



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71065

Entry Year 2022

Acreage: 2,104

County Roscommon

Management Area: AuSable Outwash

Revision Date: 2020-05-11

Stand Examiner: Jason Lewicki

Legal Description:

Sections 3-5, 8-10, & 15-16, T24N-R1W, Roscommon County

Identified Planning Goals:

Vegetation management in the Ausable Outwash Management Area will provide timber products; maintain or enhance wildlife habitat; protect areas of unique character including several state wildlife area floodings, the Roscommon Forest Fire Experiment Station, threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for the next ten years will focus on improving the age class structure of aspen, harvesting older jack pine and regeneration of red pine and oak to help balance age classes. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation opportunity and management of the State Wildlife Management Areas. Expected issues within the next decade are increased non-native exotic plants, especially Phragmites in the wetland areas, and increased recreational pressure.

Soil and topography:

Soils on the lowlands consist of Tawas-Lupton mucks. Soils on the uplands very greatly and consist of Otisco, Klacking, Klacking-Perecheney and Greycalm sands. The topography of the compartment is gently rolling with some smaller hills.

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

Ownership in and around the compartment is broken up with private property. Kirtland Community College has property on the east end of the compartment.

Unique Natural Features:

None known

Archeological, Historical, and Cultural Features:

There is a Archeological site in section 8.

Special Management Designations or Considerations:

The South Branch of the AuSable River flows through the compartment. Is is Designated as a "Natural River"

Watershed and Fisheries Considerations:

The South Branch of the AuSable River flows through the compartment. It provides fishing opportunities.

Wildlife Habitat Considerations:

The compartment provides habitat for deer, turkey, grouse, woodcock and bear. This compartment sees heavy pressure for hunting. Management considerations include treatments that will promote hard and soft mast production for wildlife, including retention of large crown mast producing trees when possible. Early successional species such as aspen should be managed to ensure young stands are always available for grouse and woodcock. To promote snowshoe hare and other small mammals, brush piles will be constructed in association with timber harvests along lowland edges. Brush pile specifications should follow recommendations provided by Wildlife Division. The swamp conifer complex along Asum and East Creeks in this compartment provide winter thermal cover for deer. Aspen stands will be managed to promote young forests for early successional wildlife species. Whenever possible, aspen harvests will include drumming logs to enhance breeding habitat for ruffed grouse. Currently there are five managed wildlife openings within the compartment which are managed with spring and fall plantings, mowing, and burning.

Mineral Resource and Development Concerns and/or Restrictions

Sections 3-5, 8-10, & 15-16, T24N-R1W, Roscommon County

No known potential exists for commercial metallic mineral production in this part of the state. The nearest active sand/gravel pit is greater than six miles away. There appears to be good potential for sand & gravel within the compartment

in upland areas. The St. Helen oil field is just south of the compartment. The field is in secondary recovery operations currently. There are old, legacy leases within the compartment that are held by production from distant wells. There are no wells in the compartment, and oil & gas potential in the compartment is considered low at this time. The state does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

Vehicle access throughout most of the compartment is very good. There are multiple paved and grave county roads as well as numerous State owned two tracks. There is a landlocked piece of the compartment which has no public access.

Survey Needs:

There is a possible survey needed for stand 80 in section 8.

Recreational Facilities and Opportunities:

There are no designated trails or recreation facilities within the compartment. Dispersed hunting, fishing, and other recreation activity does occur.

Fire Protection:

Low fire occurrence in this compartment. Wildland-urban does exist in the compartment but little high hazard fuels.

Additional Compartment Information:

The following reports from the Inventory are attached:

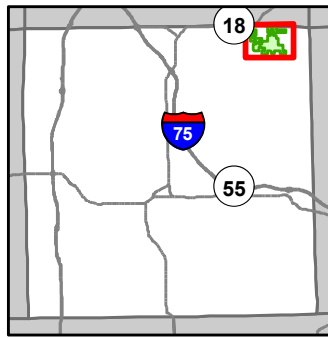
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

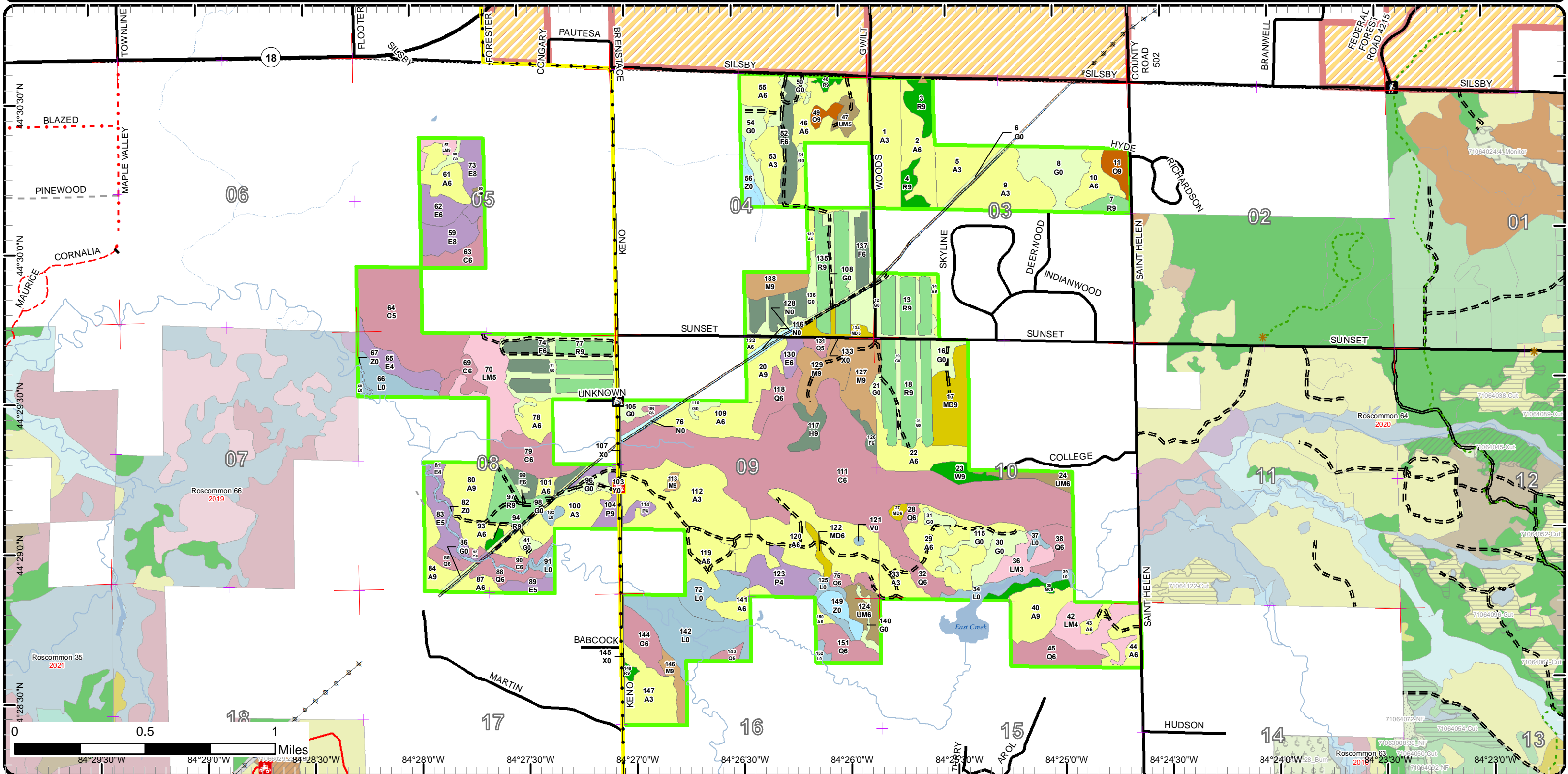
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

Cover Type & Treatments Map

Compartment: 65
 T24N, R01W, Sec. 03-05, 08-10
 15-16
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: AuSable Outwash
 YOE: 2022
 Acres: 2103.5 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 1/26/2021
 Map Phase: Post-Review



- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Private - Dirt / Gravel Road
- 🏍️ Motorcycle Trails (SOS License)
- 🚲 MCCCT Trails
- Designated Hiking Trails
- ORV License
- Designated ATV Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- ▲ Berms
- ✳️ Trailhead
- Intermittent Pond
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- ⚡ Powerline
- Compartment Boundary
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil

