



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71055

Entry Year 2017

Acreage: 2,070

County Roscommon

Management Area: AuSable Outwash

Revision Date: 2015-07-16

Stand Examiner: Jason Lewicki

Legal Description:

T23N, R01W Sections 5, 6 and 7

Identified Planning Goals:

Maintain current age and species diversity in a range of early and late successional ecosystems as determined by the AuSable Outwash Management Area plan.

Soil and topography:

Soils on the uplands consist of Croswell and AuGres sands while lowlands are dominated by AuSable and Tawas-Lupton mucks. The topography is very flat to gently rolling.

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

This compartment is made up of a large block of state ownership with scattered private ownership.

Unique Natural Features:

The south Branch of the AuSable River runs through the east side of this compartment.

Archeological, Historical, and Cultural Features:

Geels town site (circa 1929) is in this compartment.

Special Management Designations or Considerations:

The south Branch of the AuSable River runs through the east side of this compartment.

Watershed and Fisheries Considerations:

The south Branch of the AuSable River runs through the east side of this compartment.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum in other areas of the state. Most of the good gravel pits are associated with upland areas. The St. Helen/Carter and Nine Mile State-managed gravel pits are located two and five miles southwest, respectively, but gravel potential may be limited within the compartment due to the abundance of wetlands. St. Helen Field is located one mile to the north. The field has produced over 8.7 million bbls of oil and 14.7 Bcf gas from the Devonian Richfield Member. It is in secondary recovery operations currently. Sections 6 and 7 are currently leased for oil and gas exploration and development.

Vehicle Access:

Vehicle access is very good within this compartment due to M-76 and various county and state forest roads.

Survey Needs:

Recreational Facilities and Opportunities:

This compartment is popular with recreational uses by ORV's, snowmobiles, camping and various hunting pursuits. The Geels ORV Trailhead is located within the compartment NE of Old M-76 and Moore Road. The Geels ORV trail then crosses Old M-76 and follows Geels Road to the southwest.

Focus any retention pockets or clusters along the trail and near trailhead parking lot to discourage off trail activity. Ensure logging activity does not obliterate the designated trails by limiting the number of crossings. All stumps within 20 feet of the trail shall be Flush-Cut to ensure stumps do not result in unsafe conditions.

Assure 'logging ahead' warning signs are placed on the designated trails and main access roads during logging activity. Ensure designated trails signs, post and directional markers are protected. Remove logging activity warning signs when completed.

Fire Protection:

Additional Compartment Information:

The following reports from the Inventory are attached:

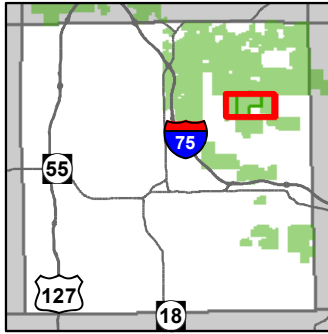
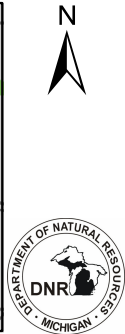
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

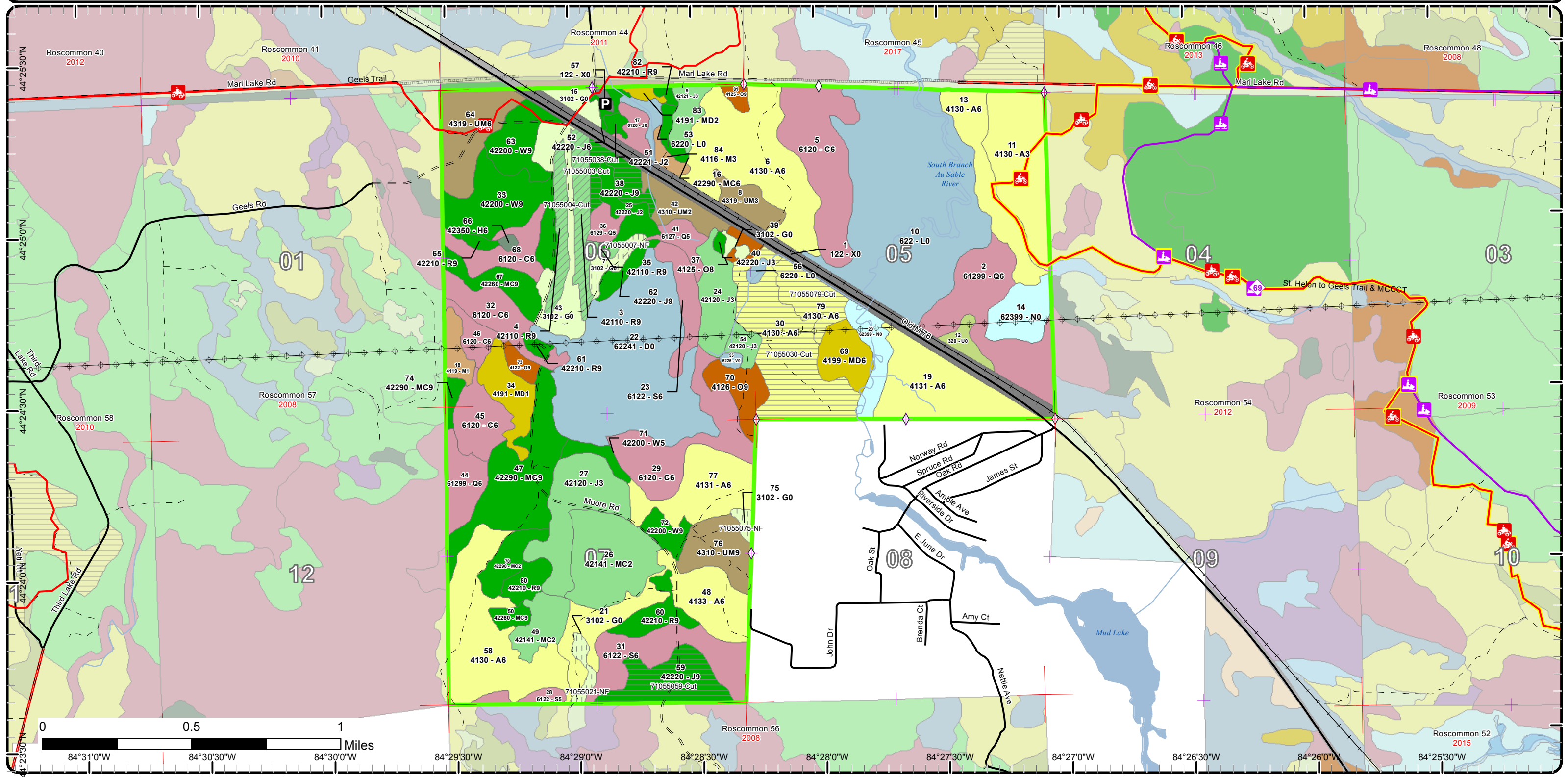
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments

Compartment: 55
 T23N 01W 5, 6, 7
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: AuSable Outwash
 YOE: 2017
 Acres: 2070 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 7/23/2015
 Map Phase: Pre-Review

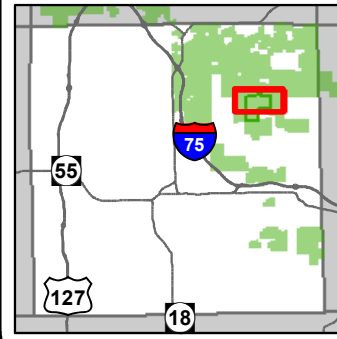


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- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
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- 🚲 MCCCT Trails
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- Lakes
- Pipeline
- Powerline
- Treatments
 - ▨ Clearcut (w/Reserves)
 - ▨ Opening Maintenance
 - ▨ Thinning (Crown, Low, Systematic)
- Forest Covertype
 - 411 - Northern Hardwood
 - 412 - Oak Types
 - 413 - Aspen
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 423 - Other Upland Conifers
 - 430 - Upland Mixed Fores
 - 612 - Lowland Coniferous Forest
- Non-Forest Covertype
 - 122 - Roads/Parking Lot
 - 310 - Herbaceous Openland
 - 320 - Upland Shrub
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland

