



Compartment Review Presentation

Grayling Forest Management Unit

Compartment 72072

Entry Year 2020

Acreage: 1,997

County Iosco

Management Area: Wurtsmith

Revision Date: 2018-07-18

Stand Examiner: Kevin Ehlert

Legal Description:

(Oscoda Township) T24N, R09E, Sections 4, 5, 6, 7, 8, 9, 17, 18, 19, 30, 33, and 34

Identified Planning Goals:

To maintain forest health, productivity, sustainability, species diversification, and structural diversity throughout the compartment while providing for multiple use and visual management.

Soil and topography:

Terrain is flat to slightly rolling hills. Soils consist mainly of Rubicon-Roselawn sands with areas of Grayling sand. There are also Tawas and Rife soils.

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

This compartment is made up of large parcels of State land surrounded by private property. Wurtsmith Airport borders much of the compartment. There is an extensive 2-track trail system throughout the compartment which is currently being used extensively for recreational walking, and was historically used for illegal trash dumping, and illegal ORV use.

Unique Natural Features:

A floodplain forest occurs in the compartment. This area is a designated Ecological Reference Area (ERA). There are also areas of northern shrub thicket and northern wet meadow found in the immediate area of the floodplain forest. There is potential for the following plant species of concern: Hill's thistle, Pitcher's thistle, wild rice and lake cress. There is also potential for the following animals of concern: Massasauga rattlesnake, Blanding's turtle, wood turtle, goshawk, bald eagle, osprey, heron rookeries, Kirtland's warbler, and prairie warbler.

Archeological, Historical, and Cultural Features:

None at this time.

Special Management Designations or Considerations:

A designated Ecological Reference Area (ERA) floodplain forest is found in section 6.

Watershed and Fisheries Considerations:

This compartment includes portions of the Pine River, a cool water river with cold water head waters and tributaries. Van Etten Lake is found in this compartment. A dam is found at the south end of the lake; this structure controls the legally-established lake levels. Duell Lake is a shallow lake found in section 33. The meandering waters of the Au Sable River are also present in sections 33 and 34.

Wildlife Habitat Considerations:

Try to promote and expand aspen cover types where possible. Make attempts to improve snag habitat as well as down-dead woody debris habitat during timber management operations.

Mineral Resource and Development Concerns and/or Restrictions

Active sand/gravel pits are not located in the area, but there appears to be some sand & gravel potential within the compartment. There has been no oil & gas production within the compartment and there are no active leases in the area, but there has been leasing activity in the recent past. There was some past minor Antrim Shale gas development more than two miles to the west. Oil & gas potential within the compartment is considered low at this time. There is no known metallic mineral potential in this part of the state. The state does not own the mineral rights beneath some of the compartment. Private mineral rights owners must be allowed reasonable access to the surface should they choose to explore and/or develop the minerals.

Vehicle Access:

Within section 6 there is currently a walking easement to the land-locked parcel. State owned lands within sections 33 and 34 (T24N R09E) are difficult to access legally. The rest of the compartment is easily accessed through county roads and

forest two-tracks.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

Snowmobile trail 960 traverses the compartment in Section 19. The proximity to Osocda and National Forest land provide a densely populated area for public land use. Van Etten rustic campground and boat access site is located near the compartment. Dispersed hunting, trapping, and wildlife viewing are popular activities in the area.(A.2018)

Fire Protection:

Many of the current cover types in this compartment pose a threat for extreme fire behavior under dry conditions. There are several natural and man made fuel breaks throughout the area so major complex fire events are unlikely.

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**

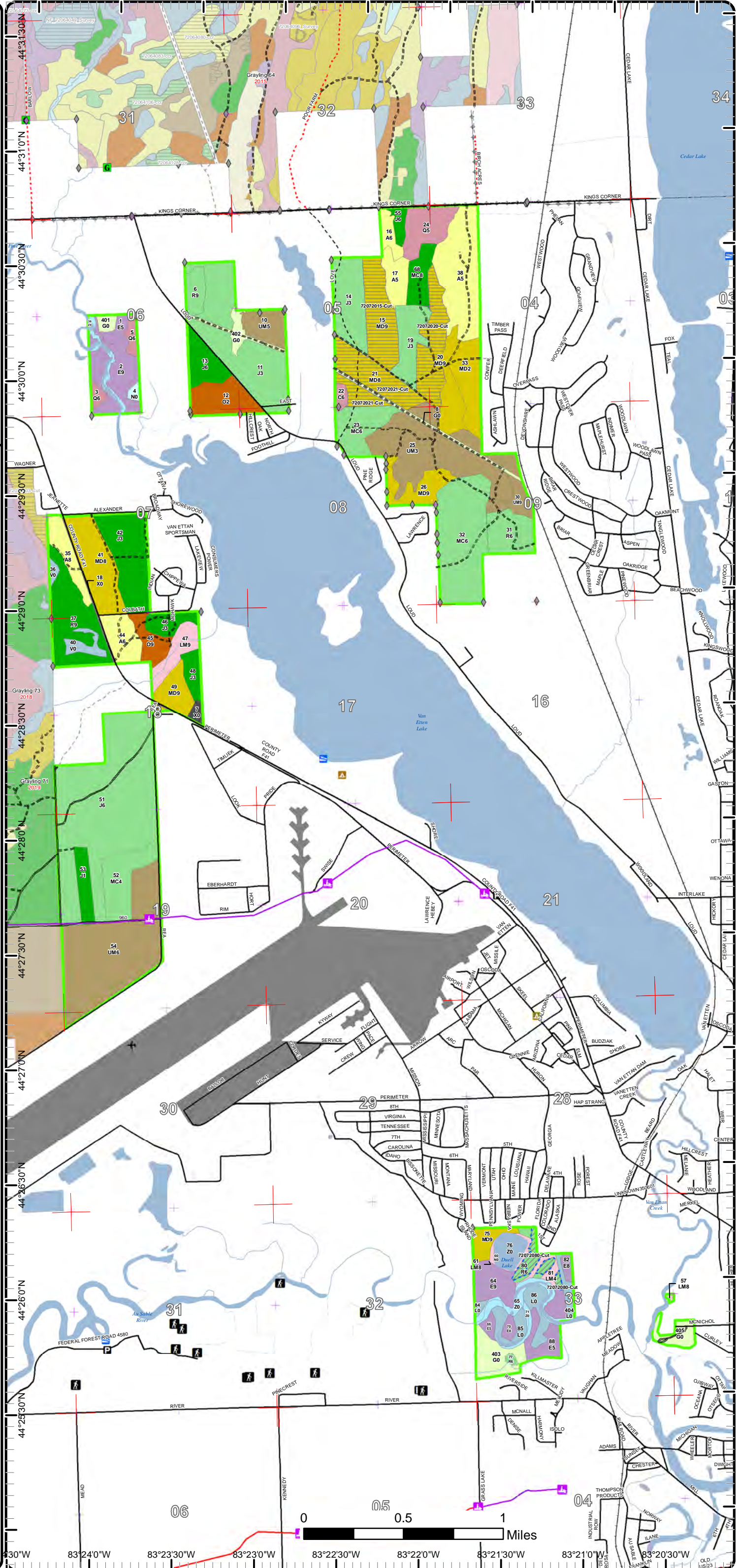
Cover Type & Treatments Map

Compartment: 72
 T24N, R09E, Sec. 4-9, 18, 19, 30,
 33, 34

County: Iosco
 Unit: Grayling
 Mgmt Area: Wurtsmith
 YOE: 2020
 Acres: 1,997 GIS Calculated
 Examiner: Kevin Ehler
 Map Revised: 2/1/2019
 Map Phase: Post-Review



- Miris Corners
- ◆ Remounted Section Corners
- ◆ Field Grade Corners
- Counties
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- 🚲 Bike Trails
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- ▲ Berms
- 🚪 Gate
- 🚤 Boating Access Site
- 🏕 Campground
- 🚗 Parking Lot
- ⚡ Powerline
- Airports
- Compartment Boundary
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- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
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- 611 - Lowland Deciduous Forest
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- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 123 - Other High Intensity Urban
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes