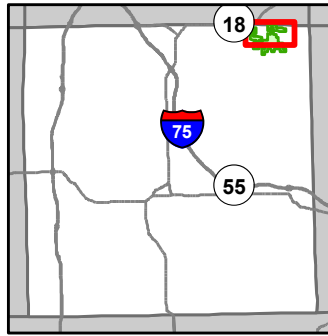


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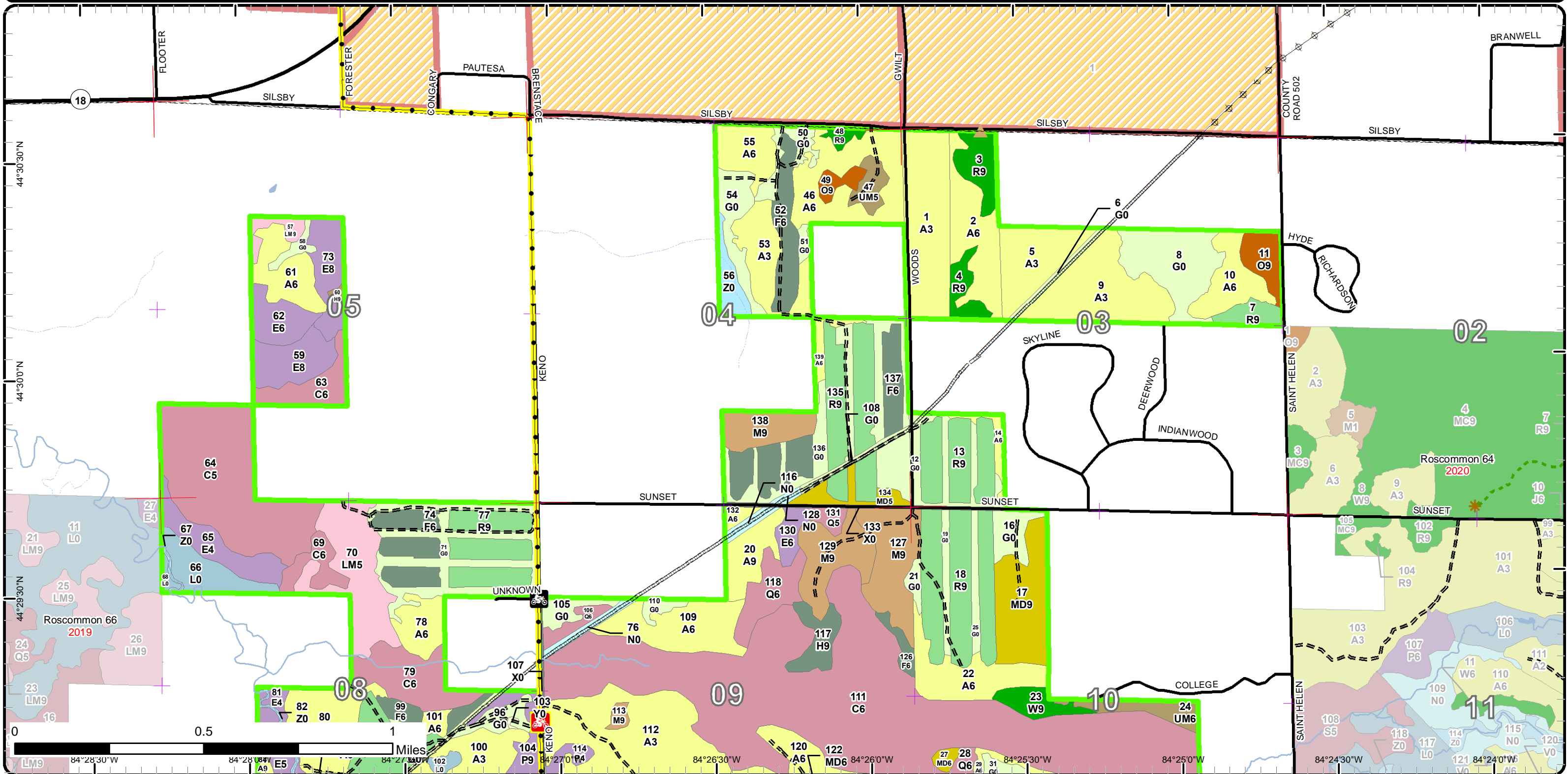
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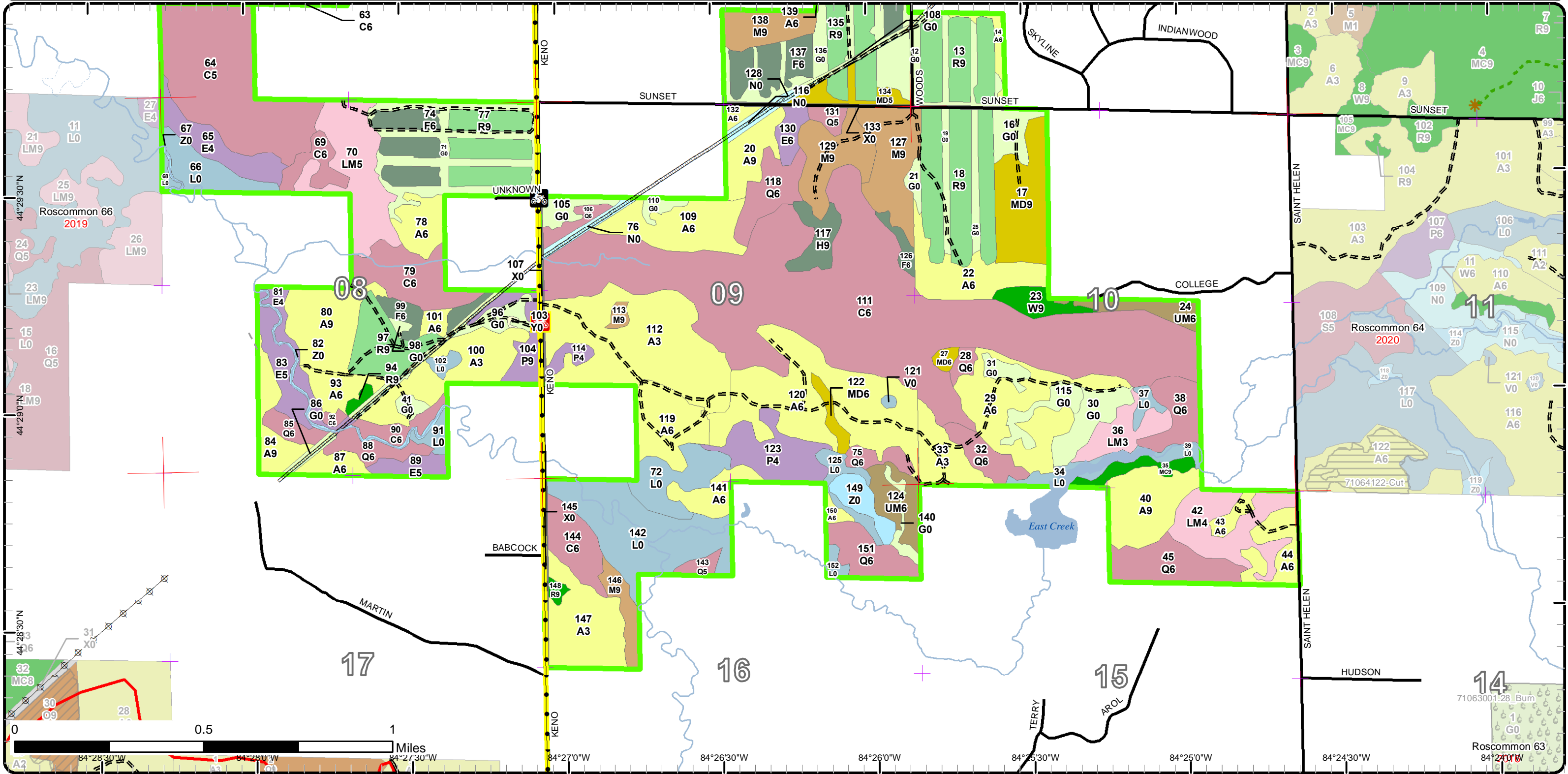
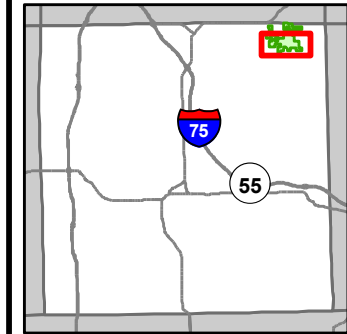


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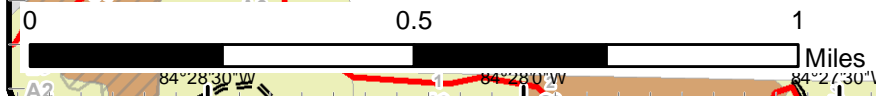


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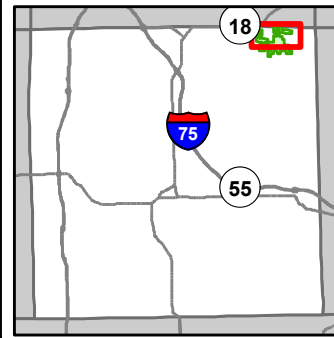
Roscommon 63
 84°24'0"W