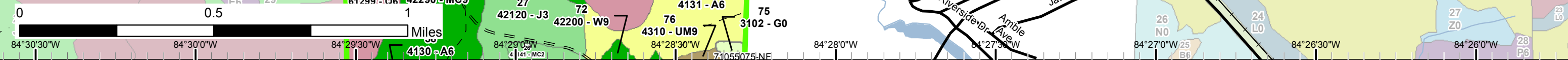
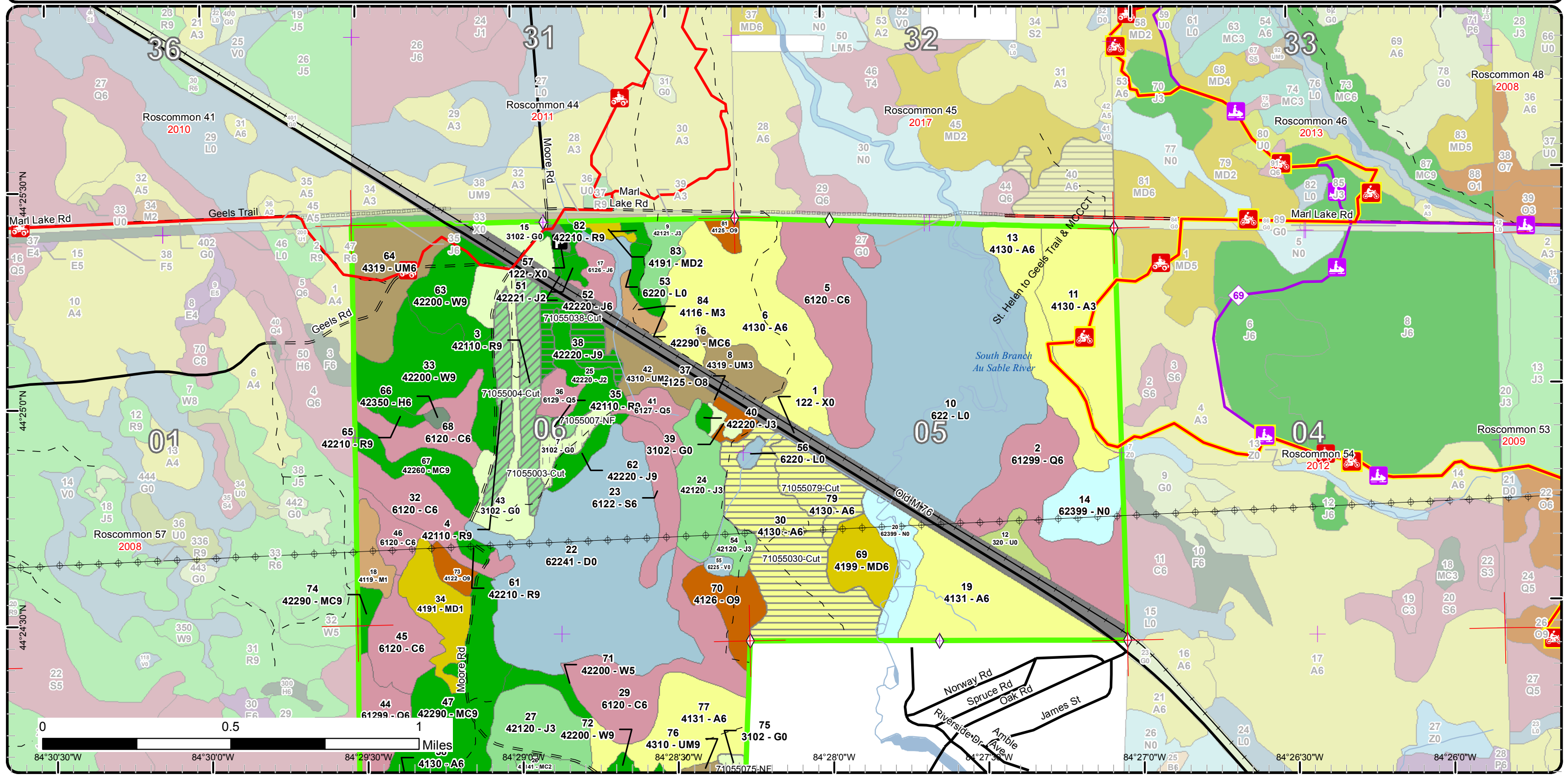


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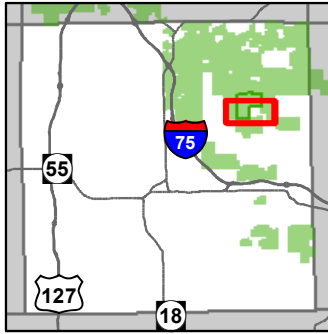


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|--|--|--|---|
| <ul style="list-style-type: none"> ✚ Remonumented Section Corners ◇ Field Grade GPS Corners — Miris Corners — Paved Roads — County Gravel Roads — Gravel Roads — Poor Dirt Roads — County Poor Dirt Roads ⋯ Closed Roads P Parking Lot 🛵 MCCCT Trails 🛵 ORV Trails | <ul style="list-style-type: none"> 🛷 Snowmobile Trails — Designated ATV — Designated Snowmobile Trails — Designated MCCCT Trails — Railroads — Rivers — Lakes — Pipeline ⚡ Powerline Treatments ▭ Clearcut (w/Reserves) ▭ Opening Maintenance ▨ Thinning (Crown, Low, Systematic) | <p>Forest Covertype</p> <ul style="list-style-type: none"> 411 - Northern Hardwood 412 - Oak Types 413 - Aspen 419 - Mixed Upland Deciduous 421 - Planted Pines 422 - Natural Pines 423 - Other Upland Conifers 430 - Upland Mixed Fores 612 - Lowland Coniferous Forest <p>Non-Forest Covertype</p> <ul style="list-style-type: none"> 122 - Roads/Parking Lot 310 - Herbaceous Openland 320 - Upland Shrub | <ul style="list-style-type: none"> 622 - Lowland Shrub 623 - Emergent Wetland |
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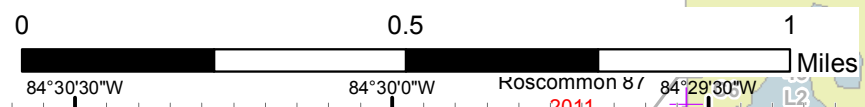
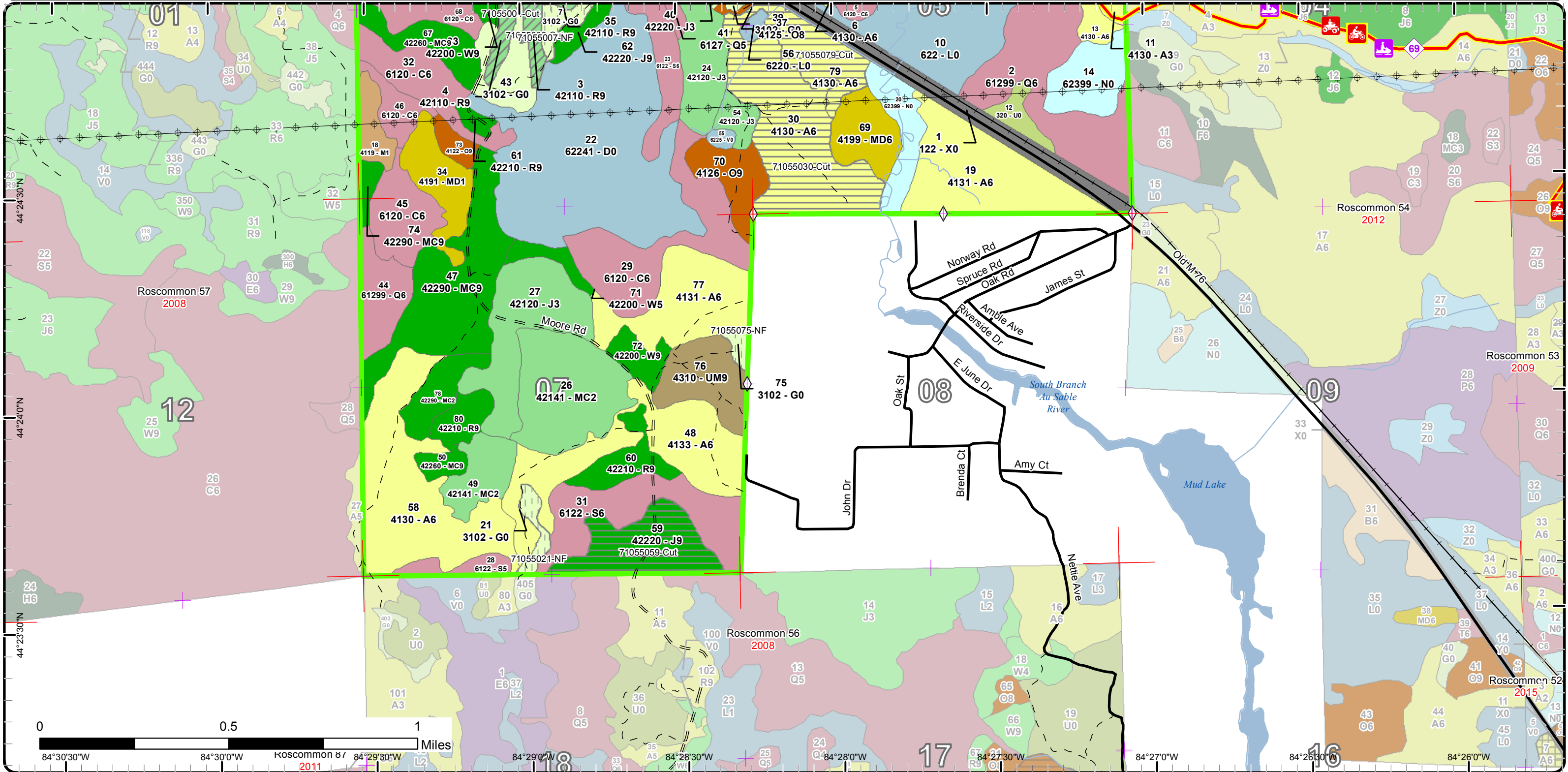