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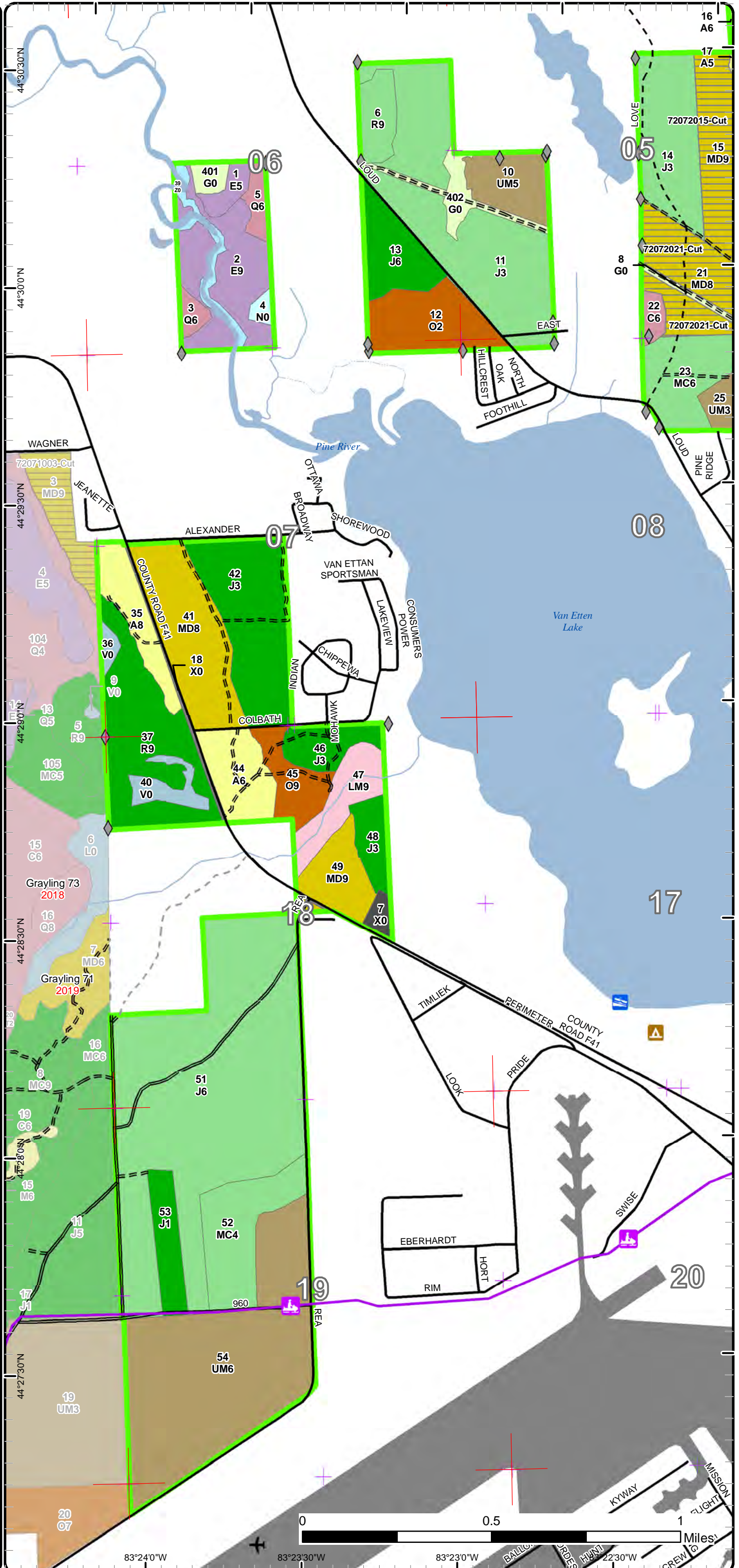
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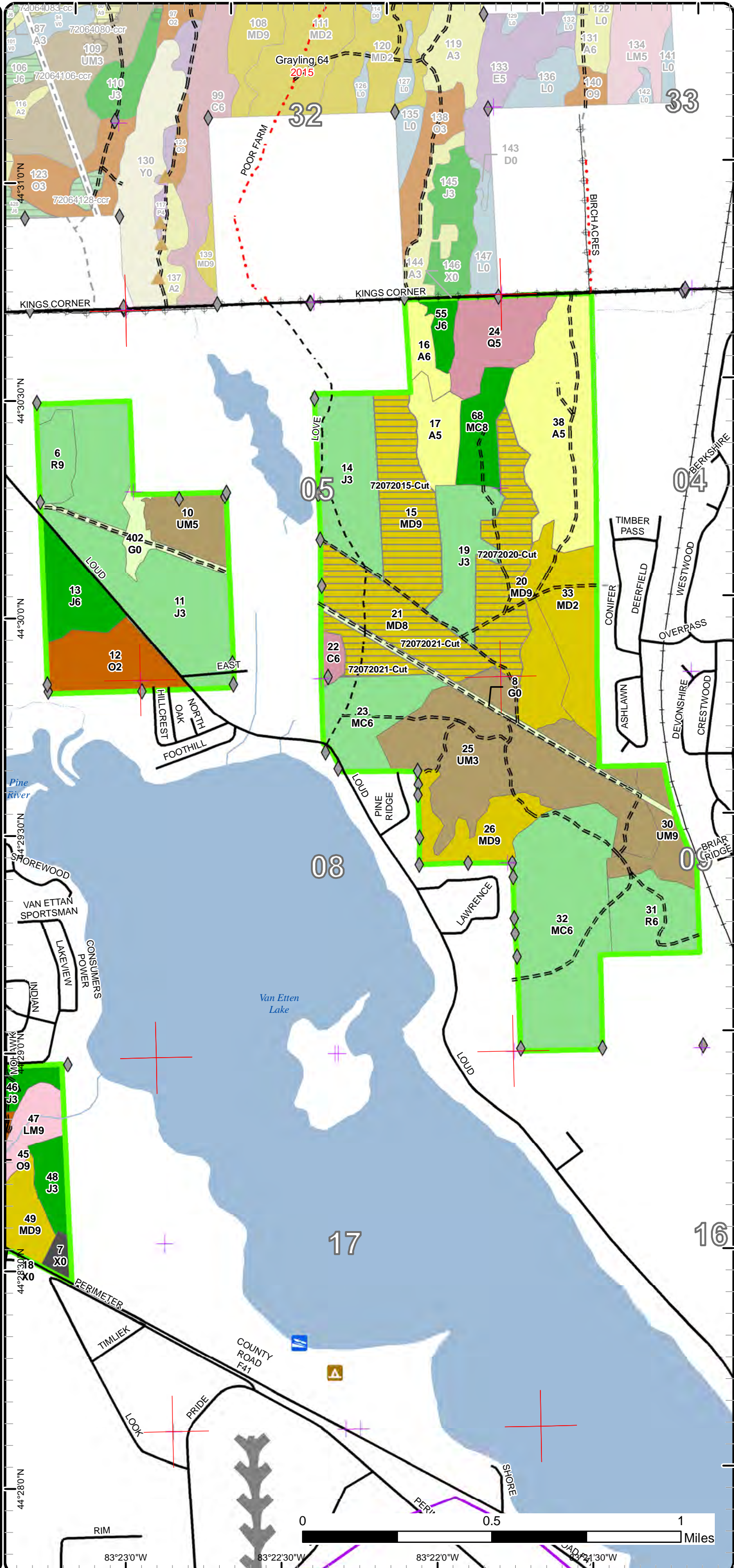
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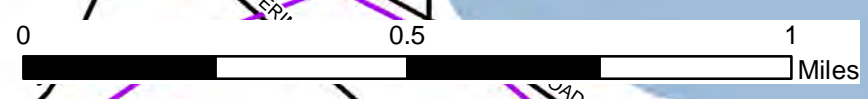
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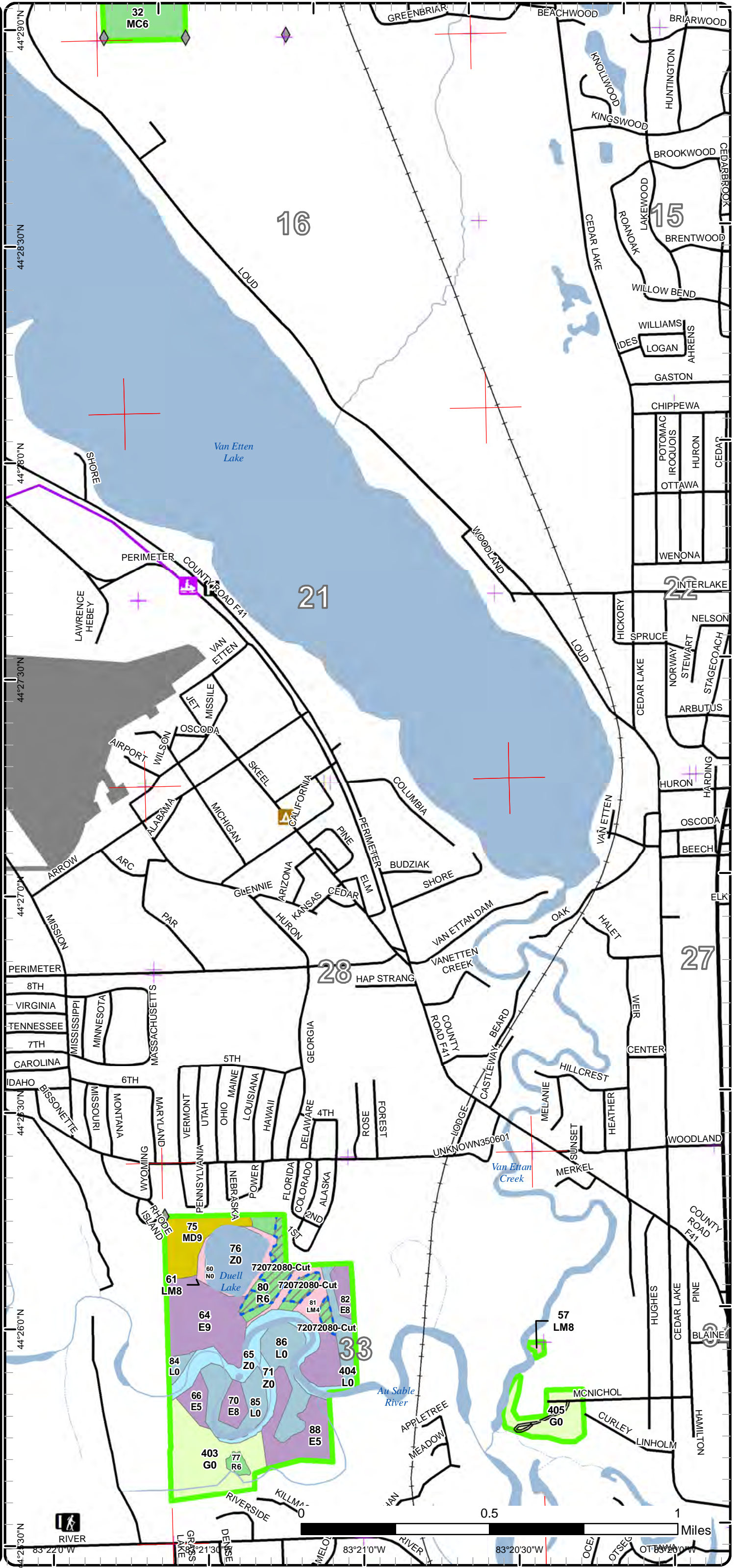