Stand Boundary Map

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T24N, R01W, Sec. 03-05, 08-10
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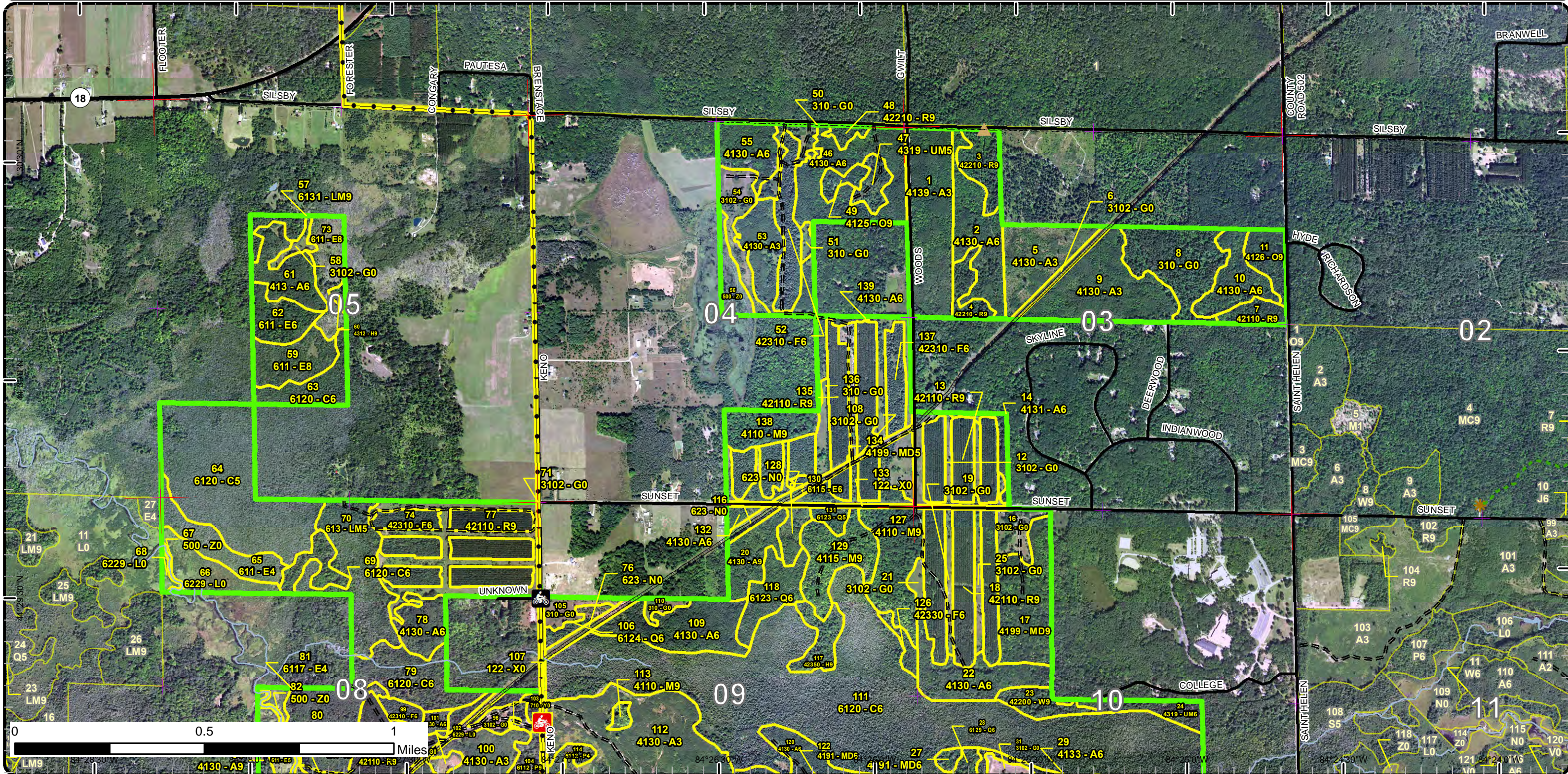
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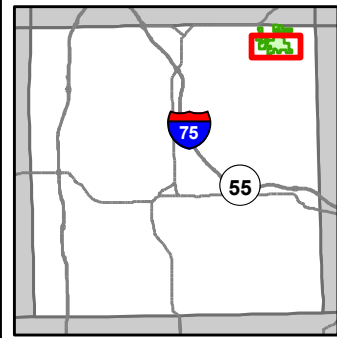
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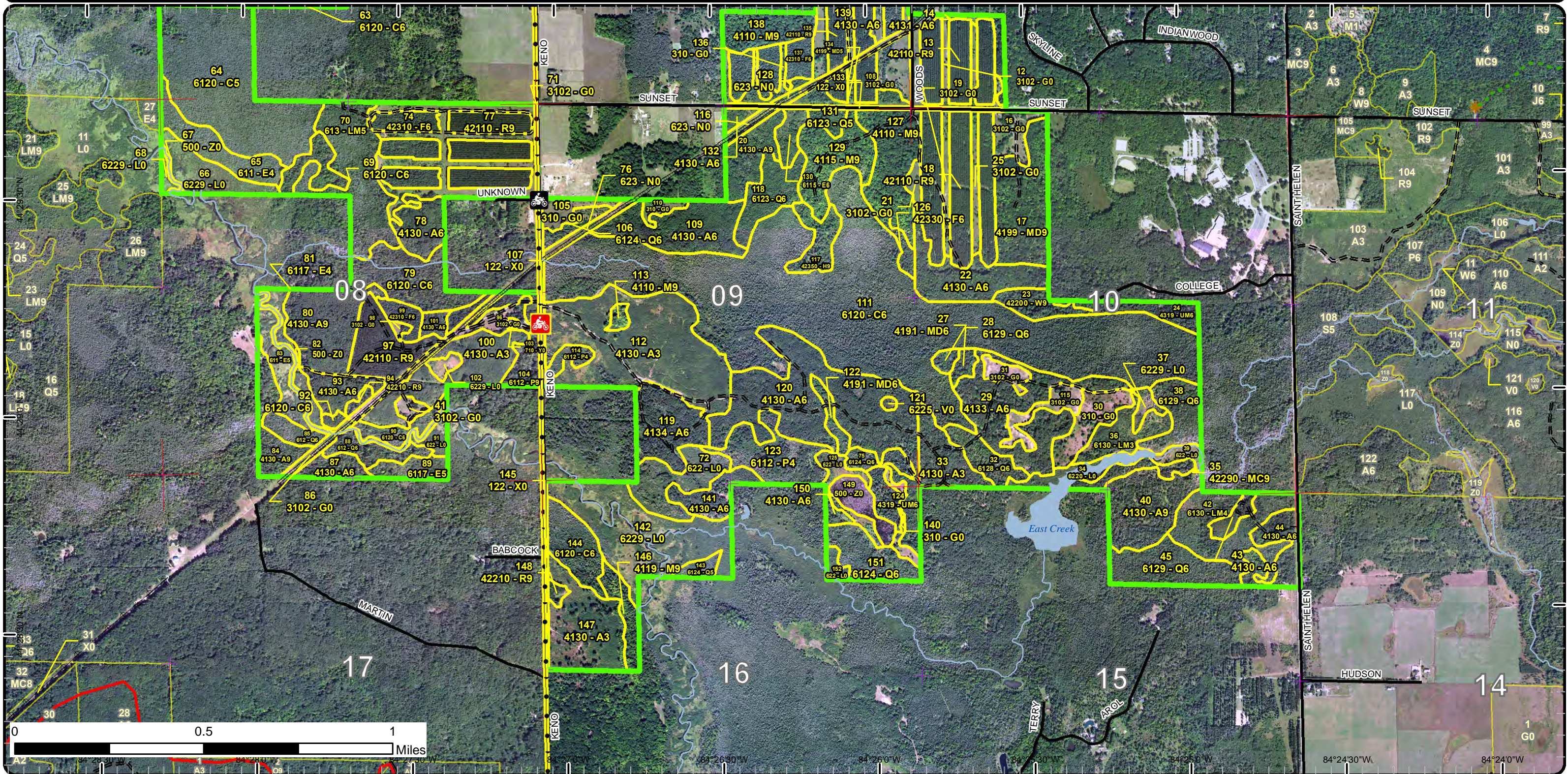


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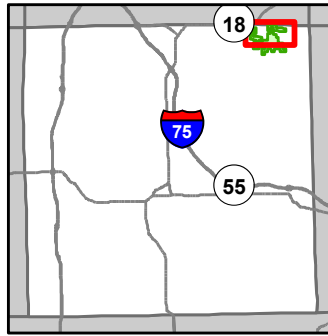