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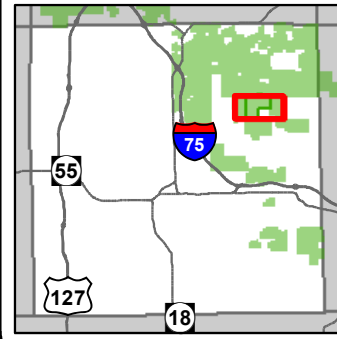


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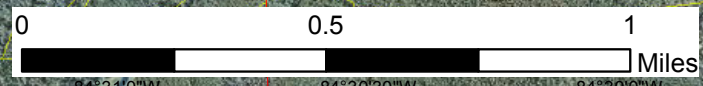
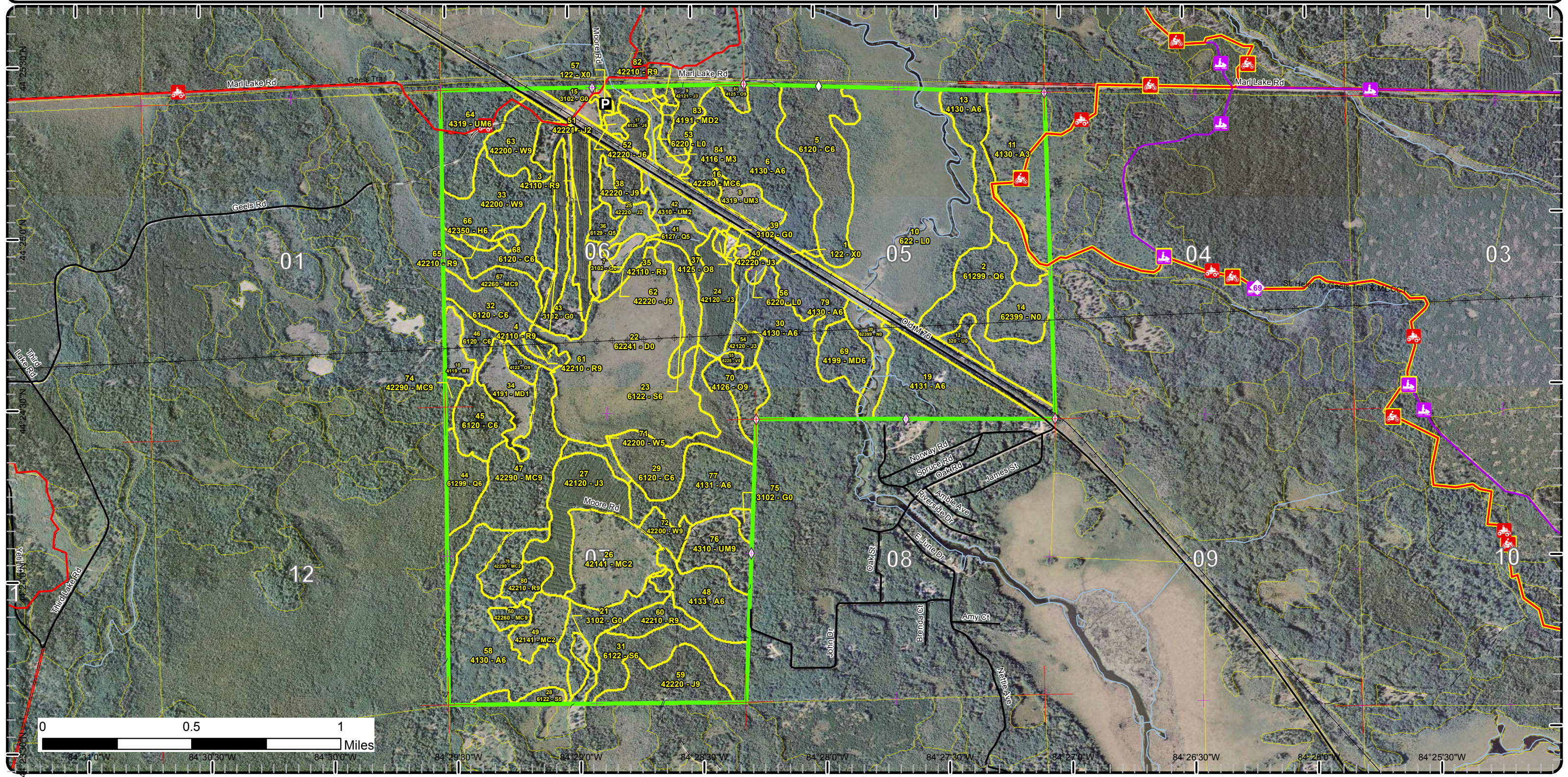
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Stand Boundary Map



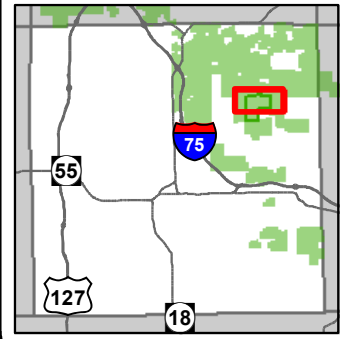
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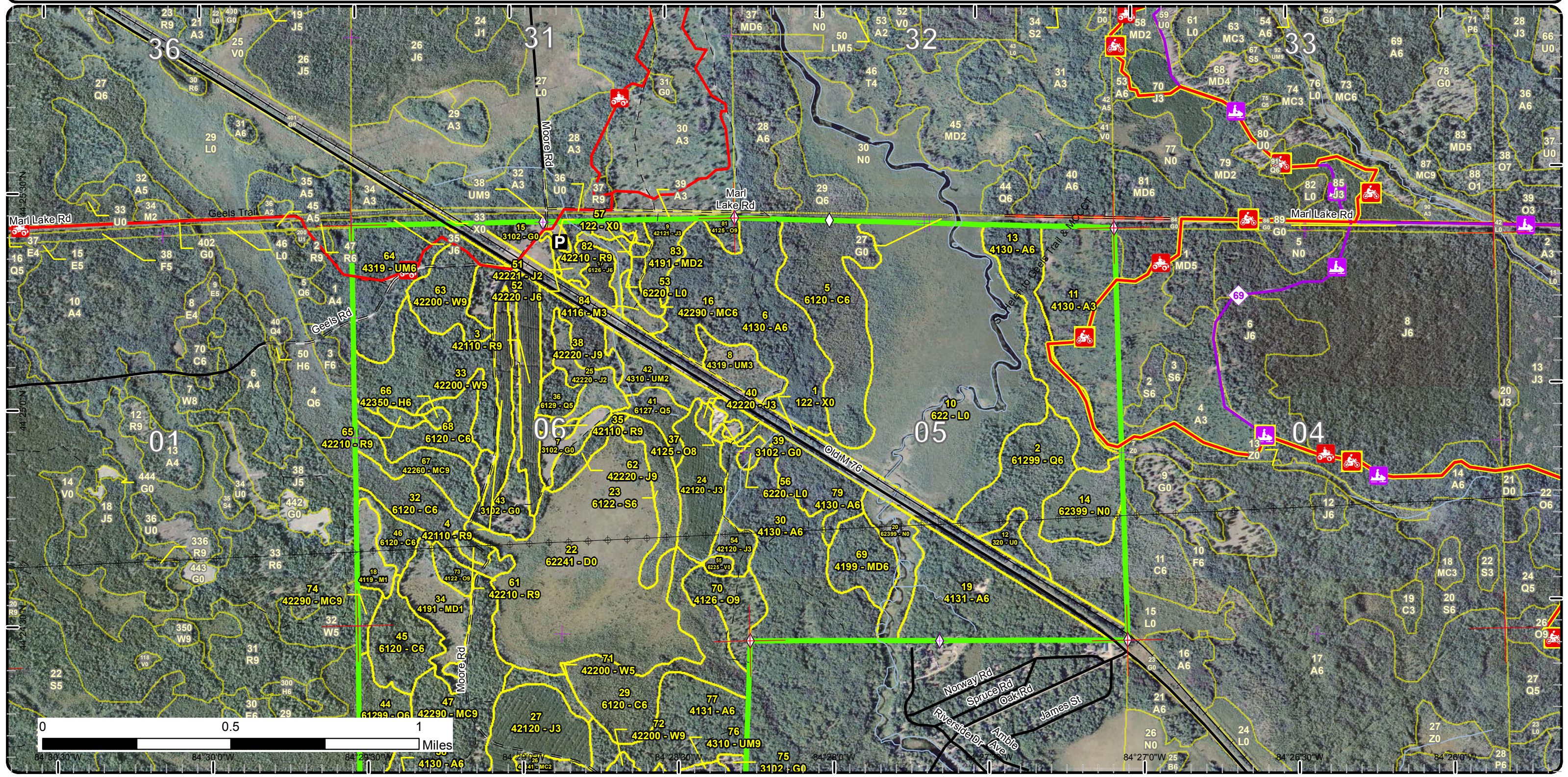
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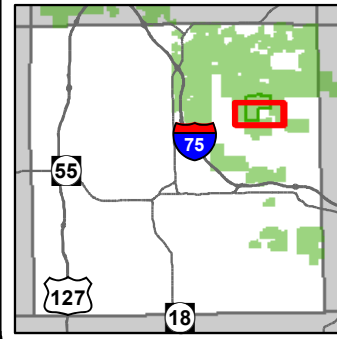


