ORV Routes
- 🚗 Snowmobile Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Pipeline
- Powerline
- Airports
- Compartment Boundary
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 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
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- Lakes

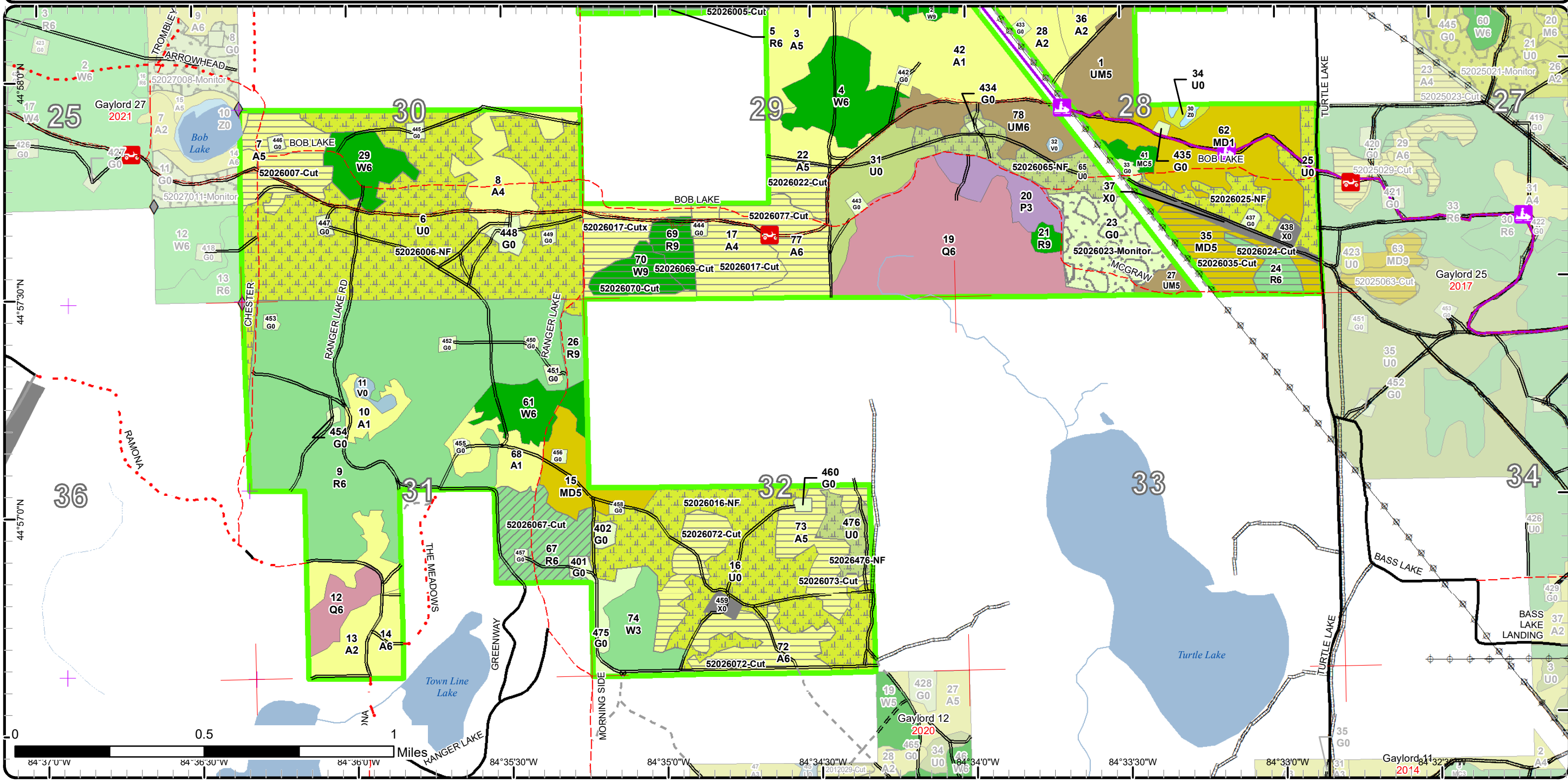


Cover Type & Treatments Map



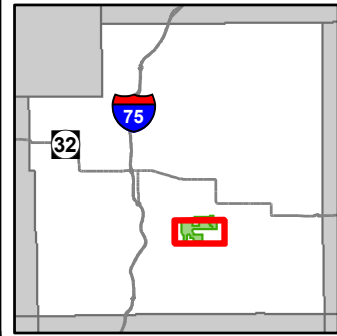
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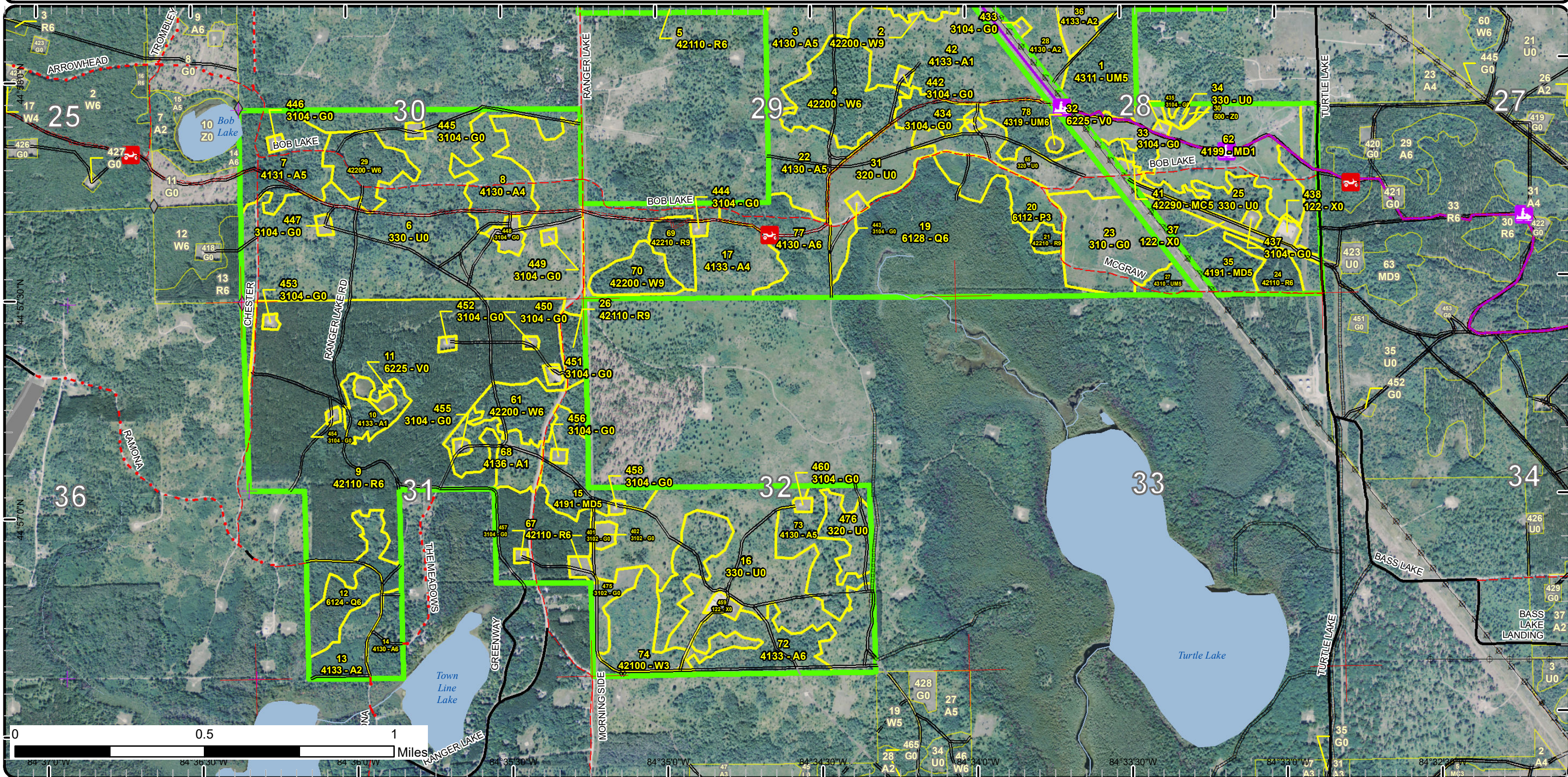