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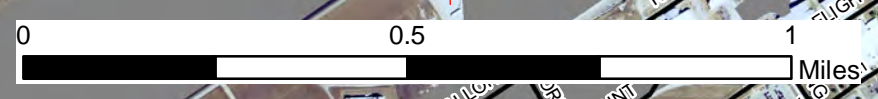
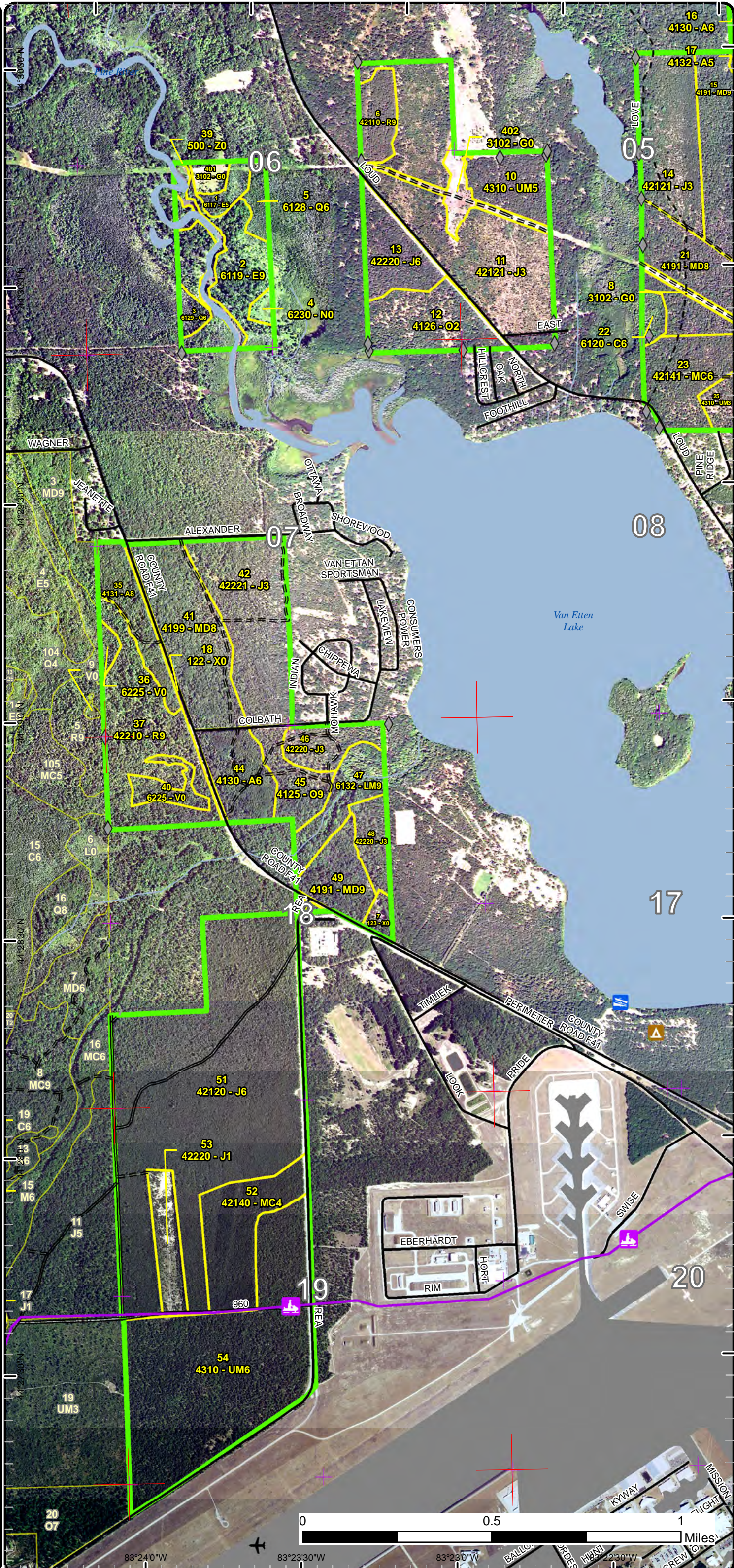
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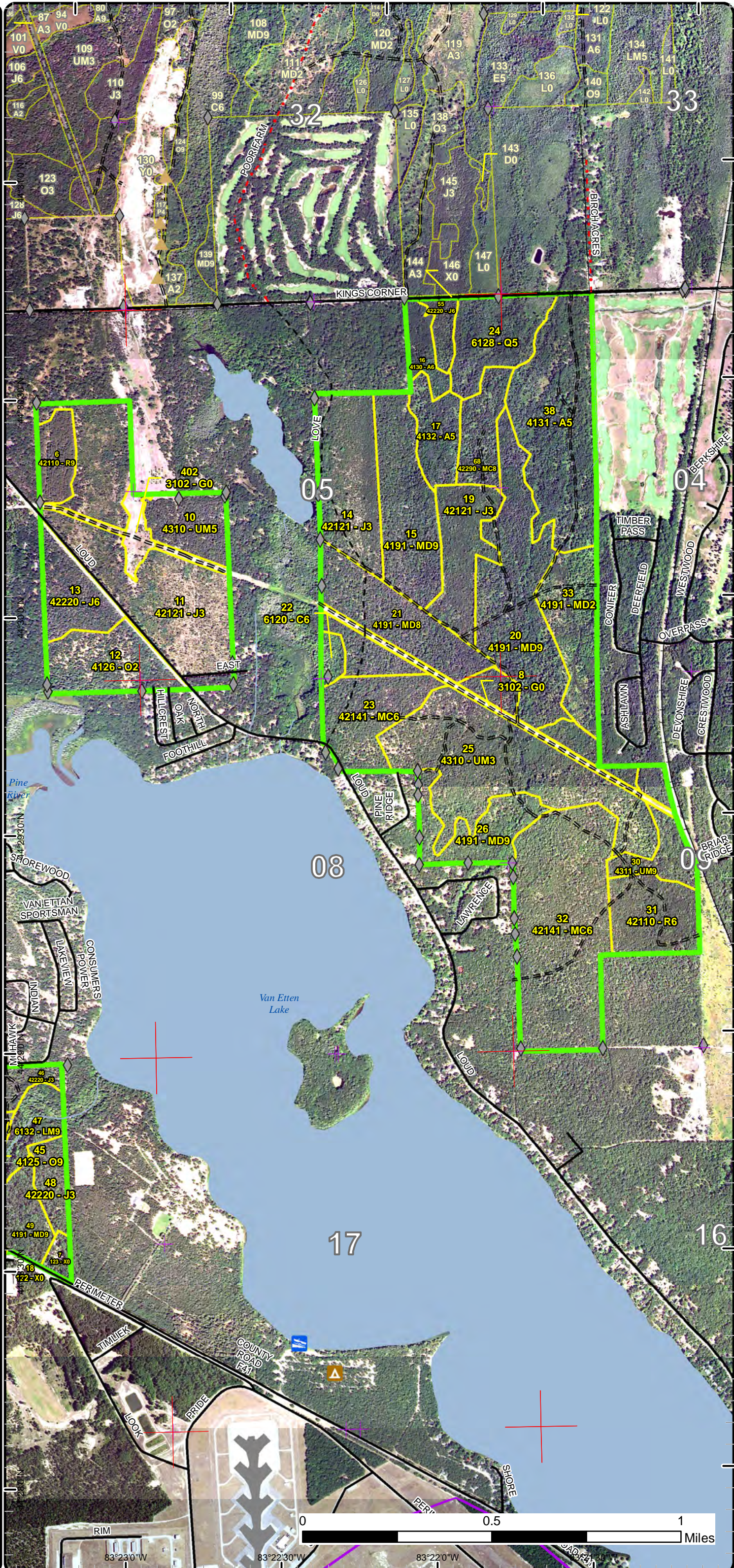


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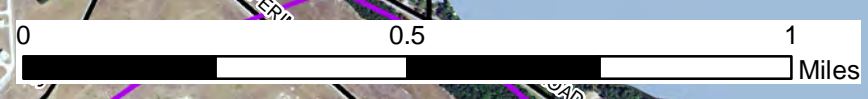
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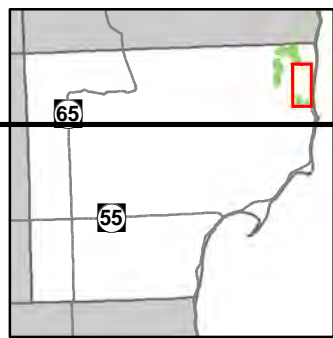