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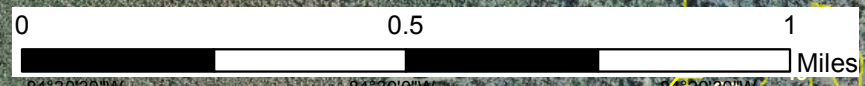
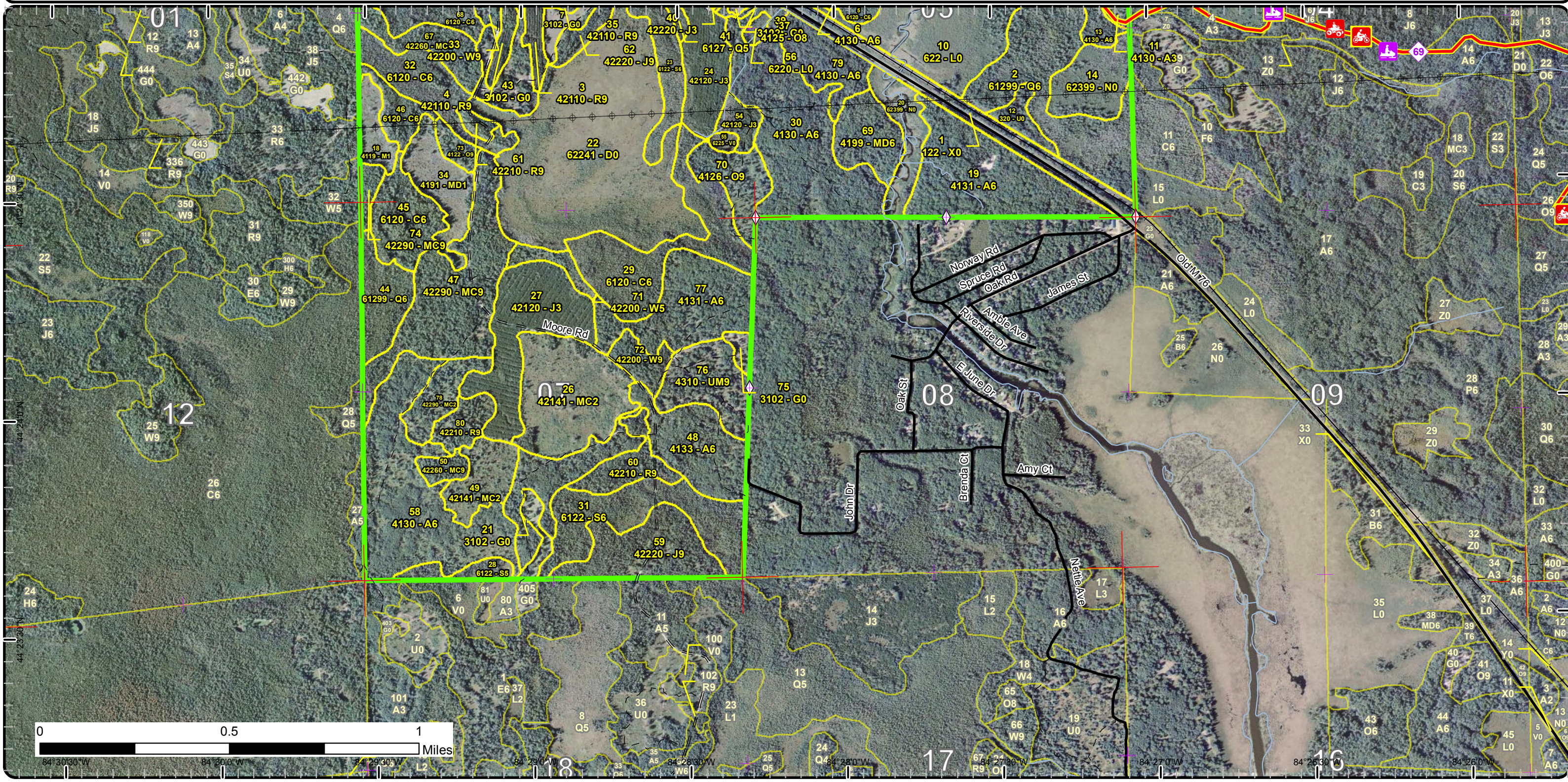


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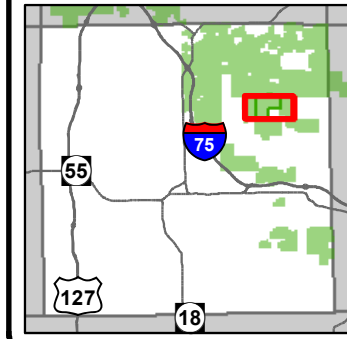
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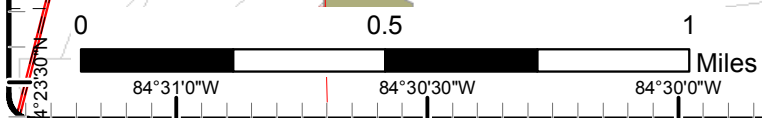
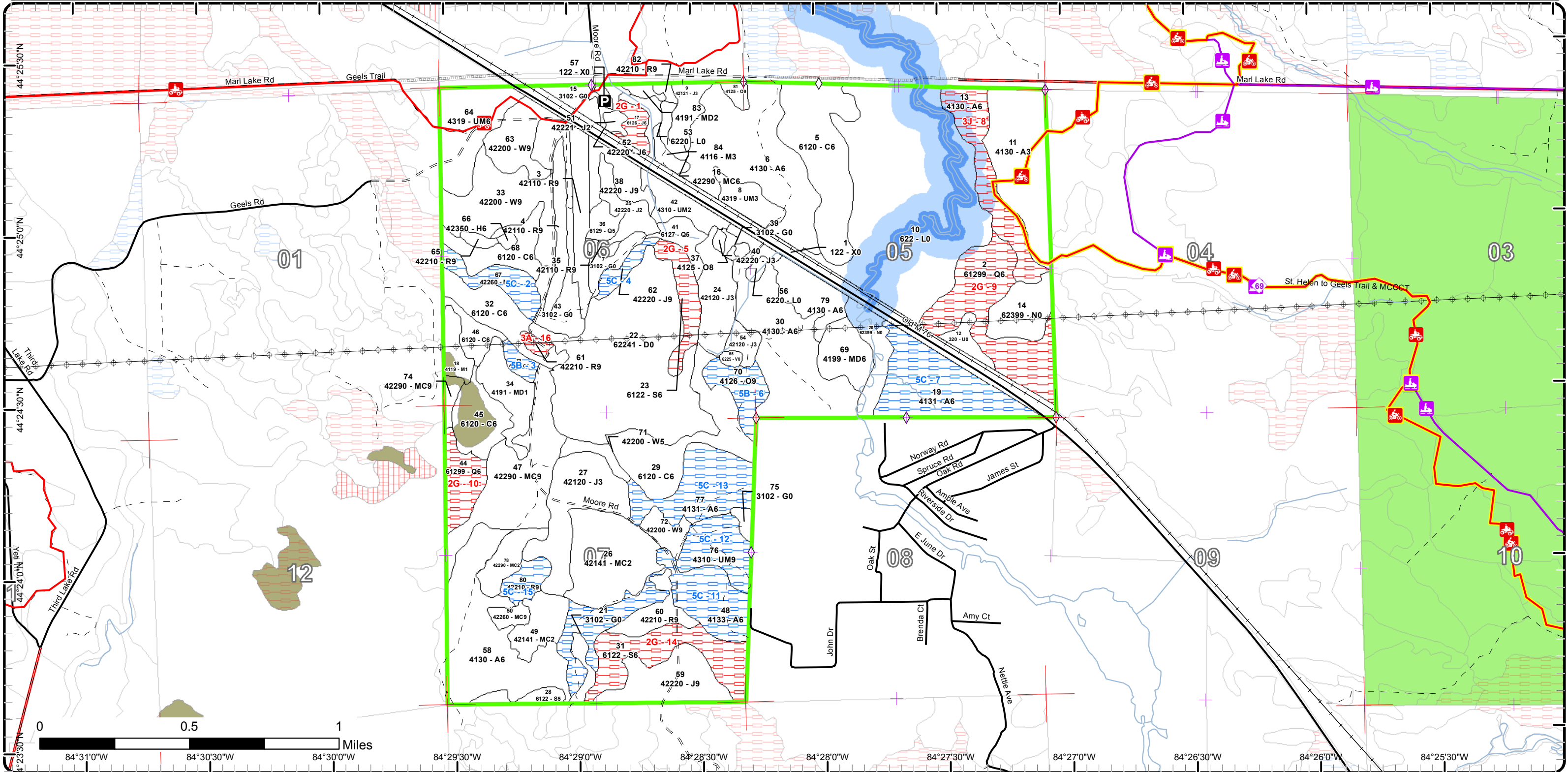
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Special Conservation Areas & Site Conditions Map