Stand Boundary Map

Compartment: 26
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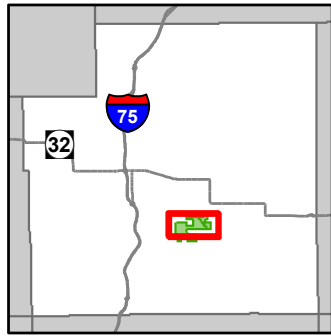


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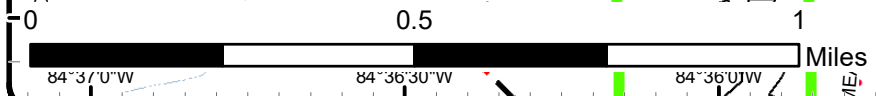
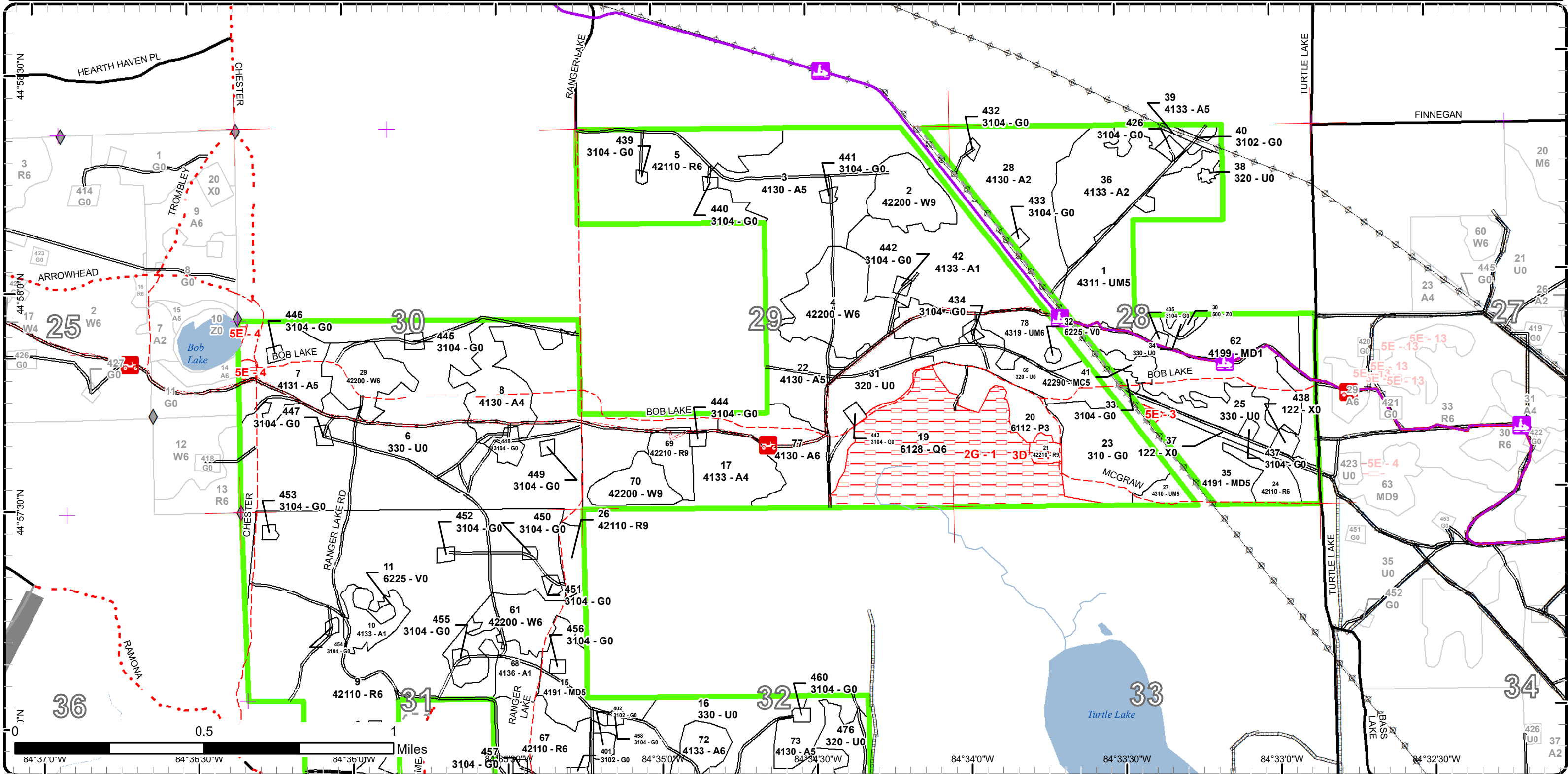


Special Conservation Areas & Site Conditions Map

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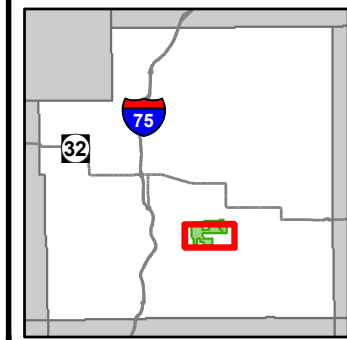


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- Lakes and Rivers All
- Pipeline
- Airports
- Compartment Boundary
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3D: Recreational / Scenic values
- 5E: Long-Term Retention
- Stand Boundaries