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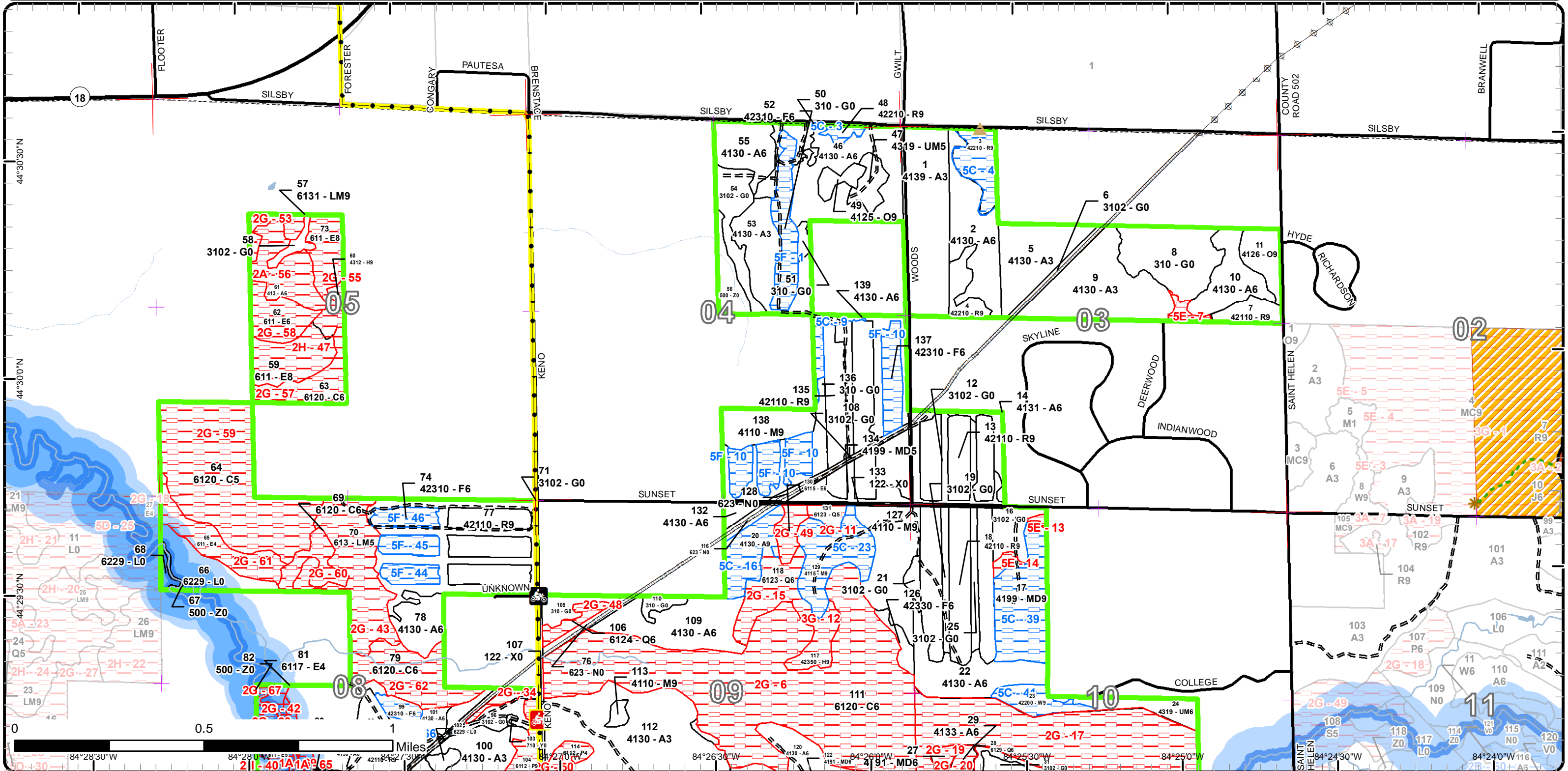
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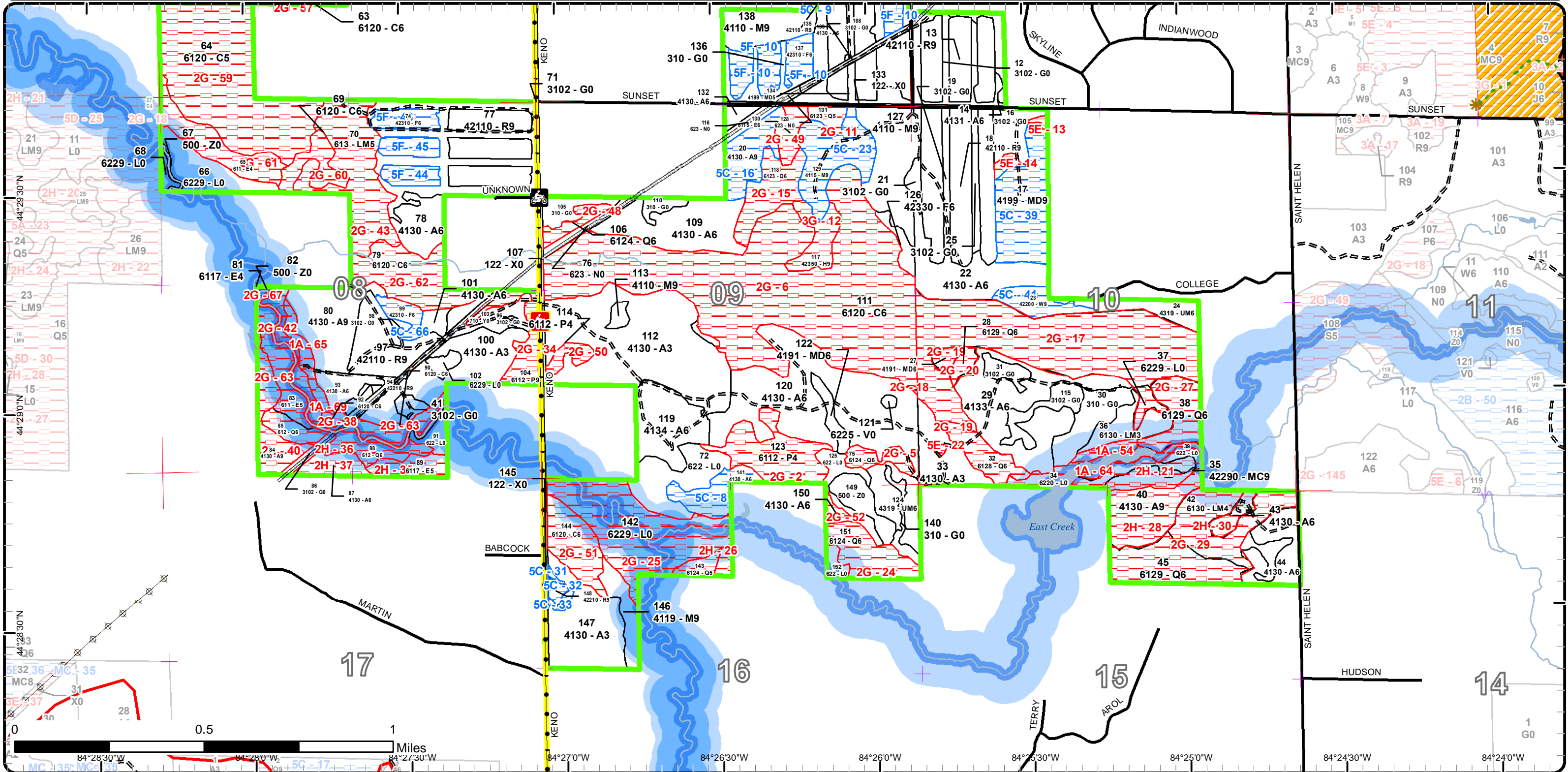
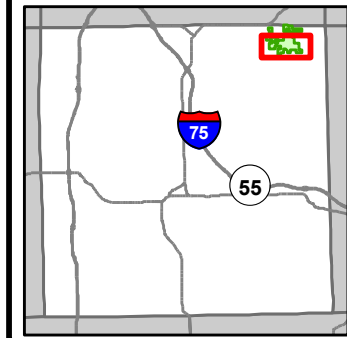
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- Available w/ Constraints
- Unavailable

- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1A: Federal/State/Local Law
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3G: Other Influence zones - See comments
- 5E: Long-Term Retention
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Natural Areas Legally Dedicated
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer

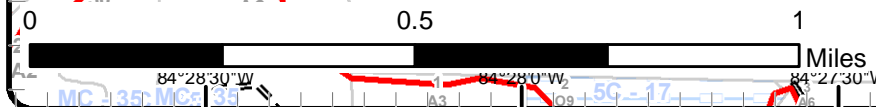


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- Cold Water Lakes
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Report 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment 65 Year of Entry 2022



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	110	67	98	89	103	129	22	0	24	23	0	0	0	0	0	0	0	665
Bog	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Cedar	0	0	0	0	0	0	0	0	0	6	0	127	246	0	0	0	0	0	379
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	1	10
Herbaceous Openland	206	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	205
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	24	0	11	0	0	0	0	0	0	0	0	0	35
Lowland Conifers	0	0	0	0	0	0	0	5	24	35	0	38	0	0	0	0	0	0	102
Lowland Deciduous	0	0	0	0	0	0	0	5	0	39	8	0	36	0	0	0	0	0	88
Lowland Mixed Forest	0	0	0	12	0	0	0	0	26	0	0	33	0	0	0	0	0	5	76
Lowland Shrub	109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109
Marsh	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Mixed Upland Deciduous	0	0	0	0	7	0	2	0	0	0	33	0	0	0	0	0	0	0	40
Natural Mixed Pines	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	46	2	20	0	0	0	0	0	68
Oak	0	0	0	0	0	0	0	0	0	0	4	0	0	9	0	0	0	0	13
Red Pine	0	0	0	0	0	0	134	0	0	18	12	0	0	0	0	0	0	0	164
Sand, Soil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upland Mixed Forest	0	0	0	0	6	0	9	0	0	12	0	0	0	0	0	0	0	0	27
Upland Spruce/Fir	0	0	0	0	4	0	38	24	0	0	0	0	0	0	0	0	0	0	66
Urban	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Water	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
White Pine	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	8
Total	357	110	67	110	106	103	336	62	61	134	126	208	311	9	0	0	0	6	2103



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2022

Acres of Harvest

Compartment 65
Total Compartment Acres: 2,104

Commercial Harvest - 144
 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	111	0	0	0	0	0	0	0	0	111
Oak	4	0	0	9	0	0	0	0	0	13
Red Pine	8	0	0	0	0	0	0	0	0	8
Upland Mixed Forest	12	0	0	0	0	0	0	0	0	12
Total	135	0	0	9	0	0	0	0	0	144