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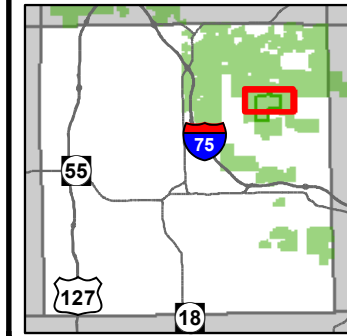


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- Available Factors W/ Constraints**
- 5B: Maintain for regeneration purposes
- Unavailable Factors**
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Potential old growth / biodiversity
- 3J: Water quality / BMPs (stream, river, or lake)
- Special Conservation Areas**
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Kirtland Warbler Habitat
- Cold Water Streams

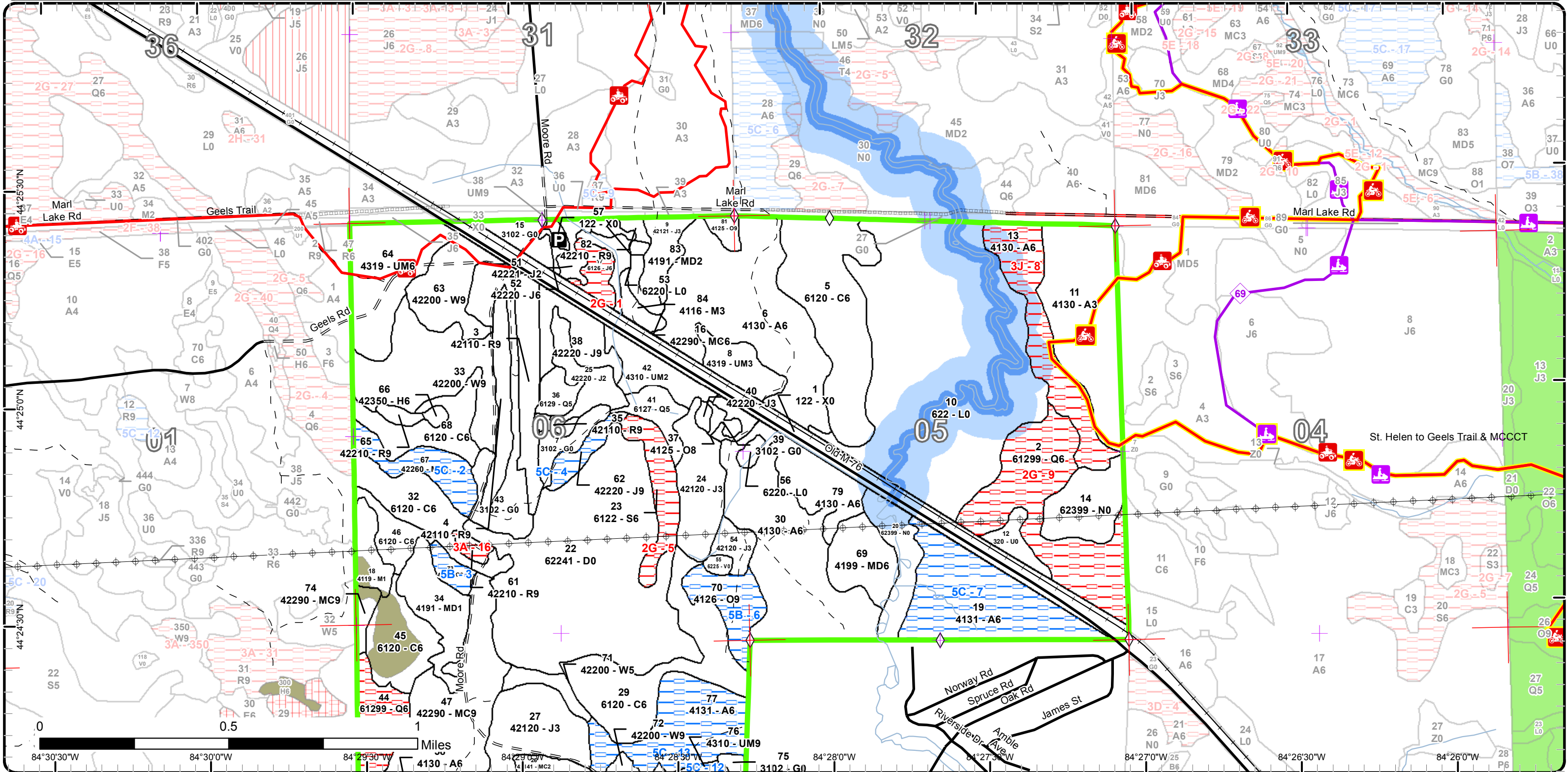


Special Conservation Areas & Site Conditions Map

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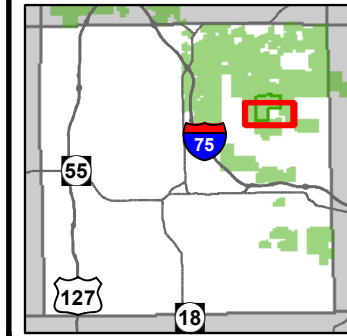


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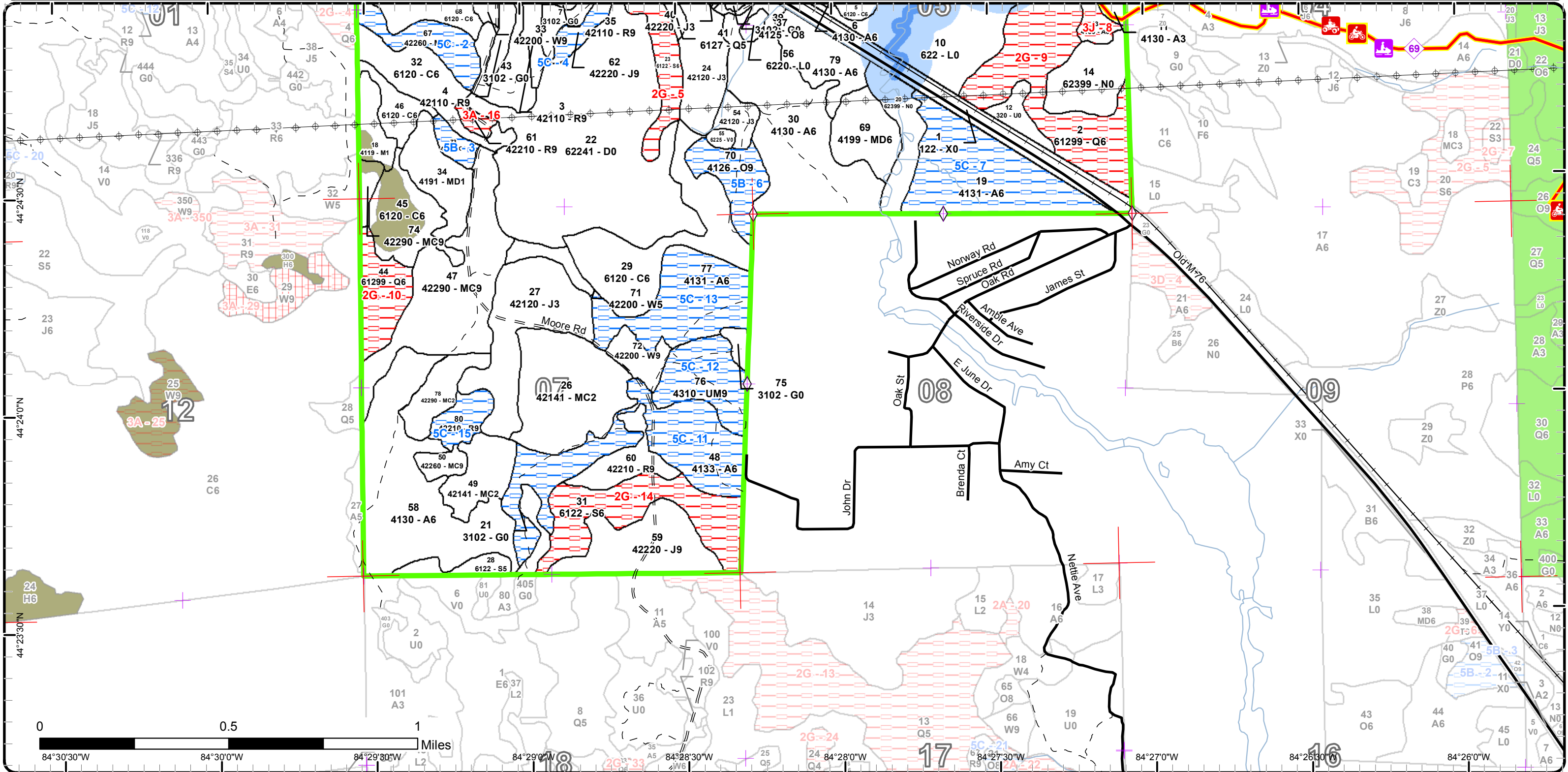