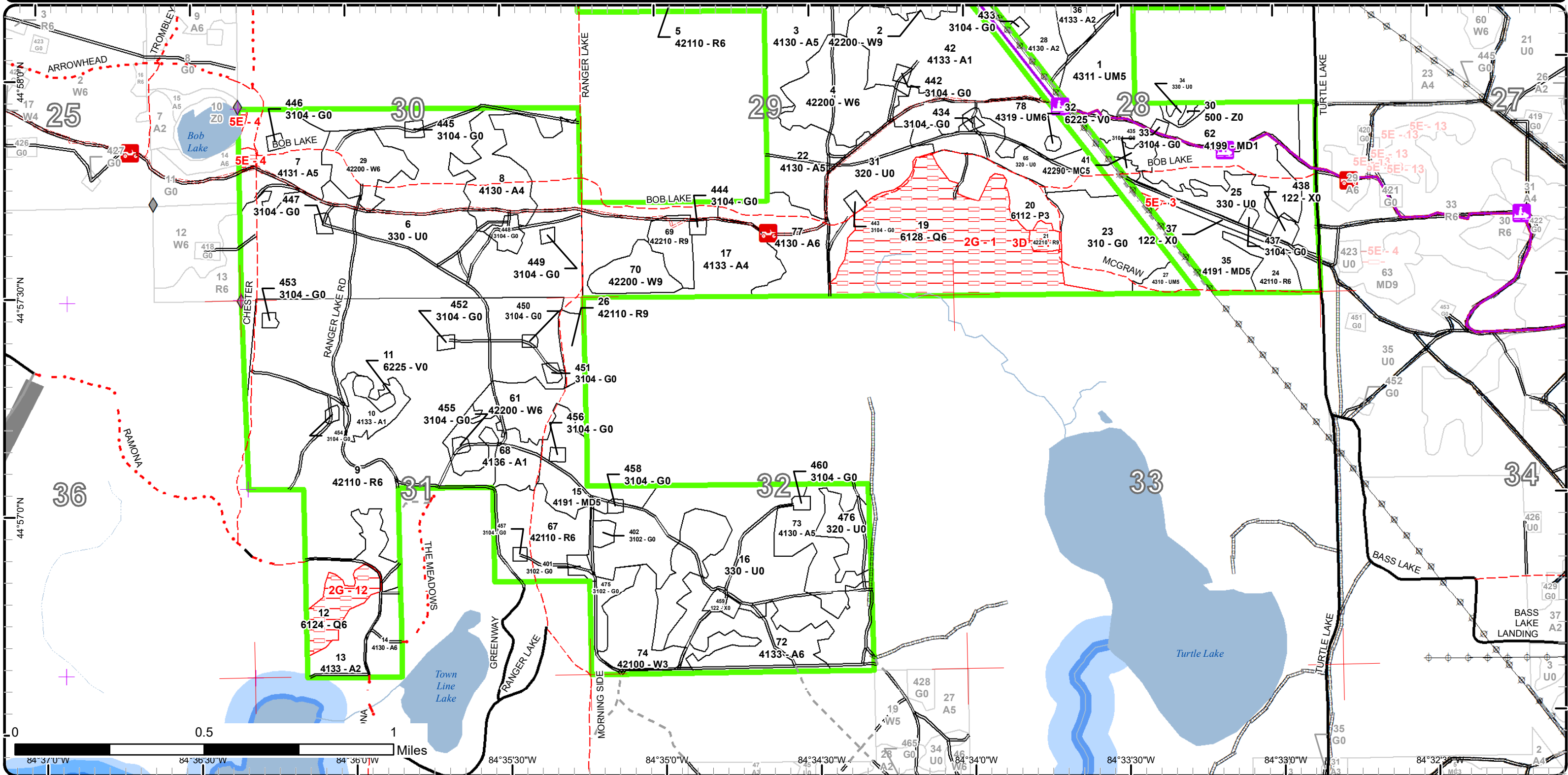


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 - Lakes and Rivers All
 - Pipeline
 - Powerline
 - Airports
 - Compartment Boundary
 - Unavailable
 - Stand Boundaries
 - Natural Rivers Vegetative Buffer
 - Natural Rivers Zoning District
- 2G: Too wet (sensitive soils, does not include access issues)
 3D: Recreational / Scenic values
 5E: Long-Term Retention



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 | 57 | 138 | 127 | 209 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 548 |
| Bog | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Herbaceous Openland | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 |
| Low-Density Trees | 339 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 339 |
| Lowland Aspen/Balsam Poplar | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 109 |
| Mixed Upland Deciduous | 0 | 61 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 109 |
| Natural Mixed Pines | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Red Pine | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 342 | 0 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 362 |
| Upland Mixed Forest | 0 | 0 | 0 | 6 | 0 | 27 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 |
| Upland Shrub | 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 |
| Urban | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Water | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| White Pine | 0 | 0 | 22 | 0 | 0 | 0 | 35 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 132 |
| Total | 512 | 61 | 98 | 144 | 150 | 241 | 86 | 377 | 95 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 99 | 1872 |



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 26

Total Compartment Acres: 1,877

Commercial Harvest - 355
 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 | 193 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 193 |
| Mixed Upland Deciduous | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| Red Pine | 90 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 123 |
| White Pine | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| Total | 323 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 355 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|------------|------------|------------|----------|----------|------------|------------|----------|-----------------|-------------|
| Current | 355 | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 376 | 769 |
| Next Step | 0 | 294 | 152 | 0 | 0 | 161 | 480 | 0 | 0 | 1087 |
| Total | 355 | 294 | 190 | 0 | 0 | 161 | 480 | 0 | 376 | 1856 |



| 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 |
|-----------------------|----------------|-------|--------------------------|-----------------|-----------|----------|----------------|-------------------------|-------------------------|---------------|----------------------|
| 5 | 52026005-Cut | 71.3 | 42110 - Planted Red Pine | Poletimber Well | 66 | 141-170 | Harvest | Clearcut with Retention | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |

Habitat Cut: No**Site Condition:**

Prescription Clearcut stand. Use minimum retention to facilitate with future replanting activities.

Specs:

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

Acceptable A fully stocked red pine stand. Also include mast producing species (ie. oak, cherry).

Regen:OtherComment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|---|-------------|-------|-------------------------|------------|--|--------------|--------------|-----------------|--------------------|--|----------------------|
| 6 | 52026006-NF | 204.2 | 330 - Low-Density Trees | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 320 - Upland Shrub | | Draft Field Boundary |
|---|-------------|-------|-------------------------|------------|--|--------------|--------------|-----------------|--------------------|--|----------------------|

Habitat Cut: No**Site Condition:**

Prescription Mow, plant, burn, brush, or herbicide to maintain opening. Plant hard and/or soft mast.