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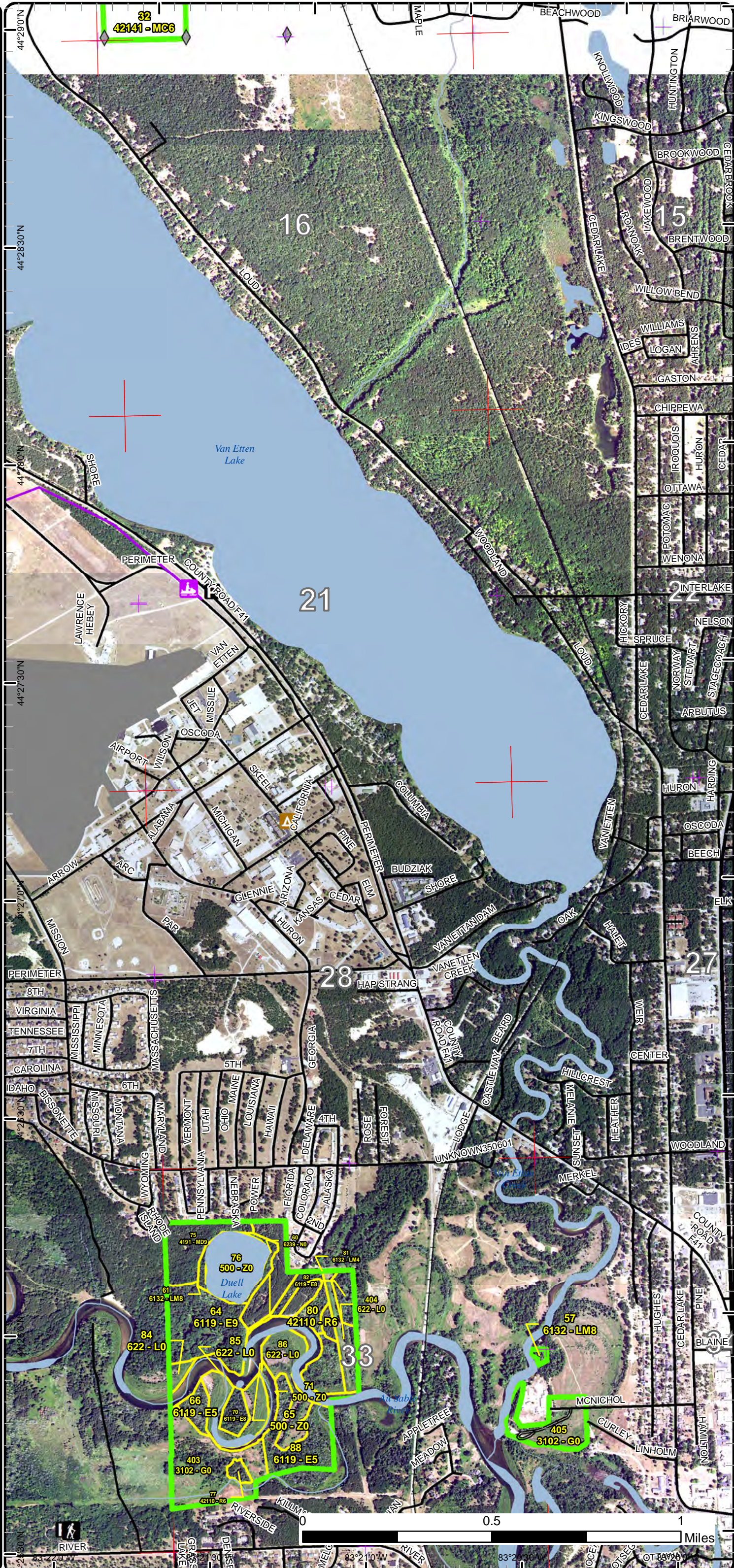
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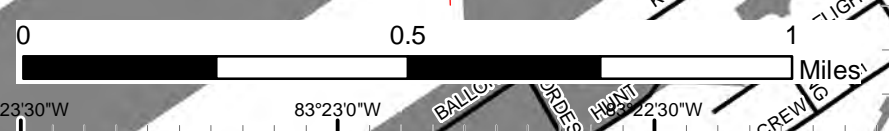
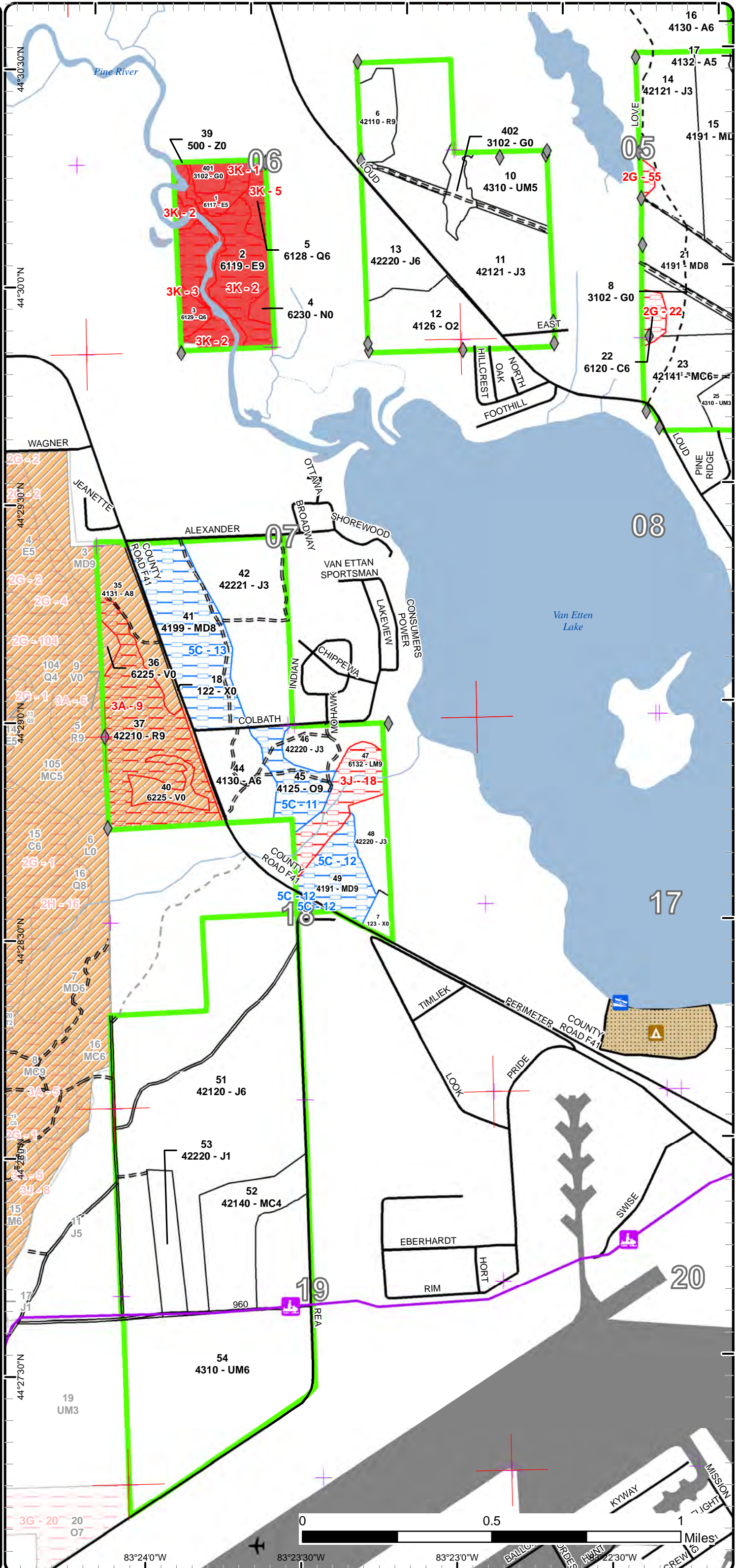
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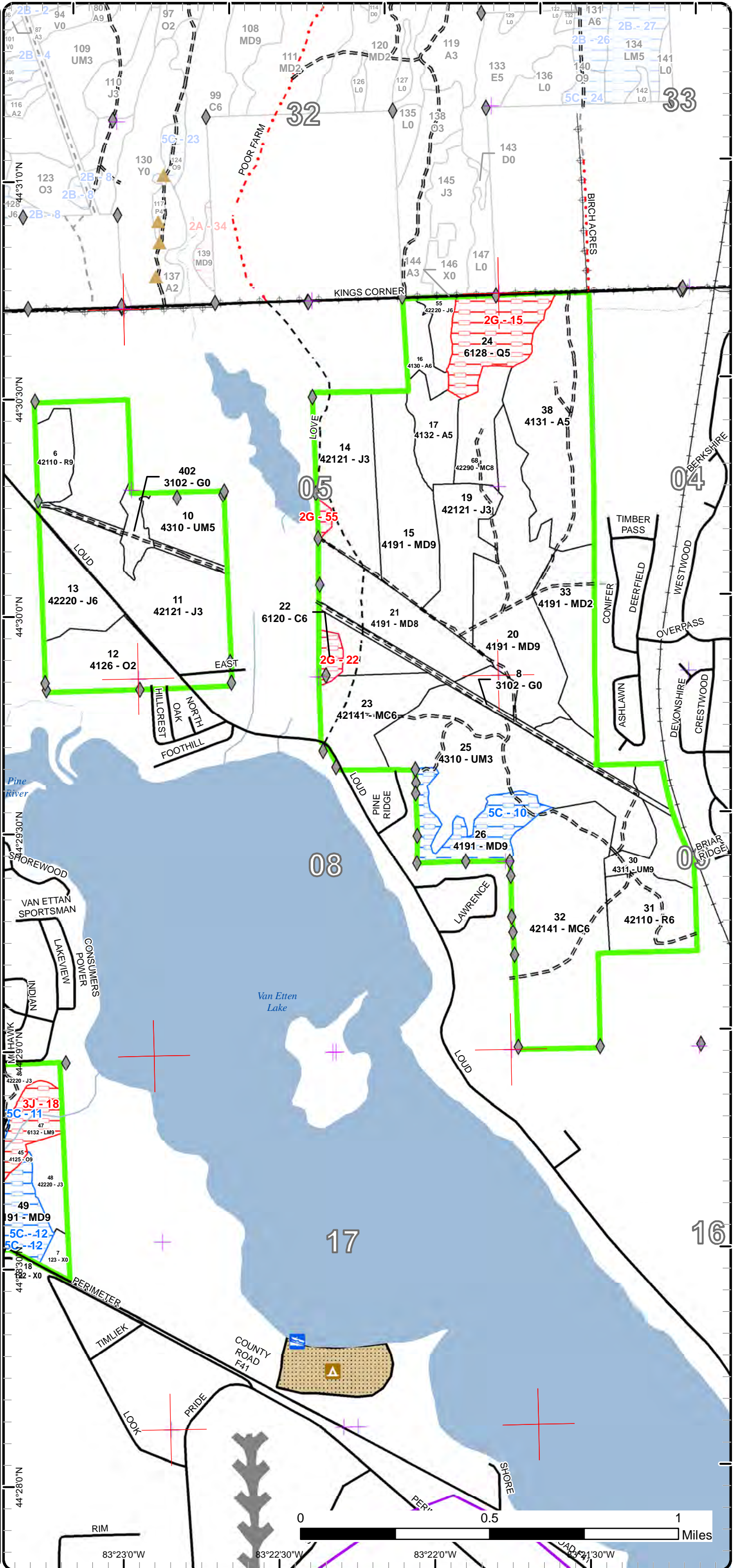
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- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 3K: Rare or unique landforms
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Eastern Massasauga Managed Land
- Cold Water Streams
- Cold Water Lakes
- State Forest Campground