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Pruning	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	144	0	0	0	12	0	25	0	54	235
Next Step	0	0	0	0	12	0	144	0	54	210
Total	144	0	0	0	24	0	169	0	108	445



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	Habitat Cut
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Proposed Treatments:

4	71065004-Cut	6.8	42210 - Natural Red Pine	Sawtimber Well	88	81-110	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<u>Prescription</u> Clearcut stand with a 2" spec. Regenerate Aspen and maple. Apply drumming log spec to increase grouse habitat.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Aspen and mixed hardwoods at fully stocked levels.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Site Condition</u>											
<u>Proposed Start Date:</u> 10/1 /2021											
8	71065008-Monitor	25.1	310 - Herbaceous Openland	Nonstocked	0	Immature	Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Two-Aged	No
<u>Prescription</u> third year check											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> red pine 80% ftg.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Site Condition</u>											
<u>Proposed Start Date:</u> 10/1 /2021											
10	71065010-Cut	15.3	4130 - Aspen	Poletimber Well	55		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<u>Prescription</u> Clearcut stand with a 2" spec. Leave 1-3 scattered, large crowned white oaks per acre for mast.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Aspen and mixed hardwoods at fully stocked levels.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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11	71065011-Cut	9.2	4126 - White, Black, N. Pin Oak	Sawtimber Well	126	81-110	Harvest	Seed Tree	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
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Prescription Harvest stand leaving 1-3 large crowned white oak per acre. Leave more if acceptable mast/crown trees are present. Leave 1-3 scattered white pine where possible. Most are found on southern end. Possible survey needed.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of hardwood and pine at fully stocked levels. Some areas should regenerate to Aspen after harvest.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

22	71065022-Cut	22.2	4130 - Aspen	Poletimber Well	60	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut stand and manage for Aspen within the MA. Place retention along south swamp edge. Use brush pile and drumming log specs to increase grouse and snowshoe share habitat.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen at fully stocked levels.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

29	71065029-Cut	36.0	4133 - Aspen, Mixed Pine	Poletimber Well	51	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut stand and manage covertime for age class distribution and habitat within the MA. Use brush pile and drumming log spec. Use red pine stand or far east end of stand as retention. Protect food plot with appropriate specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen at fully stocked levels.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
30 71065030-Burn	11.9	310 - Herbaceous Openland	Nonstocked		Unspecified	Burn	Opening	310 - Herbaceous Openland		No
<u>Prescription</u> RX burn <u>Specs:</u> <u>Next Step</u> Burn, Opening <u>Treatments:</u> <u>Acceptable Regen:</u> <u>Other Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 7 /9 /2020										
31 71065031-NF	4.0	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Keno Field 16. <u>Specs:</u> <u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting <u>Treatments:</u> <u>Acceptable Regen:</u> <u>Other Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021										
49 71065049-Cut	4.0	4125 - Black, N. Pin Oak	Sawtimber Well	99	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
<u>Prescription</u> Clearcut stand and manage for Aspen and maple regeneration. Cut to a 2" spec. No retention due to size and health condition of the stand. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> Aspen and red maple at fully stocked levels. <u>Other Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
54 71065054.15_NF	13.1	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Mowing	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Keno Field 1.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2010</p>										
71 71065071-NF	30.5	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Openings Keno Fields 3 and 4. These fields are a subset of the larger G stand, located on the west and southwest sides of G stand.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
80 71065080-Cut	25.2	4130 - Aspen	Sawtimber Well	56	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut stand and manage for Aspen age class distribution within the MA. Use retention along the South Branch and follow Natural Rivers guidelines. Apply drumming log and brush pile specs. Check for archeological notes for this area.</p> <p><u>Specs:</u> Survey needed.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Aspen at fully stocked levels.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										



Standard

Standard	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	93 71065093-Cut	9.2	4130 - Aspen	Poletimber Well	52	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
	<p><u>Prescription</u> Clearcut and manage for Aspen age class distribution within the MA. Use retention along the South Branch and follow Natural Rivers guidelines. Apply drumming log and brush pile specs to increase habitat for hare and grouse. Check for archeological notes for this area.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen at fully stocked levels.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
	94 71065094-Cut	1.6	42210 - Natural Red Pine	Sawtimber Well	94	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
	<p><u>Prescription</u> Clearcut stand and manage for Aspen. Stand has enough Aspen scattered throughout that it should have no problem converting. No retention. Treat with adjacent Aspen stand. Check for archeological notes for this area.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen at fully stocked levels</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
	101 71065101-Cut	2.9	4130 - Aspen	Poletimber Well	55	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
	<p><u>Prescription</u> Clearcut stand to maintain age class and habitat diversity within the MA. No retention due to small size. Apply brush pile and drumming log spec to increase hare and grouse habitat.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen at fully stocked levels.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
	110 71065110.15_NF	2.9	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Mowing	310 - Herbaceous Openland		No
	<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Keno 2.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 12/9 /2019</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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124	71065124-Cut	11.8	4319 - Mixed Upland Forest	Poletimber Well	88	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut stand and manage for Aspen. Some areas of low ground. Use these areas for possible retention. Apply drumming log and brush pile spec. Possible survey needed on east side.

Next Step Monitoring, Natural Regen (Re-Inventory)

Acceptable Aspen at fully stocked levels.

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2021

140	71065140.13_NF	3.3	310 - Herbaceous Openland	Nonstocked	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Keno Field 5.

Next Step NonForestMgt, Herbaceous/Crop/Grass Planting

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 12/9 /2019

Total Treatment 235
Acreage Proposed:

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 65
Year of Entry: 2022

Availability for Management

Total Acres	Acres Available	Acres Avail With Condition		Acres Not Available	Dominant Site Conditions								
					5C	5F	1A	2A	2G	2H	3G	5E	
652	564	16	72		Aspen	16		6	16	3	46		0
1	1	0	0		Bog								
379	1	0	378		Cedar					378		0	
11	0	0	11		Hemlock					1		9	
196	194	0	2		Herbaceous Openland	0				0			2
35	0	0	35		Lowland Aspen/Balsam Poplar					35			
97	0	0	97		Lowland Conifers					86	11		
73	0	0	73		Lowland Deciduous					51	22		
77	13	0	64		Lowland Mixed Forest			3		61	0		
92	30	0	61		Lowland Shrub			10		49	2		
41	11	26	4		Mixed Upland Deciduous	26				2			2
6	0	0	6		Natural Mixed Pines						6		
68	48	20	0		Northern Hardwood	20				0			
13	13	0	0		Oak								
157	142	15	0		Red Pine	15							
0	0	0	0		Sand, Soil								
27	27	0	0		Upland Mixed Forest					0			
65	6	59	0		Upland Spruce/Fir	5	55						
12	12	0	0		Urban	0				0			
21	21	0	0		Water					0			
8	0	8	0		White Pine	8				0			
2,031	1,083	145	803		Total Forested Acres	90	55	18	16	666	88	9	5
	53%	7%	40%		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	Available	5F: Evaluated for Forest Health Considerations	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Checked during spruce budworm analys							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 65
Year of Entry: 2022

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20				
Comments:							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	162	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 65
Year of Entry: 2022

8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5F: Evaluated for Forest Health Considerations	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments: checked during spruce budworm analys							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3G: Other Influence zones - See comments	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Unique stand for the management unit. Large white pine and hemlock present.							
13	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 65
Year of Entry: 2022

14	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Delay until adjacent stand to the SW is ready to harvest. Access from the north is too wet.							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	85	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 65
Year of Entry: 2022

20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 65
Year of Entry: 2022

26	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	43	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 65
Year of Entry: 2022

31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 65
Year of Entry: 2022

36	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 65
Year of Entry: 2022

41	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
43	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
44	Available	5F: Evaluated for Forest Health Considerations	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: checked during spruce budworm analys							
45	Available	5F: Evaluated for Forest Health Considerations	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: checked during spruce budworm analys							
46	Available	5F: Evaluated for Forest Health Considerations	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: checked during spruce budworm analy							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 65
Year of Entry: 2022

47	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Adjacent top headwaters of Ausom Creek.							
49	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
50	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
51	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 65
Year of Entry: 2022

52	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
53	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
Comments:							
54	Unavailable	1A: Federal/State/Local Law	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Natural rivers setback.							
55	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
56	Unavailable	2A: Adjacent landowner denied access	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
57	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 65
Year of Entry: 2022

58	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
Comments:							
59	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	67	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
60	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
61	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
62	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 65
Year of Entry: 2022

63	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
64	Unavailable	1A: Federal/State/Local Law	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Nat River Tributary							
65	Unavailable	1A: Federal/State/Local Law	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Natural Rivers setback							
66	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
67	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
69	Unavailable	1A: Federal/State/Local Law	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Natural Rivers setback.							