Specs:Next StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|---|--------------|------|-------------------|-------------------|----|-------|---------|----------|-------------------|-----------|----------------------|
| 7 | 52026007-Cut | 29.8 | 4131 - Aspen, Oak | Poletimber Medium | 47 | 51-80 | Harvest | Clearcut | 4131 - Aspen, Oak | Even-Aged | Draft Field Boundary |
|---|--------------|------|-------------------|-------------------|----|-------|---------|----------|-------------------|-----------|----------------------|

Habitat Cut: No**Site Condition:**

Prescription Final harvest all trees 2 inches and up. Leave all oak and legacy white pine. Add recreational trail protection specs to.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mixture of aspen and oak, with minor components of northern hardwoods species and pine.

Regen:Other

Retention has already been designated so no further retention is needed.

Comment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|----|-------------|-------|-------------------------|------------|----|--------------|--------------|-----------------|--------------------|--|----------------------|
| 16 | 52026016-NF | 104.6 | 330 - Low-Density Trees | Nonstocked | 59 | Unspec ified | NonForestMgt | Other - Specify | 320 - Upland Shrub | | Draft Field Boundary |
|----|-------------|-------|-------------------------|------------|----|--------------|--------------|-----------------|--------------------|--|----------------------|

Habitat Cut: No**Site Condition:**

Prescription Mow, plant, burn, brush, or herbicide to maintain opening. Plant hard and/or soft mast.

Specs:Next StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2019



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|--|----------------|-------|------------------------------|----------------------|-----------|-----------------|----------------|----------------------------|----------------------------|---------------|-------------------------|
| 17 | 52026017-Cut | 27.0 | 4133 - Aspen, Mixed Pine | Poletimber Poor | 48 | 51-80 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Draft Field Boundary |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> Clear cut with adjacent stands. Let this particular prescription regenerate back to aspen with adjacent stand 77. | | | | | | | | | | | |
| <u>Specs:</u> | | | | | | | | | | | |
| <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> A moderately stocked aspen stand with components of pine, red maple, and oak. | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> Add trail protection specs. | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/1 /2019 | | | | | | | | | | | |
| 17 | 52026017-Cutx | 22.9 | 4133 - Aspen, Mixed Pine | Poletimber Poor | 48 | 51-80 | Harvest | Clearcut with Retention | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> Harvest with adjacent stands. Convert this portion of stand to red pine with adjacent red pine and white pine harvests. Incorporate mast producing species into replant. | | | | | | | | | | | |
| <u>Specs:</u> | | | | | | | | | | | |
| <u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> A fully stocked red pine stand with a component of mast producing species. | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> Add trail protection specs. | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/1 /2019 | | | | | | | | | | | |
| 22 | 52026022-Cut | 12.2 | 4130 - Aspen | Poletimber Medium | 43 | 1-50 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Draft Field Boundary |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> Final harvest all trees 2 inches and up with adjacent stands. Use minimum retention. Use recreational trail specs to protect trail. | | | | | | | | | | | |
| <u>Specs:</u> | | | | | | | | | | | |
| <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> A moderately stocked stand of aspen with minor components of red maple, oak, cherry, and pine. | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/1 /2019 | | | | | | | | | | | |
| 23 | 52026023-Plant | 37.5 | 310 - Herbaceous Openland | Nonstocked | 0 | Unspec ified | Planting | Replant | 4211 - Planted Red Pine | Even-Aged | Field Boundary |
| Habitat Cut: No | | | Site Condition: | | | | | | | | |
| <u>Prescription</u> Replant red pine. | | | | | | | | | | | |
| <u>Specs:</u> | | | | | | | | | | | |
| <u>Next Step</u> Monitoring, Artificial Regen(1yr) | | | | | | | | | | | |
| <u>Treatments:</u> | | | | | | | | | | | |
| <u>Acceptable</u> Red pine stand that meets stocking requirements. | | | | | | | | | | | |
| <u>Regen:</u> | | | | | | | | | | | |
| <u>Other</u> | | | | | | | | | | | |
| <u>Comment:</u> | | | | | | | | | | | |
| <u>Proposed Start Date:</u> 10/1 /2019 | | | | | | | | | | | |



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------------|----------------|-------|--------------------------|-----------------|-----------|----------|----------------|------------------|-------------------------|---------------|----------------------|
| 24 | 52026024-Cut | 8.8 | 42110 - Planted Red Pine | Poletimber Well | 63 | 201+ | Harvest | Clearcut | 4211 - Planted Red Pine | Uneven-Aged | Draft Field Boundary |

Habitat Cut: No**Site Condition:**

Prescription Final harvest with surrounding stand. No retention due to stand size and to facilitate with planting activities after harvest.

Specs:

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

Acceptable A fully stocked red pine stand with scattered planted hard and soft mast species.

Regen:

Other Use recreational trail specs to protect trail.

Comment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|----|-------------|------|-------------------------|------------|----|--------------|--------------|-----------------|--------------------|--|----------------------|
| 25 | 52026025-NF | 28.2 | 330 - Low-Density Trees | Nonstocked | 59 | Unspec ified | NonForestMgt | Other - Specify | 320 - Upland Shrub | | Draft Field Boundary |
|----|-------------|------|-------------------------|------------|----|--------------|--------------|-----------------|--------------------|--|----------------------|

Habitat Cut: No**Site Condition:**

Prescription Mow, plant, burn, brush, or herbicide to maintain opening. Plant hard and/or soft mast.

Specs:Next StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|----|--------------|------|--|-------------------|----|-------|---------|-------------------------|-------------------------|-----------|----------------------|
| 35 | 52026035-Cut | 25.4 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Medium | 41 | 51-80 | Harvest | Clearcut with Retention | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |
|----|--------------|------|--|-------------------|----|-------|---------|-------------------------|-------------------------|-----------|----------------------|

Habitat Cut: No**Site Condition:**

Prescription Clearcut. Use minimum retention and speak with TMS on placement to facilitate with follow up cultivation work. Leave all oak. Ensure mast producing species are also incorporated into replanting.

Specs:

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

Acceptable Planted red pine that meet minimum stocking objectives with a component of mast producing species.

Regen:

Other Use recreational trail specs to protect trail.

Comment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|----|-------------|------|--------------------|------------|----|--------------|--------------|-----------------|--------------------|--|----------------------|
| 65 | 52026065-NF | 26.1 | 320 - Upland Shrub | Nonstocked | 59 | Unspec ified | NonForestMgt | Other - Specify | 320 - Upland Shrub | | Draft Field Boundary |
|----|-------------|------|--------------------|------------|----|--------------|--------------|-----------------|--------------------|--|----------------------|

Habitat Cut: No**Site Condition:**

Prescription Mow, plant, burn, brush, or herbicide to maintain opening. Plant hard and/or soft mast.