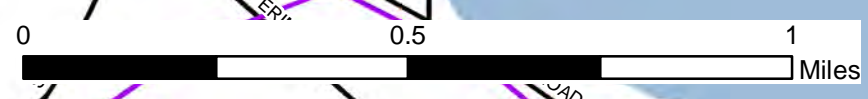
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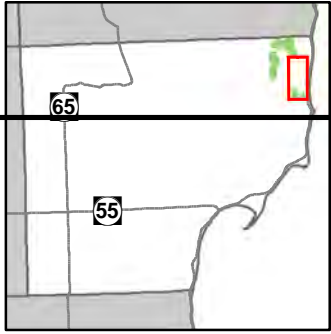


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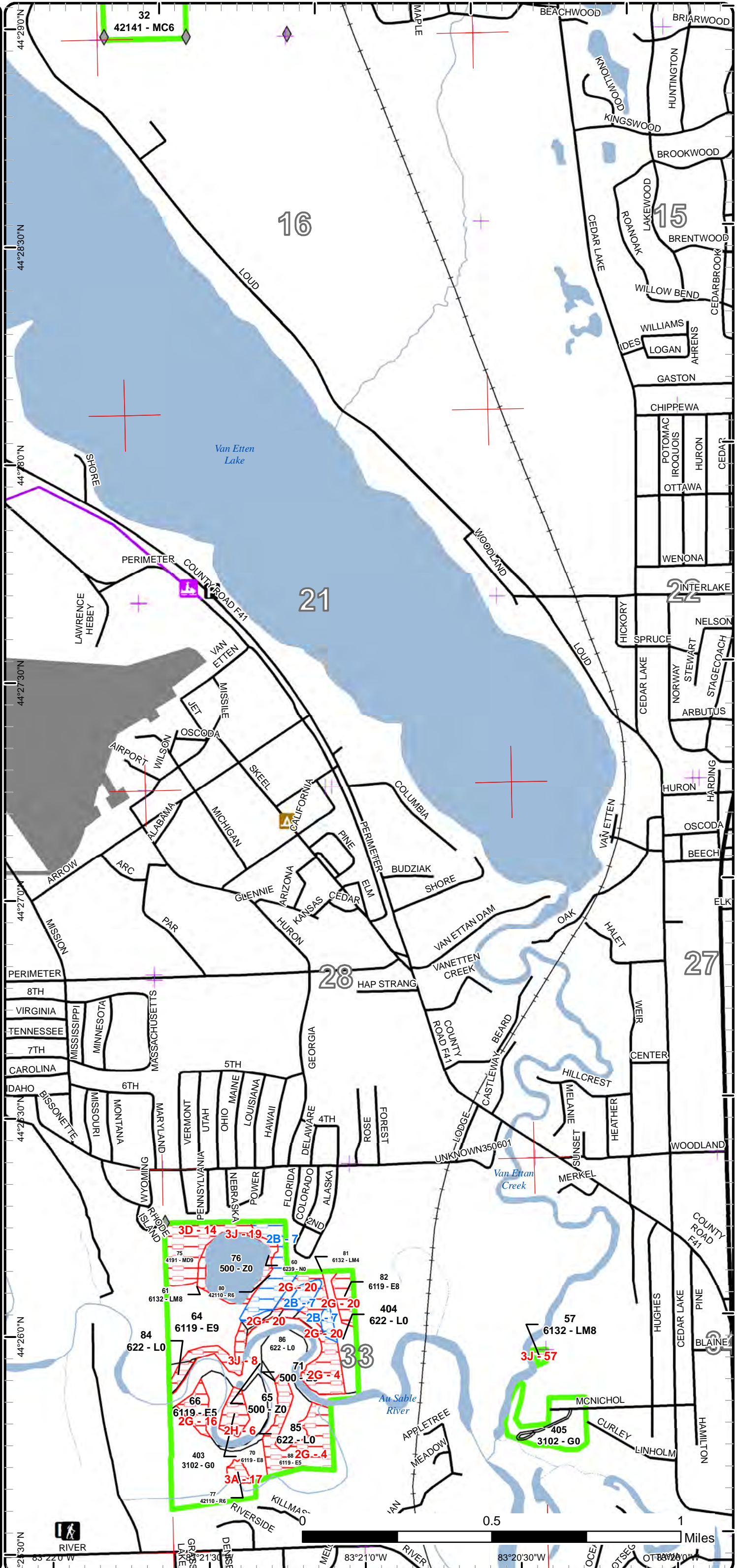
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- 2G: Too wet (sensitive soils, does not include access issues)
 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
 3A: Conservation Values incompatible with harvest at this time
 3D: Recreational / Scenic values
 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
 - Cold Water Streams
 - Cold Water Lakes



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 | 149 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149 |
| Bog | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Herbaceous Openland | 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 |
| Jack Pine | 0 | 0 | 98 | 120 | 65 | 243 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 526 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 42 |
| Lowland Deciduous | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 28 | 0 | 4 | 0 | 6 | 0 | 0 | 43 | 24 | 0 | 109 |
| Lowland Mixed Forest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 26 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| Lowland Shrub | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| Marsh | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Mixed Upland Deciduous | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 194 | 64 | 0 | 22 | 0 | 0 | 0 | 0 | 314 |
| Natural Mixed Pines | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| Oak | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 50 |
| Planted Mixed Pines | 0 | 0 | 0 | 0 | 33 | 135 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 168 |
| Red Pine | 0 | 0 | 0 | 0 | 30 | 0 | 18 | 14 | 0 | 0 | 0 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 121 |
| Upland Mixed Forest | 0 | 0 | 0 | 104 | 144 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 289 |
| Urban | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Water | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 |
| Total | 173 | 0 | 132 | 257 | 421 | 439 | 49 | 14 | 4 | 35 | 201 | 163 | 19 | 28 | 0 | 0 | 43 | 24 | 2000 |



Report 2 – Treatment Summary

Grayling Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 72

Total Compartment Acres: 1,997

Commercial Harvest - 141
 Harvests with Site Condition - 12
 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 |
|------------------------|------------|-----------|----------------|-----------|-------------|-----------|-------------------|----------|----------|-------------|
| Mixed Upland Deciduous | 141 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 141 |
| Red Pine | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 12 |
| Total | 141 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 152 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|------------|-----------|----------|----------|----------|-----------|------------|----------|-----------------|-------------|
| Current | 152 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 152 |
| Next Step | 0 | 0 | 0 | 0 | 0 | 0 | 141 | 0 | 0 | 141 |
| Total | 152 | 0 | 0 | 0 | 0 | 0 | 141 | 0 | 0 | 293 |



| 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 |
|-----------------------|----------------|-------|--|----------------|-----------|----------|----------------|-------------------------|--|---------------|----------------------|
| 15 | 72072015-Cut | 46.2 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 98 | 81-110 | Harvest | Clearcut with Retention | 4191 - Mixed Upland Deciduous with Conifer | Even-Aged | Draft Field Boundary |

Habitat Cut: No

Site Condition:

Prescription Final harvest all species. Follow standard retention guidelines using area based retention. Skid tops to improve scarification.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: A mixture of oak, aspen and mixed conifer. Monitor natural regeneration during next YOE to determine if supplemental planting of jack pine is necessary to meet minimum required stocking levels.

Other

Comment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|----|--------------|------|--|----------------|----|--------|---------|-------------------------|--|-----------|----------------------|
| 20 | 72072020-Cut | 43.7 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 99 | 81-110 | Harvest | Clearcut with Retention | 4191 - Mixed Upland Deciduous with Conifer | Even-Aged | Draft Field Boundary |
|----|--------------|------|--|----------------|----|--------|---------|-------------------------|--|-----------|----------------------|

Habitat Cut: No

Site Condition:

Prescription Final harvest all species. Follow standard retention guidelines using area based retention. Skid tops to improve scarification. Treatment

Specs: boundary designed to leave the part of stand that is east of the drainage for age/structural diversity in the area.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: A mixture of oak, aspen and mixed conifer. Monitor natural regeneration during next YOE to determine if supplemental planting of jack pine is necessary to meet minimum required stocking levels.

Other

Comment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|----|--------------|------|--|------------------|----|-------|---------|-------------------------|--|-----------|----------------------|
| 21 | 72072021-Cut | 51.0 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Medium | 99 | 51-80 | Harvest | Clearcut with Retention | 4191 - Mixed Upland Deciduous with Conifer | Even-Aged | Draft Field Boundary |
|----|--------------|------|--|------------------|----|-------|---------|-------------------------|--|-----------|----------------------|

Habitat Cut: No

Site Condition:

Prescription Final harvest all species. Follow standard retention guidelines using area based retention. Skid tops to improve scarification.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: A mixture of oak, aspen and jack pine. Monitor natural regeneration during next YOE to determine if supplemental planting of jack pine is necessary to meet minimum required stocking levels.

Other

Comment:

Proposed Start Date: 10/1 /2019

| | | | | | | | | | | | |
|----|--------------|------|--------------------------|-----------------|----|------|---------|---------------------|-------------------------|-----------|----------------------|
| 80 | 72072080-Cut | 11.5 | 42110 - Planted Red Pine | Poletimber Well | 52 | 201+ | Harvest | Systematic Thinning | 4211 - Planted Red Pine | Even-Aged | Draft Field Boundary |
|----|--------------|------|--------------------------|-----------------|----|------|---------|---------------------|-------------------------|-----------|----------------------|

Habitat Cut: No

Site Condition: Unknown Access

Prescription Third row thin red pine plantation. Dry summer or frozen winter conditions needed to access the two smaller pieces to the East.