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Report 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment 55 Year of Entry 2017



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 | 58 | 0 | 162 | 0 | 0 | 251 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 508 |
| Bog | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 156 | 34 | 0 | 0 | 0 | 0 | 0 | 190 |
| Hemlock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Herbaceous Openland | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 |
| Jack Pine | 0 | 28 | 0 | 78 | 2 | 0 | 0 | 42 | 16 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 178 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 81 | 0 | 0 | 0 | 0 | 0 | 0 | 98 |
| Lowland Shrub | 193 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 193 |
| Lowland Spruce/Fir | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 69 |
| Marsh | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 |
| Mixed Upland Deciduous | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 |
| Natural Mixed Pines | 0 | 14 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 11 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 107 |
| Northern Hardwood | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| Oak | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 22 | 6 | 0 | 0 | 0 | 0 | 0 | 32 |
| Planted Mixed Pines | 0 | 68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 |
| Red Pine | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 15 | 0 | 5 | 0 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 71 |
| Treed Bog | 144 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 144 |
| Upland Mixed Forest | 0 | 15 | 14 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 93 |
| Upland Shrub | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Urban | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 |
| White Pine | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 |
| Total | 510 | 223 | 14 | 240 | 8 | 38 | 346 | 98 | 141 | 28 | 0 | 381 | 45 | 0 | 0 | 0 | 0 | 0 | 2072 |



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2017

Acres of Harvest

Compartment 55
Total Compartment Acres: 2,070

Commercial Harvest - 180
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 | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 94 |
| Jack Pine | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 |
| Red Pine | 0 | 0 | 0 | 0 | 0 | 35 | 0 | 0 | 0 | 35 |
| Total | 145 | 0 | 0 | 0 | 0 | 35 | 0 | 0 | 0 | 180 |

Proposed and Next Step Treatments by Method

| | Harvest | Site Prep | Planting | Seeding | Burning | Pesticide | Monitoring | Other | Non-Forest Mgt. | Total Acres |
|--------------|------------|-----------|----------|----------|----------|------------|------------|-----------|-----------------|-------------|
| Current | 180 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | | 197 |
| Next Step | 0 | 35 | 0 | 0 | 0 | 145 | 0 | 18 | | 197 |
| Total | 180 | 35 | 0 | 0 | 0 | 145 | 0 | 35 | | 394 |



| 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 |
|-----------------------|-------------------|-------|-----------------------------|-------------------|--------------|-------------|-------------------|---------------------|----------------------------|------------------|--------------------|
| 3 | 71055003-Cut | 20.3 | 42110 - Planted Red Pine | Sawtimber Well | 56 | 141- 170 | Harvest | Crown Thinning | 4211 - Planted Red Pine | Even-Aged | Proposal |

Habitat Cut: No**Site Condition:**

Prescription Remove approximately 1/3 the volume by thinning from below. Remove poor formed and suppressed red pine. Target 100 BA.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

| | | | | | | | | | | | |
|---|--------------|------|-----------------------------|-------------------|----|-------------|---------|----------------|----------------------------|-----------|----------|
| 4 | 71055004-Cut | 14.7 | 42110 - Planted Red Pine | Sawtimber Well | 56 | 141- 170 | Harvest | Crown Thinning | 4211 - Planted Red Pine | Even-Aged | Proposal |
|---|--------------|------|-----------------------------|-------------------|----|-------------|---------|----------------|----------------------------|-----------|----------|

Habitat Cut: No**Site Condition:**

Prescription Remove approximately 1/3 the volume. Thin from below by removing suppressed and poor formed red pine. Target 100 BA

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

| | | | | | | | | | | | |
|---|-------------|-----|--------------|------------|--|-----------------|--------------|------------------------------------|---------------------------------|--|----------|
| 7 | 71055007-NF | 8.5 | 3102 - Grass | Nonstocked | | Unspec ified | NonForestMgt | Herbaceous/Crop /Grass Planting | 310 - Herbaceous Openland | | Proposal |
|---|-------------|-----|--------------|------------|--|-----------------|--------------|------------------------------------|---------------------------------|--|----------|

Habitat Cut: Yes**Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Rosco St. Helen Field 12

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

| | | | | | | | | | | | |
|----|-------------|-----|--------------|------------|--|-----------------|--------------|------------------------------------|---------------------------------|--|----------|
| 21 | 71055021-NF | 5.8 | 3102 - Grass | Nonstocked | | Unspec ified | NonForestMgt | Herbaceous/Crop /Grass Planting | 310 - Herbaceous Openland | | Proposal |
|----|-------------|-----|--------------|------------|--|-----------------|--------------|------------------------------------|---------------------------------|--|----------|

Habitat Cut: Yes**Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Rosco St. Helen Field 14

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------------|-------------------|-------|--------------------|--------------------|--------------|-------------|-------------------|----------------------------|-------------------------|------------------|--------------------|
| 30 | 71055030-Cut | 72.8 | 4130 - Aspen | Poletimber Well | 50 | 81-110 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Proposal |

Habitat Cut: No**Site Condition:**

Prescription Final harvest and manage for aspen per the management guides of MA. Use islands of aspen, oak and pine for retention. Apply buffer along
Specs: river. Apply "drumming log" spec to help improve grouse habitat. Add hare spec 5.2.4.7 in addition to the brush piles.

Next Step
Treatments:

Acceptable Aspen regeneration to a level of fully stocked.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

| | | | | | | | | | | | |
|----|--------------|------|------------------------------|-------------------|----|--------|---------|----------------------------|-----------------------------|-----------|----------|
| 38 | 71055038-Cut | 16.1 | 42220 - Natural Jack Pine | Sawtimber Well | 75 | 81-110 | Harvest | Clearcut with Retention | 4222 - Natural Jack Pine | Even-Aged | Proposal |
|----|--------------|------|------------------------------|-------------------|----|--------|---------|----------------------------|-----------------------------|-----------|----------|

Habitat Cut: No**Site Condition:**

Prescription Final harvest and leave jack pine tops for natural jack pine seeding. Leave retention in the form of scattered white pine as well as the south edge
Specs: of the stand.

Next Step
Treatments:

Acceptable Natural jack pine regeneration from seed source as well as mixed hardwood regeneration is acceptable regeneration.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

| | | | | | | | | | | | |
|----|--------------|------|------------------------------|-------------------|----|-------|---------|----------------------------|-----------------------------|-----------|----------|
| 59 | 71055059-Cut | 34.7 | 42220 - Natural Jack Pine | Sawtimber Well | 62 | 51-80 | Harvest | Clearcut with Retention | 4212 - Planted Jack Pine | Even-Aged | Proposal |
|----|--------------|------|------------------------------|-------------------|----|-------|---------|----------------------------|-----------------------------|-----------|----------|

Habitat Cut: No**Site Condition:**

Prescription Clear cut stand and plant jack pine. Leave a island of jack pine for retention. Push harvest line on west side into swamp conifers as operability
Specs: limits. Leave piles of conifer tops for rabbitat. Leave all jack pine tops scattered evenly across the stand to allow for natural regeneration.
Harvest during snow free conditions to allow for scarification. Possibly apply anchor chains to improve scarification.