Specs:Next StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2019



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------------|----------------|-------|--------------------------|-----------------|-----------|----------|----------------|---------------------|-------------------------|---------------|----------------------|
| 67 | 52026067-Cut | 32.8 | 42110 - Planted Red Pine | Poletimber Well | 62 | 201+ | Harvest | Systematic Thinning | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |

Habitat Cut: No**Site Condition:**

Prescription Standard third row thinning. Account for operability when marking rows and areas for equipment to turn around.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|----|--------------|------|--------------------------|----------------|----|---------|---------|-------------------------|-------------------------|-----------|----------------------|
| 69 | 52026069-Cut | 10.3 | 42210 - Natural Red Pine | Sawtimber Well | 81 | 171-200 | Harvest | Clearcut with Retention | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |
|----|--------------|------|--------------------------|----------------|----|---------|---------|-------------------------|-------------------------|-----------|----------------------|

Habitat Cut: No**Site Condition:**

Prescription Clearcut and replant.

Specs:

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

Treatments:

Acceptable Planted red pine which meets minimum stocking requirements. Incorporate mast producing species into replant as well (ie. oak).

Regen:

Other

Add trail protection specs.

Comment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|----|--------------|------|----------------------------|----------------|----|--------|---------|-------------------------|-------------------------|-----------|----------------------|
| 70 | 52026070-Cut | 13.5 | 42200 - Natural White Pine | Sawtimber Well | 56 | 81-110 | Harvest | Clearcut with Retention | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |
|----|--------------|------|----------------------------|----------------|----|--------|---------|-------------------------|-------------------------|-----------|----------------------|

Habitat Cut: No**Site Condition:**

Prescription Clearcut and replant.

Specs:

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

Treatments: Artificial Regen(3yr); Monitoring, Natural Regen (Re-Inventory)

Acceptable Planted red pine which meets minimum stocking requirements. Incorporate mast producing species into replant as well (ie. oak).

Regen:

Other

Add trail protection specs.

Comment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|----|--------------|------|--------------------------|-----------------|----|-------|---------|-------------------------|-------------|-----------|----------------------|
| 72 | 52026072-Cut | 47.1 | 4133 - Aspen, Mixed Pine | Poletimber Well | 46 | 51-80 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Draft Field Boundary |
|----|--------------|------|--------------------------|-----------------|----|-------|---------|-------------------------|-------------|-----------|----------------------|

Habitat Cut: No**Site Condition:**

Prescription Clearcut. Leave minimum retention.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of aspen with components of pine, maple, and oak to meet minimum stocking objectives.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------------|----------------|-------|-----------------|-------------------|-----------|----------|----------------|-------------------------|----------------------|---------------|----------------------|
| 73 | 52026073-Cut | 25.5 | 4130 - Aspen | Poletimber Medium | 47 | 51-80 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Draft Field Boundary |

Habitat Cut: No**Site Condition:**Prescription Clearcut with 72. Leave minimum retention.Specs:Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable A mix of aspen with components of pine, oak, and maple to meet minimum stocking requirements.Regen:OtherComment:Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|----|--------------|------|--------------|-----------------|----|--------|---------|-------------------------|-------------|-----------|----------------------|
| 77 | 52026077-Cut | 28.8 | 4130 - Aspen | Poletimber Well | 46 | 81-110 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Draft Field Boundary |
|----|--------------|------|--------------|-----------------|----|--------|---------|-------------------------|-------------|-----------|----------------------|

Habitat Cut: No**Site Condition:**Prescription Clearcut with adjacent prescriptions to the west. Use minimum retention and focus it along the ORV trail.Specs:Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable Aspen with components of pine, red maple, oak, and cherry.Regen:Other

Add trail protection specs.

Comment:Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|-----|-------------|------|--------------------|------------|--|--------------|--------------|-----------------|--------------------|--|----------------------|
| 476 | 52026476-NF | 12.7 | 320 - Upland Shrub | Nonstocked | | Unspec ified | NonForestMgt | Other - Specify | 320 - Upland Shrub | | Draft Field Boundary |
|-----|-------------|------|--------------------|------------|--|--------------|--------------|-----------------|--------------------|--|----------------------|

Habitat Cut: No**Site Condition:**Prescription Mow, plant, burn, brush, or herbicide to maintain opening. Plant hard and/or soft mast.Specs:Next StepTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/1 /2019

**Total Treatment
Acreage Proposed: 768.7**

Report 4 – Site Conditions

Gaylord Mgt. Unit
Hilary Wells : Examiner

Compartment: 26
Year of Entry: 2020

Availability for Management

| Total Acres | Acres Available | Acres Avail With Condition | Acres Not Available | Dominant Site Conditions | | |
|----------------|--------------------|-------------------------------|------------------------|-----------------------------|-----|----|
| | | | | 2G | 3D | 5E |
| 550 | 547 | 0 | 2 | Aspen | | 2 |
| 4 | 4 | 0 | 0 | Bog | | |
| 89 | 89 | 0 | 0 | Herbaceous Openland | | |
| 339 | 339 | 0 | 0 | Low-Density Trees | | |
| 19 | 19 | 0 | 0 | Lowland Aspen/Balsam Poplar | | |
| 109 | 0 | 0 | 109 | Lowland Conifers | 109 | |
| 109 | 109 | 0 | 1 | Mixed Upland Deciduous | | 1 |
| 5 | 5 | 0 | 0 | Natural Mixed Pines | | |
| 363 | 360 | 0 | 3 | Red Pine | | 3 |
| 77 | 77 | 0 | 0 | Upland Mixed Forest | | |
| 67 | 67 | 0 | 0 | Upland Shrub | | |
| 12 | 12 | 0 | 0 | Urban | | |
| 1 | 1 | 0 | 0 | Water | | |
| 133 | 133 | 0 | 0 | White Pine | | |
| 1,877 | 1,761 | | 116 | Total Forested Acres | 109 | 3 |
| | 94% | | 6% | 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) | 95 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 3 | Unavailable | 5E: Long-Term Retention | 1 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Gaylord Mgt. Unit
Hilary Wells : Examiner