Specs:

Next Step

Treatments:

Acceptable Regen:

Regen:

Other Comment: PVT boundary needed.

Comment:

Proposed Start Date: 10/1 /2019



S
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n
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| Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-----------------|
|----------------|-------|-----------------|--------------|-----------|----------|----------------|------------------|----------------------|---------------|-----------------|

Total Treatment Acreage Proposed: 152.4

Report 4 – Site Conditions

Grayling Mgt. Unit
Kevin Ehlert : Examiner

Compartment: 72
Year of Entry: 2020

Availability for Management

| Total Acres | Acres Available | Acres Avail | | Acres Not Available | Dominant Site Conditions | Dominant Site Conditions | | | | | | | | | | |
|----------------|--------------------|----------------|--|------------------------|--------------------------|--------------------------|-----|----|----|----|----|----|----|--|---|----|
| | | With Condition | | | | 2B | 5C | 2G | 2H | 3A | 3D | 3J | 3K | | | |
| 149 | 149 | 0 | | 0 | Aspen | | 0 | | | | | | | | | |
| 12 | 12 | 0 | | 0 | Bog | | | | | 0 | | | | | | |
| 5 | 0 | 0 | | 5 | Cedar | | | 5 | | | | | | | | |
| 67 | 67 | 0 | | 0 | Herbaceous Openland | | | 0 | | 0 | | | | | 0 | |
| 526 | 524 | 0 | | 2 | Jack Pine | | 0 | 2 | | | | | | | | |
| 42 | 0 | 0 | | 42 | Lowland Conifers | | | 31 | | | | | | | | 11 |
| 110 | 19 | 0 | | 90 | Lowland Deciduous | | | 32 | 4 | | 0 | 5 | 49 | | | |
| 33 | 0 | 0 | | 33 | Lowland Mixed Forest | 0 | 0 | 5 | | | | | 28 | | | |
| 34 | 33 | 0 | | 2 | Lowland Shrub | 0 | | 0 | 0 | | | | 2 | | | |
| 11 | 11 | 0 | | 0 | Marsh | | | | | | | | | | | 0 |
| 313 | 201 | 99 | | 13 | Mixed Upland Deciduous | | 99 | 0 | | | 13 | | | | | |
| 20 | 20 | 0 | | 0 | Natural Mixed Pines | | | | | | | | | | | |
| 50 | 33 | 18 | | 0 | Oak | | 18 | | | | | | | | | |
| 168 | 168 | 0 | | 0 | Planted Mixed Pines | | 0 | 0 | | | | | | | | |
| 120 | 44 | 14 | | 62 | Red Pine | 14 | | | | 61 | | 1 | | | | |
| 289 | 289 | 0 | | 0 | Upland Mixed Forest | | 0 | | | | | | | | | |
| 10 | 10 | 0 | | 0 | Urban | | | | | | | | | | | |
| 38 | 37 | 0 | | 0 | Water | | | 0 | 0 | | | 0 | 0 | | | |
| 1,997 | 1,617 | 131 | | 249 | Total Forested Acres | 14 | 117 | 75 | 4 | 61 | 13 | 36 | 60 | | | |
| | 81% | 7% | | 12% | 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 | 3K: Rare or unique landforms | 6 | 3A: Conservation Values incompatible with harvest at this time | Unspecified | Unspecified | Unspecified |
| Comments: Stand is part of a Floodplain Forest Natural Community-Designated ERA. | | | | | | | |

Report 4 – Site Conditions

Grayling Mgt. Unit
Kevin Ehlert : Examiner

Compartment: 72
Year of Entry: 2020

| | | | | | | | |
|--|--------------------|---|----|---|-------------|-------------|-------------|
| 2 | Unavailable | 3K: Rare or unique landforms | 43 | 3A: Conservation Values incompatible with harvest at this time | Unspecified | Unspecified | Unspecified |
| Comments: Stand is part of a Floodplain Forest Natural Community-Designated ERA. | | | | | | | |
| 3 | Unavailable | 3K: Rare or unique landforms | 5 | 3A: Conservation Values incompatible with harvest at this time | Unspecified | Unspecified | Unspecified |
| Comments: Stand is part of a Floodplain Forest Natural Community-Designated ERA. | | | | | | | |
| 4 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 24 | 2B: Unknown if access through adjacent landowner(s) is possible | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 5 | Unavailable | 3K: Rare or unique landforms | 7 | 3A: Conservation Values incompatible with harvest at this time | Unspecified | Unspecified | Unspecified |
| Comments: Stand is part of a Floodplain Forest Natural Community-Designated ERA. | | | | | | | |
| 6 | Unavailable | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 4 | 2G: Too wet (sensitive soils, does not include access issues) | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 4 – Site Conditions

Grayling Mgt. Unit
Kevin Ehlert : Examiner

Compartment: 72
Year of Entry: 2020

| | | | | | | | |
|---|--------------------|---|----|-------------|-------------|-------------|-------------|
| 7 | Available | 2B: Unknown if access through adjacent landowner(s) is possible | 14 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 8 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 10 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Lower AuSable River buffer 100'. | | | | | | | |
| 9 | Unavailable | 3A: Conservation Values incompatible with harvest at this time | 59 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Big tree management recommended in past Y0E. Part of EMR CCAA Managed Land. | | | | | | | |
| 10 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 27 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 11 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 18 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 12 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 22 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Consider treating in future YOE with stand 44. | | | | | | | |

Report 4 – Site Conditions

Grayling Mgt. Unit
Kevin Ehlert : Examiner

Compartment: 72
Year of Entry: 2020

| | | | | | | | |
|--|--------------------|---|----|---|--|-------------|-------------|
| 13 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 51 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 14 | Unavailable | 3D: Recreational / Scenic values | 13 | 2B: Unknown if access through adjacent landowner(s) is possible | 3I: Historical / archeological (add locked comments) | Unspecified | Unspecified |
| Comments: The block of State Land that this stand is in gets heavy recreational use from adjacent subdivision. Foot trails are used for hiking to access Duell Lake and the AuSable River. In previous YOЕ, the area was treated as an SCA due to recreational use. Unknown if access will be allowed through adjacent USFS lands. | | | | | | | |
| 15 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 31 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Most of the stand is too wet for harvest. May be able to incorporate some edge work when adjacent stands are treated. | | | | | | | |
| 16 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 4 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 17 | Unavailable | 3A: Conservation Values incompatible with harvest at this time | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Due to small stand size and difficult access, harvesting would most likely be unfeasible in this stand. | | | | | | | |

Report 4 – Site Conditions

Grayling Mgt. Unit
Kevin Ehlert : Examiner

Compartment: 72
Year of Entry: 2020

| | | | | | | | |
|---|-------------|---|----|--|-------------|-------------|-------------|
| 18 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 21 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Stand consists of steep slopes down to Dry Creek with sensitive soils at the bottom. Harvest would be likely to cause excessive rutting, with potential to cause sedimentation in stream. | | | | | | | |
| 19 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 5 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: Buffer stand for Duell Lake | | | | | | | |
| 20 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 9 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 22 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 5 | 4A: No Markets Available for these Forest Products | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 55 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 2 | 4A: No Markets Available for these Forest Products | Unspecified | Unspecified | Unspecified |
| Comments: Lowland conifer inclusion in stand 14, does not meet minimum mapping standards. | | | | | | | |
| 57 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 1 | 3G: Other Influence zones - See comments | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