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

Acceptable A fully stocked jack pine plantation.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

| | | | | | | | | | | | |
|----|-------------|-----|--------------|------------|--|-----------------|--------------|------------------------------------|---------------------------------|--|----------|
| 75 | 71055075-NF | 3.4 | 3102 - Grass | Nonstocked | | Unspec ified | NonForestMgt | Herbaceous/Crop /Grass Planting | 310 - Herbaceous Openland | | Proposal |
|----|-------------|-----|--------------|------------|--|-----------------|--------------|------------------------------------|---------------------------------|--|----------|

Habitat Cut: Yes**Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Rosco St. Helen Field 13
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016



| S t a n d | Treatment Name | Acres | Stand CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status |
|-----------------------|-------------------|-------|--------------------|--------------------|--------------|-------------|-------------------|----------------------------|-------------------------|------------------|--------------------|
| 79 | 71055079-Cut | 21.2 | 4130 - Aspen | Poletimber Well | 50 | 81-110 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Proposal |

Habitat Cut: No**Site Condition:**

Prescription Clear cut stand and manage for aspen. Stand will have to be cut in dry summer or frozen winter. Use small islands of aspen as retention and
Specs: low wet areas closer to the river. Cut with adjacent stand to the south. Apply "drumming log"spec to help improve grouse habitat. Add hare spec 5.2.4.7 in addition to the brush piles.

Next Step
Treatments:

Acceptable Aspen regeneration to a level of fully stocked.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

**Total Treatment
 Acreage Proposed: 197.4**

Report 5 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 55
Year of Entry: 2017

Availability for Management

| Total Acres | Acres Available | Acres Avail | | Dominant Site Conditions | Dominant Site Conditions | | | | | |
|----------------|--------------------|----------------|---------------|--------------------------|--------------------------|------------|-----|----|----|----|
| | | With Condition | Not Available | | 5B | 5C | 2G | 3A | 3J | |
| 507 | 314 | 157 | 37 | Aspen | | 157 | | | | 37 |
| 2 | 2 | 0 | 0 | Bog | | | | | | |
| 190 | 190 | 0 | 0 | Cedar | | | | | | |
| 2 | 2 | 0 | 0 | Hemlock | | | | | | |
| 59 | 59 | 0 | 0 | Herbaceous Openland | | | | | | |
| 178 | 162 | 8 | 8 | Jack Pine | | 8 | 8 | | | |
| 98 | 17 | 0 | 81 | Lowland Conifers | | | 81 | | | |
| 193 | 193 | 0 | 0 | Lowland Shrub | | | | | | |
| 69 | 8 | 0 | 61 | Lowland Spruce/Fir | | | 61 | | | |
| 41 | 41 | 0 | 0 | Marsh | | | | | | |
| 45 | 45 | 0 | 0 | Mixed Upland Deciduous | | | | | | |
| 108 | 90 | 17 | 0 | Natural Mixed Pines | | 17 | | | | |
| 15 | 15 | 0 | 0 | Northern Hardwood | | | | | | |
| 32 | 8 | 24 | 0 | Oak | 24 | | | | | |
| 68 | 68 | 0 | 0 | Planted Mixed Pines | | | | | | |
| 71 | 57 | 10 | 3 | Red Pine | | 10 | | 3 | | |
| 144 | 144 | 0 | 0 | Treed Bog | | | | | | |
| 93 | 67 | 26 | 0 | Upland Mixed Forest | | 26 | | | | |
| 7 | 7 | 0 | 0 | Upland Shrub | | | | | | |
| 64 | 64 | 0 | 0 | Urban | | | | | | |
| 86 | 86 | 0 | 0 | White Pine | | | | | | |
| 2,070 | 1,638 | 242 | 190 | Total Forested Acres | 24 | 218 | 150 | 3 | | 37 |
| | 79% | 12% | 9% | 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) | 8 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| | | | | | | | |

Report 5 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 55
Year of Entry: 2017

| | | | | | | | |
|------------------|--------------------|---|----|-------------|-------------|-------------|-------------|
| 2 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 17 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 3 | Available | 5B: Maintain for regeneration purposes | 6 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 4 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 8 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 5 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 18 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 6 | Available | 5B: Maintain for regeneration purposes | 18 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 7 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 56 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Report 5 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 55
Year of Entry: 2017

| | | | | | | | |
|------------------|--------------------|---|----|-------------|-------------|-------------|-------------|
| 8 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 37 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 9 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 62 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 10 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 20 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 11 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 58 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 12 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 26 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 13 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 43 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| | | | | | | | |

Report 5 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 55
Year of Entry: 2017

| | | | | | | | |
|------------------|--------------------|---|----|-------------|-------------|-------------|-------------|
| 14 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 43 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 15 | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 10 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |
| 16 | Unavailable | 3A: Potential old growth / biodiversity | 3 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: | | | | | | | |