Compartment: 26
Year of Entry: 2020

| | | | | | | | |
|------------------|--------------------|--|----|-----------------------------|--|-------------|-------------|
| 4 | Unavailable | 5E: Long-Term Retention | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 12 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 14 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 21 | Unavailable | 3D: Recreational / Scenic values | 3 | 3L: Other wildlife concerns | 4A: No Markets Available for these Forest Products | 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 |
|-------------------|----------------|---|
| HCVA | Natural Rivers | There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder. |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|----------------------------|-------------------|-------|-----------|----------|---|
| 1 | 4311 - Pine, Aspen Mix | Poletimber Medium | 44.0 | 51 | 51-80 | OPIC - FMD: Transitioning from upland brush. Low quality trees with all species poorly formed. In east half, most aspen seems to fall out as poles. Some areas of grass and upland brush. 2017-Scattered supercanopy RP in a WP dominated stand. The deciduous species present are all clumpy and low quality. WP is branchy with split tops. |
| 2 | 42200 - Natural White Pine | Sawtimber Well | 21.0 | 61 | 81-110 | Very similar to stand 4. WP of all size classes present. Aspen also in the subcanopy. WP logs are decent, but most are pretty branchy. |
| 3 | 4130 - Aspen | Poletimber Medium | 78.9 | 38 | 51-80 | OPIC - FMD: COMMERCIAL HARVEST 1980. 1998 comment: this stand is a mosaic of A3, A4 and U types. A3 is most common. A few solo pine logs scattered in it. 2017-Scattered pine logs. Opening filling in with aspen. Some areas in the stand still pretty open with some upland brush. Low quality. |
| 4 | 42200 - Natural White Pine | Poletimber Well | 35.5 | 61 | 51-80 | Similar to stand 2. Every size class of WP is present. WP is of very poor form and branchy. |
| 5 | 42110 - Planted Red Pine | Poletimber Well | 71.3 | 66 | 141-170 | OPIC - FMD: 1998 comment: Occasional white pine logs. Aspen throughout. Red pine locally dense, but not enough to justify a sale yet. After another 10 years, it may be ready to row thin and species thin. Keep white pine protected for a pine mix in the long run. 2017-Rows weave and may be hard to follow. Quite a bit of porcupine damage. |
| 7 | 4131 - Aspen, Oak | Poletimber Medium | 32.2 | 47 | 51-80 | OPIC - FMD: Previous comment: TREE CUTTER SITE 1960. 1998 comment: Good natural white pine regeneration in a few places, highly localized. Occasional mature clones in a sea of A4-5. 2008: Aspen of various ages. Occasional white pine regeneration and oak logs. It was agreed at compartment review that this stand could be cut with the adjacent aspen stand in Compartment 27 (if and when it is prescribed), because it does not, in and of itself, have volume adequate to make a viable sale. 2017-was not cut with stand in adjacent compartment. Scattered XL oak and WP. Decent quality aspen with pocket mortality in the QA. Pockets of pine. |
| 8 | 4130 - Aspen | Poletimber Poor | 29.2 | 33 | 1-50 | OPIC - FMD: Previous comment: TREE CUTTER SITE 1960. 1998 comment: Good natural white pine regeneration in a few places, highly localized. Occasional mature clones in a sea of A4-5. 2008: Aspen of various ages. Occasional white pine regeneration and oak logs. 2017-Aspen is low quality and covered in cankers. All size classes and various ages of aspen are present. |
| 9 | 42110 - Planted Red Pine | Poletimber Well | 229.3 | 62 | 111-140 | OPIC - FMD: Row thin pine and species thin aspen. A possible candidate for FDF. STAND HARVESTED AND COMPLETED 10/2002. 2017-hold until next YOE, then thin again. Pocket of younger WP in the center of the stand. |
| 10 | 4133 - Aspen, Mixed Pine | Sapling Poor | 10.1 | 26 | Immature | Young stand of aspen clones with scattered pine logs on the edge of a small lowland. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|-------------------|-------|--------------|-------------|--|
| 12 | 6124 - Lowland Spruce-Fir | Poletimber Well | 14.1 | 63 | 51-80 | OPIC - FMD: 2008: Variable terrain and erratic stocking/species composition. Includes small bogs of labrador tea and some upland pine, including an acre or so of small white pine logs in the northeast corner. 2017-4-5 different boggy areas with alder and leather leaf. Stocking is variable. Small pocket of upland WP surrounded by lowland. |
| 13 | 4133 - Aspen, Mixed Pine | Sapling Medium | 29.3 | 27 | Immature | OPIC - FMD: 2008: Scattered residual conifers. 2017-Cut in 1992. Thick aspen regeneration. Scattered large conifers. |
| 14 | 4130 - Aspen | Poletimber Well | 11.4 | 39 | 81-110 | OPIC - FMD: 2008: Larger aspen is often conked already. Aspen is overmature but this is a small acreage which would be further reduced by applying BMP to southeast corner at the lake. 2017-Same species composition as stand 13, but aspen is a bit more mature and falling out. |
| 15 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Medium | 22.5 | 38 | 1-50 | OPIC - FMD: 1998 comment: This stand is a mosaic of A3 with patches of U type and sprinkled with pine poles and logs, soft maple poles, white birch poles and aspen poles. 2017-Scattered pockets of pine logs. Mostly a mosaic of A and U types. Filling in with quite a few WP saplings. |
| 17 | 4133 - Aspen, Mixed Pine | Poletimber Poor | 49.9 | 48 | 51-80 | OPIC - FMD: Previous comment: RESIDUAL CUT 1980 GOOD REGENERATION. 1998 comment: A mosaic predominated by A4-5 with U, W1, W4, & W7. Occasional big oaks should be preserved. A few clones of A6-8 lack enough volume for a sale and are nursing young red and white pine. 2017-A few pockets of mature pine within stand. Stocking and quality of aspen in pretty variable. |
| 19 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Well | 95.3 | 79 | 81-110 | OPIC - FMD: 1998 Comment: Headwaters of Turtle Creek. Beaver pond present. Edge of stand appears dry enough to be workable when timber becomes marketable. 2008: Some mortality, probably beaver activity. 2017-operable portions of stand have been cherry-picked and remainder is pretty wet. |
| 20 | 6112 - Lowland Aspen | Sapling Well | 18.6 | 16 | Immature | OPIC - FMD: 1998 comment: This stand now includes old Stand 22. Do not cut the narrow strip between Stands 19 and 21. 2008: Recently cut in 2002. Fair regeneration. 2017-Very thick aspen clones. Used to be part of the adjacent lowland stand. |
| 21 | 42210 - Natural Red Pine | Sawtimber Well | 3.4 | 91 | 111-140 | OPIC - FMD: 1998 comment: Large relic red pine; nice timber but somewhat limby and erratically stocked with patches of white birch. No need of release. Allow it to act as a seed source for nearby U type. Should be maintained as a no cut stand. 2017-Pocket of legacy sized red pine. Maintain for scenic values. |