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



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

| Conservation Area | Type | Description |
|-------------------|----------------------------|--|
| SCA | Cold Water Lake | A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200. |
| SCA | Cold Water Stream | A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210. |
| ERA | Ecological Reference Areas | Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form. |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|--|-------------------|-------|-----------|----------|---|
| 1 | 6117 - Lowland Deciduous, Mixed Coniferous | Poletimber Medium | 6.3 | 128 | 51-80 | Some browse evident in stand. Aspen and maple with scattered cedar and fir. Very close to water table, much of the stand is flooded and has low density canopy. Old corduroy road in stand. The road starts in the northern grass stand and ends in stand 5. Did find an area that looked like it could have been used as an old landing. Trees are small diameter, open water present throughout. This stand is part of a Flood Plain Forest ERA. |
| 2 | 6119 - Mixed Lowland Deciduous Forest | Sawtimber Well | 42.8 | 174 | 81-110 | This stand is part of a Flood Plain Forest -ERA. The stand consists of silver maple, with minor components of scattered misc hdwd(elm, oak, basswood) and conifer. Green ash, and black ash previously occupied a significant component of the canopy, but EAB infestation has led to complete mortality. This has left very much large coarse woody debris throughout the stand. Many trees 3+ feet in diameter 80 feet +/- tall. The stand varies in quality, some areas w/ very evident decline. Ground cover consisted of thick shrubs and ferns. |
| 3 | 6129 - Mixed Coniferous Lowland Forest | Poletimber Well | 4.5 | 109 | 51-80 | Creek running through south end of stand to Pine River. Stand is very wet. Mucky ground and lots of standing water. Dense understory of balsam fir. Small patches of tag alder in some spots. Consider stand to be part of the adjacent flood plain forest community (ERA). |
| 5 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Well | 6.6 | 98 | 51-80 | Lowland conifer stand with birch, aspen and maple mixed in. The stand has a dense understory of fir. Most of the stand is very wet with areas of standing water. Consider stand to be a portion of the adjacent flood plain forest (ERA). |
| 6 | 42110 - Planted Red Pine | Sawtimber Well | 14.0 | 66 | 141-170 | Density is higher on edges than interior. FDF stand. Thined in 2001 under contract 027-00-01 Little Red Pine Thinning. Good advanced regen of oak in Sub-canopy. Heavier in more open areas and removed rows from previous thinning. |
| 10 | 4310 - Pine, Oak Mix | Poletimber Medium | 21.6 | 48 | 1-50 | Portions of stand burned in 1988. An excellent mixture of pine and oak. Bigger timber found in northern portion of stand. |
| 11 | 42121 - Planted Jack Pine, Mixed Deciduous | Sapling Well | 98.4 | 12 | Immature | Areas of advanced regen and oak stump sprouts present in stand. Some planted areas look to have a 25% mortality rate, other areas look better. Planted JP is 10-15' tall. oak retained along rd for aesthetics. (Stand was planted to jack pine in spring of 2007 under FTP C72-479.) |
| 12 | 4126 - White, Black, N. Pin Oak | Sapling Medium | 32.5 | 24 | Immature | Pockets of very nice white pine regen. The stand is moderately stocked with scattered open areas. Some log size WP left in more open areas. The SW corner drops fast and starts to turn into an L-type. An ingress/egress easement granted to the State begins in the SW corner and heads west to the 80 acre ERA along the section line. Buffer of mature oak and red pine left for visual management along Loud Dr. during previous harvest. |
| 13 | 42220 - Natural Jack Pine | Poletimber Well | 24.1 | 48 | 51-80 | Mixture of jack pine, red pine, and pin oak. Low density, poor quality jack pine. Sub canopy has some pockets with good advanced regen and some more open. Pocket of saw size mixed oak on west boundary of stand was previously stand 73 but does not meet mapping standards. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|---|-------------------|-------|--------------|-------------|---|
| 14 | 42121 - Planted Jack Pine, Mixed Deciduous | Sapling Well | 44.7 | 23 | Immature | Stand was seeded to JP in 1996. Some scattered large diameter oak. Regen 15-20' tall. Regen is a mixture of seeded J.P. and pin oak. Inclusion of sap/pole aspen on west edge (~3 acres). Also an inclusion of lowland conifer in SW corner (~2 acres). |
| 15 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 46.2 | 98 | 81-110 | Poor quality pin oak with JP and RP scattered throughout. Some clumps of BTA. Sub canopy oak 3 - 20' tall. Pine Component higher in N and E. |
| 16 | 4130 - Aspen | Poletimber Well | 10.8 | 32 | Immature | Stand was final harvested in 1987. Some areas regenerated right away, and others took longer to establish resulting in the current mixture of small poles and larger saplings throughout. |
| 17 | 4132 - Aspen, Jack Pine | Poletimber Medium | 18.7 | 33 | 1-50 | Scattered trees mixed with regen. High water table in some areas of the stand. Small grassy openings scattered throughout the stand. |
| 19 | 42121 - Planted Jack Pine, Mixed Deciduous | Sapling Well | 31.1 | 23 | Immature | A diverse stand jp, wp, bta, Oak Regen 15-20' tall. Stand seeded to JP in 1996. Aspen, Oak along South edge of stand |
| 20 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 70.1 | 99 | 81-110 | Poor quality stand. There is a small drainage running through it. North portion contains larger component of J.P. on lower wetter ground. Scattered wolfy red pine. Some Aspen. was held in the previous YOE because of adjacent non-stocked stand. |
| 21 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Medium | 51.0 | 99 | 51-80 | Poor quality pin oak and JP. Looks like a fair amount of age related decline. Approximately 2 acre pocket of pole size bigtooth aspen in SE corner of stand. |
| 22 | 6120 - Lowland Cedar | Poletimber Well | 5.0 | 105 | 141-170 | Lowland conifer stand that continues onto private property. Boundary between stands 22 and adjacent stands 21 and 23 is a steep slope making it inaccessible for harvest. |
| 23 | 42141 - Planted Mixed Pine, Mixed Deciduous | Poletimber Well | 33.2 | 36 | 1-50 | A mixed conifer stand. Some areas of Oak regen . Planted in 1983. CC 1978. Planted stock now reaching pole class, 1-2 sticks. Some residual R.P., W.P. and oak left. Mature visual island appears to be left along road. |
| 24 | 6128 - Lowland Coniferous, Mixed Deciduous | Poletimber Medium | 31.1 | 58 | 1-50 | Lowland stand with a mixture of lowland conifer, red maple, quaking aspen, birch, and more open areas filled in with tag alder. Density and species vary throughout the stand due to changing water table depth. |
| 25 | 4310 - Pine, Oak Mix | Sapling Well | 104.3 | 29 | Immature | Salvage cut in 1989. Some scattered trees of merchantable size. Majority of oak regen is from stump sprouts. Budworm present in stand. Drainage running N/S through middle of stand. variable stand. small pockets of A3 and MD3 throughout. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|----------------------|-------|--------------|-------------|--|
| 26 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 26.6 | 99 | 81-110 | Adjacent to residential along Van Ettan Lk. Diverse stand. Mixture of mostly Northern pin oak and red pine sawtimber with white oak, jack pine, white pine, and aspen throughout. Oak is showing signs of decline. Density varies throughout with basal area swings ranging from 60-110. A drainage associated with Van Ettan Lake runs N/S along the East boundary of the stand. |
| 30 | 4311 - Pine, Aspen Mix | Sawtimber Well | 19.2 | 40 | 51-80 | Mixed stand. Mature RP, WP, JP and Pin oak. sap/pole size aspen and red maple. The section North of the powerline contains a higher component of aspen and jack pine that that of the section South of the powerline. |
| 31 | 42110 - Planted Red Pine | Poletimber Well | 29.8 | 36 | 81-110 | Planted to Red Pine in 1983. Mostly pole size red pine. Evaluate for first thin next Y0E. Not ready yet. Scattered saw size pin and white oak. small pockets of bigtooth aspen. |
| 32 | 42141 - Planted Mixed Pine, Mixed Deciduous | Poletimber Well | 96.6 | 40 | 51-80 | Portions of stand have been trenched and seeded to jack pine. Stand also contains a component of natural regen of oak, and some log size oak, red pine, and white pine that was left during previous harvest. Stand is variable with scattered open areas through out. A fire of approximately 5 acres took place in the north half of the stand resulting in an inclusion that is 10-15 yrs younger than the rest of the stand of mainly pin oak/jack pine cover. |
| 33 | 4191 - Mixed Upland Deciduous with Conifer | Sapling Medium | 34.0 | 17 | Immature | The east portion of stand has naturally regenerated to aspen, maple and oak. The advanced oak regen left during last treatment is now 4 to 5 " in diameter. Parts of the West half of stand were not fully stocked which resulted in planting jack pine. Some small pockets of nearly pure jack pine, but mostly a mix of MD3 and J3. Old treatment: cc, plant to JP where no natural regeneration. JP-A type, portion of stand will convert to Aspen SALE #720260001 CAREFUL REGEN BLOCK (12-31-02) |
| 35 | 4131 - Aspen, Oak | Sawtimber Medium | 20.2 | 35 | 81-110 | OPIC - FMD: 2 aged stand. Everything removed in 84 except for oak and red pine. The overstory is about 100 yrs old. Pockets of A3 mainly in the western portions of the stand. Stand borders F-41, leave residual for aesthetics. Combined portions of this old stand with adjacent red pine stand(37). |
| 37 | 42210 - Natural Red Pine | Sawtimber Well | 58.9 | 100 | 111-140 | Portions of stand thinned in 91 with adjacent stand 5 in compartment 71. Very high water table, especially around stand 40. Access route though stand was closed with a gate to reduce risk of resource damage due to flooding. Areas of decent white pine regen. Huckle berry and labador tea present throughout stand. Tamarack, oak, birch, aspen, spruce and red maple also present in stand. Big tree management recommended in past Y0E. Part of EMR CCAA Managed Land. |
| 38 | 4131 - Aspen, Oak | Poletimber Medium | 75.3 | 38 | 1-50 | Mixed aspen and oak with variety of other species. Open areas with scrub cherry and maple. Many aspen still do not make a stick. The western edge of the stand transitions into drainage leading to stand 24. High water table in drainage. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|------------------|-------|--------------|-------------|---|
| 41 | 4199 - Other Mixed Upland Deciduous | Sawtimber Medium | 50.8 | 108 | 51-80 | Aspen and jack pine removed in 1982. Majority of aspen is adjacent to F-41. The rest of the stand contains more pin oak and an understory is a mixed pine/oak. A pocket of large saw size red pine is found in the southern end, also a nice hemlock was found with some nearby hemlock regen. Scattered jack pine, white pine, spruce and fir present as well. |
| 42 | 42221 - Natural Jack Pine, Mixed Deciduous | Sapling Well | 57.5 | 33 | Immature | A mixed jack pine oak stand. Final harvested in 1982. Stocking is variable. Trails are being used by orv's. |
| 44 | 4130 - Aspen | Poletimber Well | 24.0 | 36 | 111-140 | Good looking aspen stand. Scattered trash dumping through out stand. Some mixed conifer present, mainly in transition to stand 43. Buffer of mature red pine and oak left along F-41 on stands West end. Could cut or hold till next YOE. |
| 45 | 4125 - Black, N. Pin Oak | Sawtimber Well | 17.6 | 115 | 51-80 | An old uncut strip left from previous harvests. Oak is old but some are in fairly good shape. There are pockets of very poor quality too. Some mixed pine present in the understory. Suggest harvesting this stand in the future w/ stand 44 to try and expand the aspen component. Excellent cavity tree area. |
| 46 | 42220 - Natural Jack Pine | Sapling Well | 14.9 | 24 | 1-50 | Stand is mostly immature jack pine and pin oak with some overstory oak left in 1994 harvest. The overstory oak is mostly poor quality and aged 90-100 years old. Dense pockets of jack pine regen with decent quality oak through out. Small pockets of mature oak left throughout as a seed source. |
| 47 | 6132 - Mixed Lowland Forest with Cedar | Sawtimber Well | 20.8 | 106 | 81-110 | Stand consists of a slope down Dry Creek consisting of mixed lowland conifer and hardwood. Cedar and dead ash along the creek, as you get further away the stand has mostly white pine, red pine, and red maple. A hemlock or two present in stand. Steep slopes and saturated soils near bottom of slopes. Dead ash present near creek. Large Legacy white and red pine higher up slope. Large pin oak found along edges on transition into adjacent stands. |
| 48 | 42220 - Natural Jack Pine | Sapling Well | 12.2 | 24 | 1-50 | Scattered Pin oak left for seed source in super canopy. Jack pine/ pin oak regen is now 10-20' tall. Leave residual oak as is for future snags and Structural diversity. Similar to stand 46, cut in 1994. |
| 49 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 21.5 | 120 | 51-80 | A mix of aspen, oak, red pine and white pine. Fair amount of X-Log, especially in red pine, white pine, and pin oak. Much of the aspen is over mature. A diverse understory, heavy to white pine regen. Small pocket of mature red pine. Closed recreation field office within stand. Stand has been retained in the past due to scenic/recreational values. |
| 51 | 42120 - Planted Jack Pine | Poletimber Well | 218.7 | 40 | 51-80 | Stand was trenched and planted in 1981. Approximately 33 acres of the stand were seeded in 1979 after a fire. Mixed quality. Dumping along trails. Some super canopy RP, WP. Previously under lease to USAF. Scattered residual. Density will increase. Many stems still sub-merchantable. Proposed snowmobile trail through stand. Appears to be an active raptor nesting in super-canopy white pine. Found feeding cache near nest. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|---|----------------------|-------|--------------|-------------|---|
| 52 | 42140 - Planted Mixed Pine | Poletimber Poor | 38.4 | 40 | 51-80 | Planted red and jack pine. Stand is mostly small poles. Some areas of very poor quality. |
| 53 | 42220 - Natural Jack Pine | Sapling Poor | 16.6 | 22 | Immature | Stand barely meets 25% canopy closure. Consists of immature jp, rp, and pin oak. Large berm in S end to prevent illegal activity in area. JP is open grown and poor form. Heights range from 4 to 20'. Previously used as USAF anti tank range. |
| 54 | 4310 - Pine, Oak Mix | Poletimber Well | 143.7 | 35 | 1-50 | Fully stocked stand majority of stand is still unmerchantable. A mixed stand, mainly jack pine and pin oak with some red pine. Was under USAF Lease. Cut in 1984. |
| 55 | 42220 - Natural Jack Pine | Poletimber Well | 7.3 | 37 | 1-50 | Barely meets pole size classification. Many stems still below 5". Mostly limby 2-3 stick jack pine. Some scattered cherry and pin oak. |
| 57 | 6132 - Mixed Lowland Forest with Cedar | Sawtimber Medium | 0.8 | 110 | 51-80 | stand on slopeside to river. Mixed stand. Cedar on bottom, birch, aspen, red maple and red oak as you move up slope. ownership not verified in lots. |
| 61 | 6132 - Mixed Lowland Forest with Cedar | Sawtimber Medium | 4.8 | 109 | 51-80 | This is a small stand that encompasses Duell lake. Stand transitions from higher ground in adjacent stands to Duell Lake. |
| 64 | 6119 - Mixed Lowland Deciduous Forest | Sawtimber Well | 24.1 | 128 | 81-110 | The stand contains sugar maple, basswood, red oak and a lot of dead ash. The south eastern 7 acres or so of this stand is lower density and pole sized. This portion of the stand was not forested and open as early as the 30's. The rest of the stand looks like it has been left untouched and thinned naturally through ash and beech mortality. Much of the stand is in the Xlog size category. Majority of trees are large diameter, tall and exhibit good quality. There is a lot of both standing and down large woody debris. There are also some low pockets with few trees that appear to be submerged part of the year. |
| 66 | 6119 - Mixed Lowland Deciduous Forest | Poletimber Medium | 4.1 | 87 | 1-50 | Very high water table. Much of the stand is under water. A lot of dead ash is present. Mix of lowland hardwood including cottonwood, aspen, elm, and red maple. Dense lowland shrubs present in much of the stand. |
| 68 | 42290 - Natural Mixed Pine | Sawtimber Medium | 19.7 | 47 | 51-80 | Mixed stand. J.P. is dominant canopy cover. J.P. age ranges from mid 40's to mid 60's, with more in younger end of range. Lots of small open areas throughout stand. |
| 70 | 6119 - Mixed Lowland Deciduous Forest | Sawtimber Medium | 4.2 | 108 | 51-80 | Unable to access stand. Surrounded on all sides by water. Viewed stand from North and South side. Appears similar to stand 64. A mix of lowland hardwoods with a few cedar and white pines scattered throughout. |
| 75 | 4191 - Mixed Upland Deciduous with Conifer | Sawtimber Well | 12.9 | 107 | 81-110 | Monitoring wells in stand. North part of the stand is more of a smaller diameter oak and aspen and declining JP with scattered poor form overstory. The Southern part of the stand is the opposite with a small amount of the pole size oak and aspen and more dominated by large wolfy oak, red pine and white pine. |