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 6 – 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 7 – 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: |
|-------|--|-----------------|-------|-----------|----------|---|
| 2 | 61299 - Mixed Swamp Conifer (OI) | Poletimber Well | 61.8 | 105 | 111-140 | |
| 3 | 42110 - Planted Red Pine | Sawtimber Well | 20.3 | 56 | 141-170 | red pine plantation that was third row thinned in 1998. Very little understory. |
| 4 | 42110 - Planted Red Pine | Sawtimber Well | 14.7 | 56 | 141-170 | Red pine plantation that was third row thinned in 1998. Very little understory. |
| 5 | 6120 - Lowland Cedar | Poletimber Well | 60.7 | 102 | 81-110 | Cedar stand with pockets of somewhat higher ground dominated by balsam and maple. |
| 6 | 4130 - Aspen | Poletimber Well | 84.9 | 26 | Immature | Mixed aspen stand with some scattered pine. |
| 8 | 4319 - Mixed Upland Forest | Sapling Well | 13.9 | 10 | Immature | Red pine plantation with heavy oak and cherry competition. |
| 9 | 42121 - Planted Jack Pine, Mixed Deciduous | Sapling Well | 11.2 | 4 | Immature | Cut in 01 and 02 then later planted to jack pine. |
| 11 | 4130 - Aspen | Sapling Well | 58.0 | 5 | Immature | |
| 13 | 4130 - Aspen | Poletimber Well | 36.8 | 65 | 81-110 | Stand was left as a buffer along the South Branch of the AuSable River and the clear cut to the east. South end has some balsam fir mixed in. Some wet pockets on SW side of stand. |
| 16 | 42290 - Natural Mixed Pine | Poletimber Well | 5.3 | 88 | 81-110 | Mixed pine stand. |
| 17 | 6126 - Lowland Jack Pine | Poletimber Well | 8.0 | 88 | 81-110 | High water table jack pine stand. Ground is completely covered with moss and areas of Labrador tea. |
| 18 | 4119 - Mixed Northern Hardwoods | Sapling Poor | 10.4 | 6 | Immature | Primarily red maple stump sprout stand. Some oak stump sprouts and a few jack pine seeding in. |
| 19 | 4131 - Aspen, Oak | Poletimber Well | 56.2 | 50 | 81-110 | Mixed aspen pole timber stand with scattered sawtimber oak and pine mixed in. Narrow swale on SW end of stand that drains into the South Branch. Small opening with ORV damage and old barrow pit with jack pine. Harvest next entry. Stand is healthy and in good shape. |
| 23 | 6122 - Black Spruce | Poletimber Well | 18.1 | 105 | 81-110 | Lowland jack pine and black spruce stand. Leather leaf ground cover. Possible old railroad runs N & S through stand. |
| 24 | 42120 - Planted Jack Pine | Sapling Well | 25.2 | 23 | Immature | |
| 25 | 42220 - Natural Jack Pine | Sapling Medium | 14.2 | 6 | Immature | Wet jack pine stand that was cut last entry. South end is higher and drier and has more oak and aspen. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|---|-------------------|-------|--------------|-------------|---|
| 26 | 42141 - Planted Mixed Pine, Mixed Deciduous | Sapling Medium | 50.0 | 7 | Immature | Red pine plantation with lots of natural jack pine seeding in. |
| 27 | 42120 - Planted Jack Pine | Sapling Well | 45.6 | 23 | Immature | Appears to be seeded in. Very high density. |
| 28 | 6122 - Black Spruce | Poletimber Medium | 7.8 | 75 | 51-80 | |
| 29 | 6120 - Lowland Cedar | Poletimber Well | 48.2 | 102 | 51-80 | |
| 30 | 4130 - Aspen | Poletimber Well | 72.8 | 50 | 81-110 | Aspen pole timber stand with some scattered oak and pine. Some pockets of pine mostly on West side. |
| 31 | 6122 - Black Spruce | Poletimber Well | 42.6 | 105 | 81-110 | |
| 32 | 6120 - Lowland Cedar | Poletimber Well | 25.5 | 102 | 51-80 | |
| 33 | 42200 - Natural White Pine | Sawtimber Well | 47.0 | 70 | 81-110 | Variable stand of white pine mixed with some quaking aspen and red pine. Red pine is found scattered and in small pockets. |
| 34 | 4191 - Mixed Upland Deciduous with Conifer | Sapling Poor | 22.1 | 6 | Immature | Jack pine plantation with hardwood competition. |
| 35 | 42110 - Planted Red Pine | Sawtimber Well | 2.5 | 85 | 81-110 | Red pine stand that had been thinned then RX burned last entry. Understory is thick red maple and black oak. |
| 36 | 6129 - Mixed Coniferous Lowland Forest | Poletimber Medium | 7.0 | 70 | 81-110 | |
| 37 | 4125 - Black, N. Pin Oak | Sawtimber Medium | 4.0 | 60 | 51-80 | |
| 38 | 42220 - Natural Jack Pine | Sawtimber Well | 16.1 | 75 | 81-110 | Older jack pine stand that is experiencing heavy mortality. NW area is high and dry but south 1/3 has a high water table. South part of stand has some spruce mixed in. |
| 40 | 42220 - Natural Jack Pine | Sapling Well | 1.6 | 36 | 1-50 | |
| 41 | 6127 - Lowland Pine | Poletimber Medium | 9.9 | 70 | 81-110 | |
| 42 | 4310 - Pine, Oak Mix | Sapling Medium | 15.3 | 6 | Immature | Stand was cut in 2009. Jack pine tops were left for natural regeneration. Appears to be working well. Some pockets of mature retention. |
| 44 | 61299 - Mixed Swamp Conifer (OI) | Poletimber Well | 19.7 | 105 | Unspecified | |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|--------------------|-------|--------------|-------------|--|
| 45 | 6120 - Lowland Cedar | Poletimber Well | 23.3 | 115 | 81-110 | Cedar stand with pockets of large white pine as well as pockets of spruce and tag alder. Variable stand. |
| 46 | 6120 - Lowland Cedar | Poletimber Well | 10.3 | 115 | 81-110 | |
| 47 | 42290 - Natural Mixed Pine | Sawtimber Well | 60.4 | 55 | 81-110 | Red and white pine stand with some oak and red maple mixed in. Some scattered aspen found mostly on south end. Some balsam fir along swamp edges. |
| 48 | 4133 - Aspen, Mixed Pine | Poletimber Well | 58.1 | 54 | Unspecified | |
| 49 | 42141 - Planted Mixed Pine, Mixed Deciduous | Sapling Medium | 17.5 | 6 | Immature | Planted red and jack pine stand. Scattered pole size jack and white pine scattered about. Heavy cherry brush component. North end is planted to red pine and south to jack pine. Red pine seems to be doing better than the jack pine. |
| 50 | 42260 - Natural Pine, Mixed Deciduous | Sawtimber Well | 5.5 | 85 | 81-110 | |
| 51 | 42221 - Natural Jack Pine, Mixed Deciduous | Sapling Medium | 3.0 | 6 | Immature | |
| 52 | 42220 - Natural Jack Pine | Poletimber Well | 3.6 | 80 | Unspecified | |
| 54 | 42120 - Planted Jack Pine | Sapling Well | 7.1 | 23 | Immature | Dense jack pine stand. Some stems in transition to pole class. Appears to be seeded. Bog on west side. |
| 58 | 4130 - Aspen | Poletimber Well | 76.9 | 25 | 1-50 | Mixed aspen stand just entering pole timber class. Some scattered fir and white pine. |
| 59 | 42220 - Natural Jack Pine | Sawtimber Well | 34.7 | 62 | 51-80 | Natural jack pine stand with some maple and fir. Black spruce is found along perimeter swamp edges. Some scattered low quality aspen and oak. There is a open area on west side of Moore Rd. |
| 60 | 42210 - Natural Red Pine | Sawtimber Well | 14.6 | 65 | Unspecified | Small stand of natural red pine. Manage with adjacent aspen stand. |
| 61 | 42210 - Natural Red Pine | Sawtimber Well | 3.2 | 110 | 171-200 | Small stand of natural red and white pine. |
| 62 | 42220 - Natural Jack Pine | Sawtimber Well | 7.5 | 63 | 81-110 | |
| 63 | 42200 - Natural White Pine | Sawtimber Well | 23.5 | 70 | 81-110 | |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|---------------------------------------|-------------------|-------|--------------|-------------|--|
| 64 | 4319 - Mixed Upland Forest | Poletimber Well | 38.1 | 45 | 51-80 | Stand of quaking aspen mixed with mainly balsam fir and white pine. Better aspen on north edge of stand. Low density aspen mixed with oak brush and weviled white pine along and south of Geels rd. |
| 65 | 42210 - Natural Red Pine | Sawtimber Well | 2.8 | 105 | 141-170 | |
| 66 | 42350 - Upland Hemlock | Poletimber Well | 1.7 | 110 | 111-140 | |
| 67 | 42260 - Natural Pine, Mixed Deciduous | Sawtimber Well | 17.4 | 105 | 81-110 | |
| 68 | 6120 - Lowland Cedar | Poletimber Well | 21.7 | 105 | 141-170 | |
| 69 | 4199 - Other Mixed Upland Deciduous | Poletimber Well | 20.1 | 75 | 81-110 | Stand of red maple and balsam fir. Quaking aspen pole timber scattered throughout. A few older rotten aspen found. Wet areas are dominated by balsam fir, cedar and dead ash. |
| 70 | 4126 - White, Black, N. Pin Oak | Sawtimber Well | 18.2 | 105 | 51-80 | Stand was shelterwood/seed tree cut last entry. Stand has pockets of aspen saps along with scattered oak and maple. |
| 71 | 42200 - Natural White Pine | Poletimber Medium | 6.4 | 30 | 1-50 | Low density open grown white pine stand. Some areas of jack pine. |
| 72 | 42200 - Natural White Pine | Sawtimber Well | 9.4 | 75 | 81-110 | |
| 73 | 4122 - Oak, Pine | Sawtimber Well | 5.5 | 110 | 51-80 | Stand was thinned/shelterwood cut last entry. |
| 74 | 42290 - Natural Mixed Pine | Sawtimber Well | 4.5 | 105 | 81-110 | |
| 76 | 4310 - Pine, Oak Mix | Sawtimber Well | 26.2 | 105 | Unspecified | Low density oak stand with some pine, maple and a few pockets of pole timber aspen. Open areas are dominated by oak, jack pine and cherry brush. Possibly remove overstory when adjacent aspen stand is harvested. |
| 77 | 4131 - Aspen, Oak | Poletimber Well | 42.6 | 54 | 81-110 | Stand of low quality bigtooth aspen mixed with a older age class of mixed oak sawtimber. Some scattered pine. |
| 78 | 42290 - Natural Mixed Pine | Sapling Medium | 14.5 | 7 | Immature | Stand was cut last entry with mature white pine and oak left scattered about. Stand naturally regenerated to jack pine well. |
| 79 | 4130 - Aspen | Poletimber Well | 21.2 | 50 | 81-110 | Quaking aspen stand along M-76. Stand gets wetter you move towards the river. Heavy balsam fir understory present. Some lowland pockets with tag alder scattered about closer to the river. |

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Roscommon Mgt. Unit

Report 8 – Forested Stands

Compartment: 55
Year of Entry: 2017

| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-----------|---|-------------------|-------|--------------|-------------|--|
| 80 | 42210 - Natural Red Pine | Sawtimber Well | 10.4 | 105 | 81-110 | Stand of red and white pine. Looks like some hardwoods have been removed in the past. East side has high water table with bog type ground cover. |
| 81 | 4125 - Black, N. Pin Oak | Sawtimber Well | 3.9 | 102 | 1-50 | Stand was shelter wood cut last entry. Good stump sprout and single stem regeneration present. |
| 82 | 42210 - Natural Red Pine | Sawtimber Well | 2.1 | 88 | Unspecified | |
| 83 | 4191 - Mixed Upland Deciduous with Conifer | Sapling Medium | 2.9 | 6 | Immature | |
| 84 | 4116 - Mixed N. Hardwood - Aspen | Sapling Well | 4.9 | 6 | Immature | |



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|------------------------|-------|--------------|-------------------|
| 1 | 122 - Road/Parking Lot | 61.9 | No | |
| 7 | 3102 - Grass | 8.5 | Yes | |
| 10 | 622 - Lowland Shrub | 185.1 | No | |
| 12 | 320 - Upland Shrub | 7.2 | No | |
| 14 | 62399 - Marsh (OI) | 22.5 | No | |
| 15 | 3102 - Grass | 8.4 | No | |
| 20 | 62399 - Marsh (OI) | 18.0 | No | |
| 21 | 3102 - Grass | 5.8 | Yes | |
| 22 | 62241 - Treed Bog (OI) | 144.0 | No | |
| 39 | 3102 - Grass | 2.7 | No | |
| 43 | 3102 - Grass | 29.7 | No | |
| 53 | 6220 - Alder/willow | 5.8 | No | |
| 55 | 6225 - Bog | 2.1 | No | |
| 56 | 6220 - Alder/willow | 2.5 | No | |
| 57 | 122 - Road/Parking Lot | 1.7 | No | |
| 75 | 3102 - Grass | 3.4 | No | |