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
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
1	4139 - Aspen, Mixed Deciduous	Sapling Well	38.8	26	Immature	N/A	Mixed Aspen with oak and maple . Transitioning to pole timber																																											
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3	42210 - Natural Red Pine	Sawtimber Well	11.0	88	51-80	N/A	Older red pine stand that was species thinned in 1994. Understory of maple oak and aspen just entering pole timber size. Hold for ten more years before harvesting red pine. Pine appears healthy.																																											
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5	4130 - Aspen	Sapling Well	22.1	16	Immature	N/A	Some scattered red pine and oak left as super canopy.																																											
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7	42110 - Planted Red Pine	Sawtimber Well	6.1	97	111-140	N/A	Old notes indicate that this stand is from plantation origin. Stand appears natural at first glance. Stand has maple, white pine and witch hazel in understory.																																															
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8	310 - Herbaceous Openland	Nonstocked	27.6	0	Immature	4211 - Planted Red Pine	Mature red pine stand harvested winter 2016. Stand was trenched in Fall 2017 and site prep sprayed in 2018. Planted in 2019. First year regeneration check found the pines doing fairly well. 25% mortality. Trenches are not good, still lot of slash and some woody competition.																																															
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11	4126 - White, Black, N. Pin Oak	Sawtimber Well	9.2	126	81-110	N/A	Primarily a mixed oak stand with some pine on southern end. Areas dominated by white oak. Some scattered Aspen. White oak was cored at 125 years old.																																															
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14	4131 - Aspen, Oak	Poletimber Well	4.3	58	51-80	N/A	Small stand along private property. Mix of Aspen and red oak pole timber with scattered, large, old oak. Scattered pine throughout.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		20	Pole/Log	9		Red Oak		Low	5 - 10 feet	Sapling
Bigtooth Aspen		80	Pole/Log	8	58	White Pine		Low	Variable	Sapling
16	3102 - Grass	Nonstocked	8.2		Unspecified	No				
17	4199 - Other Mixed Upland Deciduous	Sawtimber Well	28.5	96	81-110	N/A	Stand of large high quality red oak mixed with sugar maple. Some scattered beech, basswood and scattered pockets of hemlock. Stand was thinned in 1997 and 2017. Beech beginning to show signs of BBD.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		30	Log/Pole	10		White Pine		Low	10 - 20 feet	Sapling
Red Maple		5	Log/Pole	10		Ironwood		Medium	10 - 20 feet	Sapling
Basswood		2	Log	12		Beech		Low	Variable	Sapling
Red Oak		51	Log	14	96					
White Oak		5	Log/Pole	12						
Hemlock		5	Log	12						
Beech		2	Log	14						
18	42110 - Planted Red Pine	Sawtimber Well	39.7	56	111-140	N/A		1965 red pine plantations that were 3rd row thinned in 2008. BA ranges from 150-220.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine		100	Log/Pole	10	56	Sugar Maple	Medium		5 - 10 feet	Sapling
						Black Cherry	Low		5 - 10 feet	Sapling
						Beech	Low		5 - 10 feet	Sapling
						Red Maple	Low	5 - 10 feet	Sapling	
19	3102 - Grass	Nonstocked	4.5		Unspecified	No				
20	4130 - Aspen	Sawtimber Well	12.8	52	81-110	N/A	Quaking Aspen on high water table. Stand is mixed with some balsam fir, balsam poplar and red maple. Stand was split from Aspen to the south. This stand appears older with bigger diameters. Areas of low ground and stand water. Operations would be limited to dry or frozen periods.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		80	Log/Pole	10	52	Balsam Fir		High	Variable	Sapling
Balsam Poplar		10	Pole/Log	8		Green Ash		Medium	5 - 10 feet	Sapling
Balsam Fir		5	Pole	6						
Red Maple		5	Pole/Log	8						
21	3102 - Grass	Nonstocked	2.5		Unspecified	No				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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22	4130 - Aspen	Poletimber Well	22.2	60	111-140	N/A	mixed aspen stand with balsam fir and red maple. A few scattered oak.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Pole/Log	8		Balsam Fir	
Paper Birch		2	Pole	6		High	
Quaking Aspen		33	Pole/Log	8		Variable	
Bigtooth Aspen		40	Pole/Log	8	60	Sapling	
Balsam Fir		6	Pole	5			
White Pine		5	Pole	6			
White Oak		2	Log	12			
Black/Red (Hybrid) Oak		2	Log	12			

23	42200 - Natural White Pine	Sawtimber Well	7.9	108	141-170	N/A	Small stand of large diameter white pine.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Pole/Log	8		Balsam Fir	
Paper Birch		2	Pole/Log	8		High	
Balsam Fir		5	Pole	6		Variable	
White Pine		83	XLog/Log	20	108	Sapling	
						White Pine	
						Medium	
						Variable	
						Sapling	

24	4319 - Mixed Upland Forest	Poletimber Well	9.0	50	81-110	N/A	Thinn strip of aspen and white pine between swamp and private property.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		15	Pole	5		Balsam Fir	
Quaking Aspen		40	Pole	6	50	High	
Black/Red (Hybrid) Oak		2	Log/Pole	10		Variable	
White Pine		25	Pole/Log	8		Sapling	
Jack Pine		3	Pole/Log	8		White Pine	
Balsam Fir		15	Pole	6		Low	
						5 - 10 feet	
						Sapling	
						Pin Cherry	
						Low	
						5 - 10 feet	
						Sapling	

25	3102 - Grass	Nonstocked	4.7		Unspecified	No	
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27	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	2.1	52	81-110	N/A	Small stand of aspen/maple/fir higher ground surrounded by swamp.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		45	Log/Pole	10	52	Red Maple	
Quaking Aspen		25	Pole/Log	8		Low	
Balsam Fir		20	Pole	6		Variable	
White Pine		10	Pole	6		Sapling	
						Pin Cherry	
						Low	
						5 - 10 feet	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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28 6129 - Mixed Coniferous Lowland Forest Poletimber Well 2.8 83 81-110 N/A Small creek runs through stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	6	
Balsam Fir	20	Pole	6	
Northern White Cedar	40	Pole/Log	8	83
Hemlock	25	Log/Pole	10	
Paper Birch	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	Sapling
Tag Alder	Low	5 - 10 feet	Tall Shrub

29 4133 - Aspen, Mixed Pine Poletimber Well 36.0 51 111-140 N/A Pole timber quaking aspen stand mixed with heavy balsam fir. Some scattered red and white pine. Small area of almost solid red pine along south west side.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole/Log	8	
Quaking Aspen	45	Pole/Log	8	51
Bigtooth Aspen	5	Pole/Log	8	
Balsam Fir	15	Pole	6	
White Pine	10	Pole/Log	8	
Red Pine	10	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Balsam Fir	High	Variable	Sapling
Pin Cherry	Low	5 - 10 feet	Sapling

30 310 - Herbaceous Openland Nonstocked 11.9 Unspecified Managed Opening Burn, mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Keno Field 18.

31 3102 - Grass Nonstocked 4.0 Managed Opening

32 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 9.3 73 81-110 N/A Mixed lowland conifer stand with red maple and birch. Small creek flows through stand towards east creek.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Pole/Log	8	73
Paper Birch	10	Pole/Log	8	
Balsam Fir	30	Pole	6	
Northern White Cedar	20	Pole/Log	8	
White Pine	5	Log	14	
Black Spruce	5	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Tag Alder	High	5 - 10 feet	Tall Shrub

33 4130 - Aspen Sapling Well 14.4 3 Immature N/A Cut Spring-Fall 2018. 1/2 acre island was left in the center for retention. Aspen stand mixed with white pine and fir saplings.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	82	Sapling	1	3
Balsam Fir	7	Sapling	1	3
White Pine	2	Log	10	
White Oak	2	Sapling	1	
Black/Red (Hybrid) Oak	2	Sapling	1	
White Pine	5	Sapling	1	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
34	6220 - Alder/willow	Nonstocked	7.2		Unspecified	No																																																	
35	42290 - Natural Mixed Pine	Sawtimber Well	6.3	67	51-80	N/A																																																	
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36	6130 - Fir, Aspen, Maple	Sapling Well	12.3	26	Immature	N/A	Small creek runs through stand that is currently occupied by beavers..																																																
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37	6229 - Mixed lowland shrub	Nonstocked	2.9		Immature	No																																																	
38	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	12.8	107		N/A																																																	
39	622 - Lowland Shrub	Nonstocked	4.9		Unspecified	No	Occasionally flooded due to beaver dams.																																																
40	4130 - Aspen	Sawtimber Well	24.4	87	51-80	N/A	Overmature stand of quaking aspen mixed with balsam fir. Aspen is most likely rotten. No access.																																																
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41	3102 - Grass	Nonstocked	2.4			No																																																	