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Grayling Mgt. Unit

Report 7 – Forested Stands

Compartment: 72
Year of Entry: 2020

| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|--|-------------------|-------|-----------|----------|---|
| 77 | 42110 - Planted Red Pine | Poletimber Well | 1.7 | 52 | 81-110 | Lots of traffic in the area from Federal land and nearby apartment complex. Small pocket of planted red pine that was successful. Basically surrounded by low ground. Difficult to access. Horsetail present throughout much of the stand. |
| 80 | 42110 - Planted Red Pine | Poletimber Well | 15.8 | 52 | 201+ | Small red pine plantations on higher ground surrounded by lowland and private property. Access may be difficult or not possible, but stand is ready for first thinning. BA ranges 200-270 sqft/acre. A good amount of foot traffic in the area. Foot paths connect to nearby subdivision and provide access to the river. A small section in the farthest NW corner of the stand is sawtimber size red pine with some mixed oak. This area could be left out of thinning treatment. |
| 81 | 6132 - Mixed Lowland Forest with Cedar | Poletimber Poor | 6.6 | 83 | 1-50 | High water table throughout the entire stand. West end of stand is low density paper birch in a drainage connected to Duell Lake. Dead ash has mostly fallen over. East half of stand was a failed section of the red pine planting. A few rows of red pine are present, but it is mostly open with some pockets of very dense cedar regeneration. Some red pine left along with cedar, fir, and some upland brush. High water table. |
| 82 | 6119 - Mixed Lowland Deciduous Forest | Sawtimber Medium | 4.3 | 77 | 1-50 | Stand of paper birch, red maple, and dead ash. A creek runs North/South through the stand. Lots of down dead ash and open areas. |
| 88 | 6119 - Mixed Lowland Deciduous Forest | Poletimber Medium | 23.7 | 89 | 1-50 | South portion of stand is surrounded by old ox bow. Lowland hardwood stand, split by AuSable River. Stand BA has dropped as ash has died out. Mix of lowland hardwoods. Stand is very wet. Some of the most heavily flooded areas contain few live trees. |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|----------------------------------|-------|--------------|--|
| 4 | 6230 - Cattail | 2.8 | No | Cattails and tag alder. Consider stand to be part of the adjacent flood plain forest (ERA). |
| 7 | 123 - Other High Intensity Urban | 4.2 | No | Closed recreation field office within stand. |
| 8 | 3102 - Grass | 15.0 | No | Power line R.O.W. |
| 18 | 122 - Road/Parking Lot | 5.5 | No | |
| 36 | 6225 - Bog | 3.2 | No | Bog with sparse lowland conifers. More trees along the East edge in transition to stand 37. |
| 39 | 500 - Water | 9.9 | No | Pine River |
| 40 | 6225 - Bog | 8.9 | No | Leatherleaf bog with a minor Q-type component on the higher areas. Open water. |
| 60 | 6239 - Mixed Emergent Wetland | 8.7 | No | Mixture of phragmites, grass, cat-tail and shrubs in transition from upland stands to Duell Lake. |
| 65 | 500 - Water | 18.3 | No | AuSable River |
| 71 | 500 - Water | 3.8 | No | Old river channel/ox bow. |
| 76 | 500 - Water | 5.5 | No | Duell Lake: very shallow. Water fowl potential |
| 84 | 622 - Lowland Shrub | 2.0 | No | Lowland shrubs along river, often flooded. |
| 85 | 622 - Lowland Shrub | 12.3 | No | Part of old ox bow. Contains lowland shrubs and appears to flood often. |
| 86 | 622 - Lowland Shrub | 12.7 | No | Lowland adjacent to AuSable River. Mixture of grasses, lowland shrubs, and low density trees. |
| 401 | 3102 - Grass | 4.7 | No | Previous issues w/ pvt individuals plowing the stand. A couple fruit trees present. Scattered low density WP, Cedar, and bfir. A historical agricultural area. |
| 402 | 3102 - Grass | 7.7 | No | Grass opening with some sparse jack pine, oak and aspen. Sandy ground. Power line runs through stand. |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|---------------------|-------|--------------|---|
| 403 | 3102 - Grass | 25.7 | No | Grassy open area with some areas of dry ground and some of low ground. A drainage runs through the South edge of the stand. Contains scattered low density trees including bur oak, balsam poplar cottonwood, and a couple small pockets of immature aspen. Much of the area in the stand has been trenched in the past. Many of the trenches contain pooled water. |
| 404 | 622 - Lowland Shrub | 7.3 | No | Powerline R.O.W. Low ground. Contains a creek flowing to AuSable River. |
| 405 | 3102 - Grass | 13.5 | No | Stand is mostly a grassy open area with areas of Autumn olive, mostly along north boundary. Stand contains a fishing wier, and is adjacent to the water treatment plant for Oscoda. Salmon inprint pen (broken into -2008 survey). Narrow strip in NW section of stand is similar to stand 57. |