| 22 | 4130 - Aspen | Poletimber Medium | 25.2 | 43 | 1-50 | OPIC - FMD: TREE CUTTER SITE 1960 ASPEN POOR QUALITY (PREVIOUS COMMENT). 1998 comment: Split out of Stand 4. 2008: Scattered clones of A6 and patches of U, A2 and A3. 2017-Very similar to stand 77, but a little more open and QA isn't great quality. |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|--|-------------------|-------|-----------|----------|---|
| 24 | 42110 - Planted Red Pine | Poletimber Well | 8.8 | 63 | 201+ | OPIC - FMD: 1998 comment: The stand contains two clones of A5 ready to harvest and some of the defective red pine could be marked out but the pine is not generally suppressed and harvestable volume is low. Let it mature and act as a seed source for surrounding U type. 2017-small pocket of A4 in the middle of the plantation. Never managed so not the best quality. Mostly poor form trees with porcupine damage. |
| 26 | 42110 - Planted Red Pine | Sawtimber Well | 7.2 | 59 | 81-110 | Lower BA than RP stand across the street. |
| 27 | 4310 - Pine, Oak Mix | Poletimber Medium | 5.5 | 26 | 51-80 | Some red maple and some aspen clones. 2008: Old U type with a couple acres of aspen/oak/red maple on the south end. Poor quality. Save oak, but no other retention. Treat with Stand 23. Then replant to red pine with acorns. No herbicide. Roller chopped 8/16/2016. Trenched 8/31/2016. Site to be replanted in spring 2017 2017-This stand was left out of the surrounding treatment. Scattered pine and oak logs, but the majority is still immature. Canopy and subcanopy contain the same species just in different size classes. |
| 28 | 4130 - Aspen | Sapling Medium | 54.9 | 26 | Immature | OPIC - FMD: 1998 comment: Now contains old stands 2 and 30. 2008: Patchwork of A3, U and some G. 2017-Patchwork of A3-4 with upland brush. Scattered WP and Oak. |
| 29 | 42200 - Natural White Pine | Poletimber Well | 19.8 | 51 | 81-110 | OPIC - FMD: 2008: Aspen is poor quality and best left to shade the white pine which appears to be the better species on this site. White pine regeneration is coming up through the aspen nicely and is unevenaged.. 2017-Every class of white pine and aspen present. Almost all the WP has porcupine or weevil damage. |
| 35 | 4191 - Mixed Upland Deciduous with Conifer | Poletimber Medium | 26.4 | 41 | 51-80 | OPIC - FMD: 1998 comment: In transition to M type with lots of open grown clumps of red maple and some aspen clones. 2017-Pockets of red maple, oak, and aspen clones. Significant oak regeneration. Large scattered oak. Old retention pocket of red pine logs in the NW corner of the stand. |
| 36 | 4133 - Aspen, Mixed Pine | Sapling Medium | 44.2 | 21 | Immature | OPIC - FMD: 1998 comment: Now contains old stands 2 and 30. 2008: Patchwork of A3, U and some G. 2017-Thick pockets of aspen clones. RM and Oak stump sprouts. Couldn't find any record of harvest, but appeared to have been harvested in the last couple decades if not sooner. |
| 39 | 4133 - Aspen, Mixed Pine | Poletimber Medium | 7.6 | 37 | 1-50 | OPIC - FMD: 1998 comment: Now contains old stands 2 and 30. 2008: Patchwork of A3, U and some G. 2017-Young aspen clones. Low quality. Parent stand of adjacent younger aspen. |
| 41 | 42290 - Natural Mixed Pine | Poletimber Medium | 4.5 | 41 | 51-80 | Pocket of open grown, low quality pine. |
| 42 | 4133 - Aspen, Mixed Pine | Sapling Poor | 57.0 | 18 | Immature | Cut in 2001. Some areas of thick WP regen. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|-------------------------------------|-------------------|-------|--------------|-------------|--|
| 61 | 42200 - Natural White Pine | Poletimber Well | 21.0 | 56 | 81-110 | OPIC - FMD: 2008: Limby, often with poor form. 2017-No rows or evidence of furrows so assumed to be a natural stand. Very limby and not much volume. A few scattered WP logs. |
| 62 | 4199 - Other Mixed Upland Deciduous | Sapling Poor | 60.6 | 6 | Immature | OPIC - FMD: Low quality trees. Largely paper birch at east end. Pothole along north edge. Some U type present. Appears to be a former U type that has converted to woodland. AGREED TO CUT WITH 2010 POW. WILDLIFE REQUEST TO LEAVE OAK AND CUT ALL PINE. 2012 comment: Final harvested in 2012. 2017-Thick aspen clones. Good oak regeneration from stump sprouts. Trace jack pine. |
| 67 | 42110 - Planted Red Pine | Poletimber Well | 32.8 | 62 | 201+ | OPIC - FMD: 1998: Row thin pine and species thin aspen. A possible candidate for FDF. STAND HARVESTED AND COMPLETED 10/2002. 2008: Stands 66 & 67 are the same plantation, split by Ranger Lake Road. Aspen and red maple removed in 2002. 2017-Rows are hard to define, but trees are good quality. |
| 68 | 4136 - Aspen, Mixed Conifer | Sapling Poor | 18.3 | 16 | Immature | OPIC - FMD: Recovering U type. Scattered conifers. Variable stocking. 2017-Scattered oak logs. Higher BA south of stand 455. |
| 69 | 42210 - Natural Red Pine | Sawtimber Well | 10.4 | 81 | 171-200 | No records of planting or past management of this stand. ORV/Snowmobile trails cut across the northern portion of the stand. Some very nice logs. |
| 70 | 42200 - Natural White Pine | Sawtimber Well | 13.5 | 56 | 81-110 | OPIC - FMD: OI Stand Year Origin was 1960. Scattered XL WP, but most are falling out of stand or declining. A lot of porcupine damage. WP of all size classes present in the stand. |
| 72 | 4133 - Aspen, Mixed Pine | Poletimber Well | 47.1 | 46 | 51-80 | OPIC - FMD: 2008: This half section was sampled and then broken into stands; as a result, table is the same for stands 63, 72 and 73. Low quality trees. Heavy to red maple in places. Highly variable as trees encroach into the U type. 2017-Pine is a little thicker/more mature in southern part of stand. Hardwoods are low quality. Pine is branchy. |
| 73 | 4130 - Aspen | Poletimber Medium | 25.5 | 47 | 51-80 | OPIC - FMD: 2008: This half section was sampled and then broken into stands; as a result, table is the same for stands 63, 72 and 73. Low quality trees. Heavy to red maple in places. Highly variable as trees encroach into the U type. 2017-Low quality and poor stocking. |
| 74 | 42100 - Planted White Pine | Sapling Well | 21.8 | 18 | Immature | OPIC - FMD: 2008: Planted to white pine last time around. Looks good. 2017-Looking very healthy. Very thick so no real understory. |
| 77 | 4130 - Aspen | Poletimber Well | 28.8 | 46 | 81-110 | OPIC - FMD: TREE CUTTER SITE 1960 ASPEN POOR QUALITY (PREVIOUS COMMENT). 1998 comment: Split out of Stand 4. 2008: Scattered clones of A6 and patches of U, A2 and A3. 2017-Higher volume and better quality than adjacent aspen stands. Red maple and oak tend to be pretty clumpy. A few open areas within the stand. |