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42	6130 - Fir, Aspen, Maple	Poletimber Poor	26.0	77	1-50	N/A	Lowland mixed stand. Some areas were heavy to black ash but most are entirely dead due to EAB. Those areas are heavy to tag alder.																																							
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44	4130 - Aspen	Poletimber Well	13.2	51	81-110	N/A	Some low wet swales. Possible Survey needed.																																							
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46	4130 - Aspen	Poletimber Well	31.9	38	1-50	N/A	Mix of big tooth and quaking aspen.																																							
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47	4319 - Mixed Upland Forest	Poletimber Medium	5.9	39	1-50	N/A	Mixed stand of open grown jack pine, white pine and cherry. A pocket of 20f aspen clones.																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
48	42210 - Natural Red Pine	Sawtimber Well	2.5	96	111-140	N/A	Small stand of red pine. Stand was thinned at some prior time and has a thick understory of maple and aspen. Some of the maple and Aspen are becoming merchantable.																																										
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49	4125 - Black, N. Pin Oak	Sawtimber Well	4.0	99	51-80	N/A	Small stand of poor quality oak in heavy decline. Much of the oak has already died and fallen. Heavy red maple understory. Some scattered mature aspen.																																										
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50	310 - Herbaceous Openland	Nonstocked	6.8		Unspecified	No	old home site/foundations																																										
51	310 - Herbaceous Openland	Nonstocked	1.7		Unspecified	No																																											
52	42310 - Planted Spruce	Poletimber Well	14.7	56	111-140	N/A	1965 white spruce plantation with some white pine mixed in. Good wildlife cover.																																										
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53	4130 - Aspen	Sapling Well	19.4	19	Immature	N/A																																											
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54	3102 - Grass	Nonstocked	12.4		Unspecified	Managed Opening	Wildlife Opening Keno Field 1.																																										
55	4130 - Aspen	Poletimber Well	13.8	39	81-110	N/A	Mixed stand of red maple, oak and aspen. More oak component to the west end of the stand. A small pocket of mature hardwoods and red pine on set side of stand.																																										
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56	500 - Water	Nonstocked	7.6		Unspecified	No																																											
57	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	4.9	122	111-140	N/A																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
58	3102 - Grass	Nonstocked	2.8			No	OPIC - FMD: OI Stand Year Origin was
59	611 - Lowland Deciduous Forest	Sawtimber Medium	15.7	116	1-50	N/A	
60	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	1.4	184	51-80	N/A	
61	413 - Aspen	Poletimber Well	16.0	41	1-50	N/A	
62	611 - Lowland Deciduous Forest	Poletimber Well	11.7	86	51-80	N/A	
63	6120 - Lowland Cedar	Poletimber Well	12.6	108	51-80	N/A	
64	6120 - Lowland Cedar	Poletimber Medium	67.4	108	1-50	N/A	Previous notes- Cedar pole timber stand. Cedar appears to be in poor shape and in decline. Tops are very thin and show dieback. Understory is thick balsam fir and tag alder. No evidence of being used as deer yarding area.
65	611 - Lowland Deciduous Forest	Poletimber Poor	15.5	86	1-50	N/A	Old notes-Black ash swamp in decline and experiencing heavy mortality. Understory is thick tag alder and red osier dogwood. Some areas of cattails. Little to no ash recruitment.
66	6229 - Mixed lowland shrub	Nonstocked	14.0			No	
67	500 - Water	Nonstocked	0.9			No	South branch of The AuSable River
68	6229 - Mixed lowland shrub	Nonstocked	1.5	0		No	
69	6120 - Lowland Cedar	Poletimber Well	8.3	108	81-110	N/A	Previous notes-cedar stand on slightly higher ground than surrounding areas. Stand grows bigger cedar mixed with a few red maple, black ash and balsam poplar. Balsam fir understory.
70	613 - Lowland Mixed Forest	Poletimber Medium	33.3	102	1-50	N/A	Previous notes- Low wet balsam fir stand with a few red maple, balsam poplar, black spruce cedar and black ash. Balsam fir and tag alder in understory.
71	3102 - Grass	Nonstocked	30.5		Unspecified	No	Filling in with cherry and other trees.
72	622 - Lowland Shrub	Nonstocked	17.3	0		No	Wet aspen/tag alder stand. Areas of patchy and scattered quaking aspen along with areas of tag alder. Scattered swamp conifers. Higher ground on eastern side



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73	611 - Lowland Deciduous Forest	Sawtimber Medium	14.0	116	51-80	N/A																																															
74	42310 - Planted Spruce	Poletimber Well	16.1	56	111-140	N/A	White spruce plantation. Good source of upland cover. Snowshoes using stand as habitat. Small seep/ intermittent stream found on west end of middle stand.																																														
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75	6124 - Lowland Spruce-Fir	Poletimber Well	5.1	67	51-80	N/A																																															
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76	623 - Emergent Wetland	Nonstocked	3.7			No	Pipeline																																														
77	42110 - Planted Red Pine	Sawtimber Well	22.8	56	111-140	N/A	Red pine plantation that has been thinned twice. The last being in 2014.																																														
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78	4130 - Aspen	Poletimber Well	11.3	39	51-80	N/A	Quaking Aspen with balsam fir and balsam poplar in wetter areas.																																														
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79	6120 - Lowland Cedar	Poletimber Well	22.9	105	111-140	N/A	previous notes-Nice cedar stand which Asom creek flows through. Some balsam fir, black spruce white birch and balsam poplar scattered throughout as well. Fair amount of winter deer use.																																														
80	4130 - Aspen	Sawtimber Well	25.2	56	81-110	N/A	Quaking aspen stand mixed with balsam fir growing well on good site. Some basswood and large pine scattered about. Balsam fir found throughout subcanopy. Good stand for wildlife cover due to thick balsam component. Some hare use at time of inventory.																																														
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81	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	7.5	96	51-80	N/A																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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82 500 - Water Nonstocked 4.9 No South branch of The AuSable River

83 611 - Lowland Deciduous Forest Poletimber Medium 10.6 86 51-80 N/A

84 4130 - Aspen Sawtimber Well 12.3 95 81-110 N/A No access due to the river and private property.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	85	Log/Pole	10	95	Balsam Fir	High	Variable	Sapling
Red Maple	10	Log/Pole	10					
White Pine	2	XLog/Log	18					
Balsam Fir	3	Pole	6					

85 612 - Lowland Coniferous Forest Poletimber Well 5.2 88 1-50 N/A

86 3102 - Grass Nonstocked 2.3 No

87 4130 - Aspen Poletimber Well 6.2 95 51-80 N/A

88 612 - Lowland Coniferous Forest Poletimber Well 8.0 108 51-80 N/A

89 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 6.7 116 51-80 N/A

90 6120 - Lowland Cedar Poletimber Well 6.2 86 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	50	Pole/Log	8	86	Balsam Fir	Medium	Variable	Sapling
Black Spruce	15	Pole/Log	8	86				
Balsam Fir	30	Pole	6	86				
Paper Birch	5	Pole	6					