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Gaylord Mgt. Unit

Report 7 – Forested Stands

Compartment: 26
Year of Entry: 2020



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|----------------------------|-----------------|-------|-----------|----------|---|
| 78 | 4319 - Mixed Upland Forest | Poletimber Well | 27.4 | 47 | 81-110 | OPIC - FMD: TREE CUTTER SITE 1960 ASPEN POOR QUALITY (PREVIOUS COMMENT). 1998 comment: Split out of Stand 4. 2008: Scattered clones of A6 and patches of U, A2 and A3. 2017-Heavy to BF. Tamarack isolated around the lowland area in SE of the stand. WP and RP logs in the W. |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|---------------------------|-------|--------------|---|
| 6 | 330 - Low-Density Trees | 204.2 | No | OPIC - FMD: 2008: Upland brush slowly converting with aspen and white pine present. 2017-Mosaic of upland brush, aspen pockets, and open grown pine. Pockets of mature pine and scattered mature oak. On the threshold of being a forested stand. |
| 11 | 6225 - Bog | 2.9 | No | OPIC - FMD: OI Stand Year Origin was |
| 16 | 330 - Low-Density Trees | 104.6 | No | OPIC - FMD: Previous comment: SCATTERED CLONES OF POOR QUALITY A3. 1998 comment: This stand is a mosaic of U and G types with lots of A1-5. Should try planting white pine mixed with oak in one or two of the larger openings, after a light burn to knock down the U type. 2017-Pockets of aspen and pine. Scattered red maple and oak poles/logs. Would benefit from a burn if desired to remain an opening. |
| 23 | 310 - Herbaceous Openland | 37.5 | | Final harvested in 2012. Roller chopped 8/16/16. Trenched 8/31/16. Red Pine planted by Superior Forestry 4/29/2017. 969 trees per acre. Oak and crabapple planted on 7/1/17. 2017-Pockets of mortality in the planting. Some caused by J-rooting, some is unknown. A lot of JP along the edge and volunteers within the stand. FTP 52-368 Failed Year 1 Regen check, release spraying completed 09/13/2018, will be replanted next spring. |
| 25 | 330 - Low-Density Trees | 28.2 | No | OPIC - FMD: 1998 comment: In transition to M type with lots of open grown clumps of red maple and some aspen clones. 2017-Very clumpy, low quality and stocking. Scattered oak logs. Pine is open grown and very branchy. |
| 30 | 500 - Water | 1.4 | No | Lowland on edge of U/Aspen type that was harvested in 2012. |
| 31 | 320 - Upland Shrub | 27.5 | | OPIC - FMD: TREE CUTTER SITE 1960 ASPEN POOR QUALITY (PREVIOUS COMMENT). 1998 comment: Split out of Stand 4. 2008: Scattered clones of A6 and patches of U, A2 and A3. Final harvest and push into Stand 19 a chain or so to harvest aspen there and include some conifer. 2017-Right on the cusp of being an immature forested stand. Scattered pine and oak logs. |
| 32 | 6225 - Bog | 0.9 | No | Bog within aspen stand. |
| 33 | 3104 - Degraded | 1.6 | No | Gas well. |
| 34 | 330 - Low-Density Trees | 2.2 | No | Buffer left around riparian area. |
| 37 | 122 - Road/Parking Lot | 7.2 | No | Pipeline right-of-way and road. |
| 38 | 320 - Upland Shrub | 1.1 | No | Opening in a white pine stand. |
| 40 | 3102 - Grass | 2.7 | No | Pipeline right-of-way. |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|------------------------|-------|--------------|--|
| 65 | 320 - Upland Shrub | 26.1 | No | OPIC - FMD: 1998 comment: Some red maple and some aspen clones. Some low quality aspen clones. Pines are open grown and branchy. Old railroad grade running through the stand and into 31. |
| 401 | 3102 - Grass | 2.3 | No | Old gas well pad. |
| 402 | 3102 - Grass | 2.3 | No | Old gas well pad. |
| 426 | 3104 - Degraded | 1.8 | No | OPIC - FMD: Gas well or facility. |
| 432 | 3104 - Degraded | 0.9 | No | OPIC - FMD: Gas well or facility. |
| 433 | 3104 - Degraded | 1.0 | No | OPIC - FMD: Gas well or facility. |
| 434 | 3104 - Degraded | 0.7 | No | OPIC - FMD: Gas well or facility. |
| 435 | 3104 - Degraded | 0.9 | No | OPIC - FMD: Gas well or facility. |
| 437 | 3104 - Degraded | 1.2 | No | OPIC - FMD: Gas well or facility. |
| 438 | 122 - Road/Parking Lot | 2.2 | No | OPIC - FMD: Gas facility. |
| 439 | 3104 - Degraded | 0.6 | No | OPIC - FMD: Gas well or facility. |
| 440 | 3104 - Degraded | 0.7 | No | OPIC - FMD: Gas well or facility. |
| 441 | 3104 - Degraded | 1.0 | No | OPIC - FMD: Gas well or facility. |
| 442 | 3104 - Degraded | 1.1 | No | OPIC - FMD: Gas well or facility. |
| 443 | 3104 - Degraded | 1.3 | No | OPIC - FMD: Gas well or facility. |
| 444 | 3104 - Degraded | 1.1 | No | OPIC - FMD: Gas well or facility. |
| 445 | 3104 - Degraded | 1.3 | No | OPIC - FMD: Gas well or facility. |
| 446 | 3104 - Degraded | 1.1 | No | OPIC - FMD: Gas well or facility. |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|------------------------|-------|--------------|------------------------------------|
| 447 | 3104 - Degraded | 1.3 | No | OPIC - FMD: Gas well or facility. |
| 448 | 3104 - Degraded | 4.0 | No | OPIC - FMD: Gas well and facility. |
| 449 | 3104 - Degraded | 0.9 | No | OPIC - FMD: Gas well or facility. |
| 450 | 3104 - Degraded | 0.8 | No | OPIC - FMD: Gas well or facility. |
| 451 | 3104 - Degraded | 1.4 | No | OPIC - FMD: Gas well or facility. |
| 452 | 3104 - Degraded | 1.1 | No | OPIC - FMD: Gas well or facility. |
| 453 | 3104 - Degraded | 1.0 | No | OPIC - FMD: Gas well or facility. |
| 454 | 3104 - Degraded | 0.9 | No | OPIC - FMD: Gas well or facility. |
| 455 | 3104 - Degraded | 1.1 | No | OPIC - FMD: Gas well or facility. |
| 456 | 3104 - Degraded | 1.0 | No | OPIC - FMD: Gas well or facility. |
| 457 | 3104 - Degraded | 0.8 | No | OPIC - FMD: Gas well or facility. |
| 458 | 3104 - Degraded | 0.9 | No | OPIC - FMD: Gas well or facility. |
| 459 | 122 - Road/Parking Lot | 2.6 | No | OPIC - FMD: Gas well and facility. |
| 460 | 3104 - Degraded | 1.1 | No | OPIC - FMD: Gas well or facility. |
| 475 | 3102 - Grass | 11.4 | No | Power line and pipeline road. |
| 476 | 320 - Upland Shrub | 12.7 | No | Clumpy cherry. |