91 622 - Lowland Shrub Nonstocked 3.6 No

92 6120 - Lowland Cedar Poletimber Well 1.3 108 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	75	Pole/Log	9	108	Balsam Fir	High	Variable	Sapling
Black Spruce	15	Pole	8		Tag Alder	Low	5 - 10 feet	Tall Shrub
Balsam Fir	10	Pole	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
93	4130 - Aspen	Poletimber Well	9.2	52	81-110	N/A	Primarily a quaking Aspen stand with balsam fir, big tooth, red pine and some oak. Oak and red pine are found mostly on east edge. Estimate stand at 50 years old. Old notes indicated it was 63 but its believed to be younger.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		75	Pole/Log	8	52	Balsam Fir		
Bigtooth Aspen		5	Pole/Log	9		Red Maple		
Black/Red (Hybrid) Oak		5	Log	14				
Red Pine		5	Log/Pole	10				
Balsam Fir		10	Pole	6				
94	42210 - Natural Red Pine	Sawtimber Well	1.6	94	81-110	N/A	Small red pine stand Quaking aspen mixed throughout stand. Balsam fir understory.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Pine		76	Log	15	94	Balsam Fir		
Quaking Aspen		10	Pole	8				
Balsam Fir		10	Pole	6				
Black/Red (Hybrid) Oak		2	Log	12				
96	3102 - Grass	Nonstocked	11.5			No		
97	42110 - Planted Red Pine	Sawtimber Well	17.4	56	111-140	N/A	Red pine plantation that has been thinned twice. Thinned last in April 2012.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Pine		100	Log/Pole	10	56	Balsam Fir		
						Pin Cherry		
						White Pine		
98	3102 - Grass	Nonstocked	1.0			No	OPIC - FMD: OI Stand Year Origin was	
99	42310 - Planted Spruce	Poletimber Well	7.2	56	81-110	N/A	White spruce plantation. A few scattered Aspen and cherry present. Some use by snowshoe hares.	
Canopy Species		% Cover	Size Class	DBH	Age			
White Spruce		100	Pole/Log	9	56			
100	4130 - Aspen	Sapling Well	25.7	19	Immature	N/A		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		100	Sapling	2	19	Pin Cherry		
						Balsam Fir		
101	4130 - Aspen	Poletimber Well	2.9	55	81-110	N/A	Quaking Aspen stand mixed with balsam fir and some red maple. Stand is starting to show some decline in the form of heart rot.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		80	Pole/Log	9	55	Balsam Fir		
Balsam Fir		10	Pole	6				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
102	6229 - Mixed lowland shrub	Nonstocked	2.4	0		No																																										
103	710 - Sand, Soil	Nonstocked	0.4		Unspecified	No	Sand pit/hill climb																																									
104	6112 - Lowland Aspen	Sawtimber Well	10.9	73	81-110	N/A	Wet aspen stand with balsam fir and tag alder present in understory. Most areas are too low and wet to harvest. Some balsam poplar present also.																																									
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105	310 - Herbaceous Openland	Nonstocked	5.9		Unspecified	No																																										
106	6124 - Lowland Spruce-Fir	Poletimber Well	4.2	89	51-80	N/A	Low, wet balsam/spruce stand. Stand becomes higher and drier to the east.																																									
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107	122 - Road/Parking Lot	Nonstocked	3.7		Unspecified	No	Road																																									
108	3102 - Grass	Nonstocked	3.2			No	Pipeline																																									
109	4130 - Aspen	Poletimber Well	25.2	39	51-80	N/A	Pole timber quaking aspen stand with balsam fir and a few red maple. A few balsam poplar present. Some wet areas holding standing water at time of inventory.																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
111	6120 - Lowland Cedar	Poletimber Well	245.7	111	51-80	N/A	Large variable cedar stand mixed with balsam fir, black spruce and tamarack. Heavy balsam fir understory. Tag alder is found heavier in the understory in more open areas. Good amounts of snowshoe hare sign(use).																																	
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112	4130 - Aspen	Sapling Well	67.5	9	Immature	N/A	71-024-11-01 Cut by Shawn Muma F.P. in spring of 2012																																	
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113	4110 - Sugar Maple Association	Sawtimber Well	1.9	107	81-110	N/A	Small hardwood ridge containing sugar maple.																																	
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114	6112 - Lowland Aspen	Poletimber Poor	3.5	58	1-50	N/A	Low wet area with scattered aspen and tag alder																																	
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116	623 - Emergent Wetland	Nonstocked	2.6			No	Pipeline																																	
117	42350 - Upland Hemlock	Sawtimber Well	9.1	111	141-170	N/A	Mix of large diameter white pine and hemlock. Some cedar and red maple mixed in. More fir and red maple component to the south.																																	
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119	4134 - Aspen, Spruce/Fir	Poletimber Well	20.5	40	81-110	N/A	Mixed Aspen and balsam fir stand. Some areas of older age classes.																																								
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120	4130 - Aspen	Poletimber Well	64.1	40	51-80	N/A	Aspen stand cut in 1981. Stand is a lower quality big tooth stand with areas of quaking mixed in. A fair amount of balsam fir as well.																																								
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121	6225 - Bog	Nonstocked	0.7		Immature	No																																									
122	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	4.0	96	81-110	N/A	"E" type mixed with balsam fir. Lower drainage theat flows south to a beaver pond. Wetter to the south with more cedar and tag alder. Maintain as wildlife travel corridor when adjacent Aspen is harvested in future.																																								
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123	6112 - Lowland Aspen	Poletimber Poor	20.4	58	1-50	N/A	Wet aspen/tag alder stand. Areas of patchy and scattered quaking aspen along with areas of tag alder. Scattered swamp conifers. Higher ground on eastern side																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
124	4319 - Mixed Upland Forest	Poletimber Well	11.8	88	51-80	N/A	Older stand of quaking Aspen mixed with spruce and fir. Some areas of Aspen especially on west side are in heavy decline. Stand surrounds old manage opening. A pocket of younger pole timber aspen on the east side.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		10	Pole/Log	8	88	Red Maple		
Quaking Aspen		46	Pole/Log	8	88	Medium		
Balsam Fir		25	Pole/Log	8	88	Variable		
Black Spruce		15	Pole/Log	8	88	Sapling		
Northern White Cedar		2	Pole	6	88			
Black Cherry		2	Pole/Log	8				
125	622 - Lowland Shrub	Nonstocked	6.4		Unspecified	No		
126	42330 - Upland Fir	Poletimber Well	3.5	38	51-80	N/A	Thick balsam fir stand with some white pine, white birch, red maple and quaking aspen mixed in. A fair amount of snowshoe activity. Hold for wildlife cover values.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		10	Pole	6	38	Balsam Fir		
Paper Birch		5	Pole	6	38	Low		
Quaking Aspen		15	Pole	6	38	< 5 feet		
Balsam Fir		70	Pole	6	38	Sapling		
127	4110 - Sugar Maple Association	Sawtimber Well	24.4	96	81-110	N/A	Very nice N. hardwood stand dominated by hard maple. Stand was thinned in 1983 and 20xx. Some hemlock scattered and in small pockets. A few very impressive red oaks found scattered about. Site quality goes down on south end.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		74	Log/Pole	12	96	White Ash		
Red Maple		2	Log/Pole	10	96	Low		
Basswood		8	Log	12	96	Variable		
Red Oak		2	Log	14	96	Sapling		
White Pine		2	Log/XLog	14	96	Balsam Fir		
Hemlock		12	Log	12	96	Low		
128	623 - Emergent Wetland	Nonstocked	1.1			No	Pipeline	
129	4115 - Y.Birch, Hemlock NH	Sawtimber Well	20.4	111	111-140	N/A	Maple stand mixed with hemlock. Most areas have a high water table. Some hard maple on higher ground but most areas are heavier to red maple. Hold for diversity. Unique to Roscommon FMU. Wet soils may cause rutting issues if harvested.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		5	Log/Pole	10		Balsam Fir		
Red Maple		60	Log/Pole	10	111	Low		
Quaking Aspen		2	Log	12		Variable		
White Pine		10	XLog/Log	18	99	Sapling		
Hemlock		21	Log	14		Low		
Red Oak		2	Log	14		5 - 10 feet		
						Sapling		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
130	6115 - Lowland Ash	Poletimber Well	5.4	64	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		40	Sapling/Pole	6	64	Balsam Fir	Low	Variable	Sapling
Black Ash		60	Sapling/Pole	6	64	Tag Alder	Medium	Variable	Tall Shrub
131	6123 - Lowland Fir	Poletimber Medium	3.3	81	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		15	Pole	8		Balsam Fir	Low	< 5 feet	Sapling
Quaking Aspen		15	Pole	6		Tag Alder	High	5 - 10 feet	Tall Shrub
Balsam Fir		65	Pole/Sapling	5	81				
Northern White Cedar		5	Pole	6					
132	4130 - Aspen	Poletimber Well	2.3	38	51-80	N/A	Small wet stand of aspen		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		65	Pole/Log	9	38	Balsam Fir	Medium	Variable	Sapling
Balsam Fir		15	Pole	6		Tag Alder	Low	Variable	Tall Shrub
Balsam Poplar		20	Pole	8					
133	122 - Road/Parking Lot	Nonstocked	4.8		Unspecified	No	Road		
134	4199 - Other Mixed Upland Deciduous	Poletimber Medium	6.5	35	1-50	N/A	Scattered aspen and cherry		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar		60	Pole	6	35	Balsam Fir	Low	Variable	Sapling
Pin Cherry		40	Pole	5	35				
135	42110 - Planted Red Pine	Sawtimber Well	30.8	52	111-140	N/A	These trees for these red pine plantations were donated by the "Daughters Of The American Revolution" (DAR) in 1969. There is a memorial sign placed in the Red Pine Natural Area 2 miles to the east. Areas of heavy cherry saplings in the understory.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		100	Log/Pole	10	52	Pin Cherry	Medium	5 - 10 feet	Sapling
						Balsam Fir	Low	< 5 feet	Sapling
136	310 - Herbaceous Openland	Nonstocked	33.1		Unspecified	No	Grassy opening with some scattered cherry.		
						Sub-Canopy Species	Density	Avg. Height	Size
						Pin Cherry	Trace		Tall Shrub
137	42310 - Planted Spruce	Poletimber Well	23.8	61	111-140	N/A	White spruce plantations.		
Canopy Species		% Cover	Size Class	DBH	Age				
White Spruce		98	Pole	9	61				
White Pine		2	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
138	4110 - Sugar Maple Association	Sawtimber Well	13.7	96	81-110	N/A	Very nice stand of northern hardwoods. Stand was last thinned in 1983 and last entry. Most of the stand is log sized and has little regeneration. A few scattered large red oak.																																					
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139	4130 - Aspen	Poletimber Well	4.5	91	51-80	N/A	Small acreage along PVT that contains some hardwood and aspen.																																					
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141	4130 - Aspen	Poletimber Well	10.1	50	81-110	N/A	Aspen stand along PVT with a small opening and a pocket of birch.																																					
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142	6229 - Mixed lowland shrub	Nonstocked	46.2	0	Unspecified	No																																						
143	6124 - Lowland Spruce-Fir	Poletimber Medium	3.1	102		N/A																																						
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144	6120 - Lowland Cedar	Poletimber Well	14.6	102	141-170	N/A	"Q" type along the south branch of the AuSable river. Heavier to cedar along the west edge along the road. More hardwoods to the SE.																																					
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145	122 - Road/Parking Lot	Nonstocked	3.4		Unspecified	No																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
146	4119 - Mixed Northern Hardwoods	Sawtimber Well	8.0	92	81-110	N/A	Mixed hardwood stand with some large red oak. Stand slopes down to the river on the north end.																																															
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147	4130 - Aspen	Sapling Well	27.9	9	Immature	N/A	Cut by Shawn Muma F.P. in spring of 2012																																															
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148	42210 - Natural Red Pine	Sawtimber Well	1.6	92	111-140	N/A	Small natural red pine stand mixed with a few hardwoods and white pine.																																															
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149	500 - Water	Nonstocked	8.0		Unspecified	No	Flooded timber/beaver pond																																															
150	4130 - Aspen	Poletimber Well	2.0	40	51-80	N/A	Some beaver activity																																															
151	6124 - Lowland Spruce-Fir	Poletimber Well	14.4	102	81-110	N/A																																																
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152	622 - Lowland Shrub	Nonstocked	2.4		Unspecified	No																																																