



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71024

Entry Year 2025

Acreage: 1,665

County Roscommon

Management Area: High Sand Plains

Stand Examiner: Jason Lewicki

Legal Description:

T22N R03W Sections 25, 26, 35 and 36

Identified Planning Goals:

Vegetation management in the Upper Muskegon management area will provide forest products; maintain or enhance wildlife habitat; protect areas of unique threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year period will focus on harvesting older jack pine and balancing age class distributions of oak, aspen and red pine. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation. Expected trends within this 10-year planning period are the need to manage exotic species (especially Phragmites and glossy buckthorn), the need to continue to manage cover types for a balanced age-class distribution and an expected increase in recreation pressure.

Soil and topography:

Soils on the uplands are generally poor and consist of a mix of Grayling and Croswell sands. Lowlands are dominated by Tawas-Lupton Mucks. Topography is generally flat to gently rolling.

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

This compartment lies just south of the town of Prudenville. State ownership in this area is scattered and intermixed with private property. Land use is very heavy within this compartment due to its proximity to town, abundant road and multi-use trail systems.

Unique Natural Features:

None known.

Archeological, Historical, and Cultural Features:

There are known archeological sites within the compartment boundaries.

Special Management Designations or Considerations:

None known

Watershed and Fisheries Considerations:

The headwaters of Knappen creek lie within the compartment's borders. It flows north directly into Houghton Lake.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for metallic minerals in this part of the state. The nearest active sand/gravel operation is more than four miles to the northwest. There is good potential for sand & gravel and for development of surface mines on uplands in the area. Within the compartment, this would primarily include the southern half. The nearest oil & gas production, past or present, is more than two miles east. There is limited history of well permitting activity in and around the compartment. While there has been some recent history of leasing of State-owned oil & gas rights within the compartment, oil & gas potential is considered low at this time.

Vehicle Access:

Vehicle access to this compartment is generally very good. M-18 and multiple county roads cut through this compartment. There is a area in the north west part of the compartment that is inaccessible to public vehicles.

Survey Needs:

None needed at this time

Recreational Facilities and Opportunities:

Fire Protection:

Additional Compartment Information:

The following reports from the Inventory are attached:

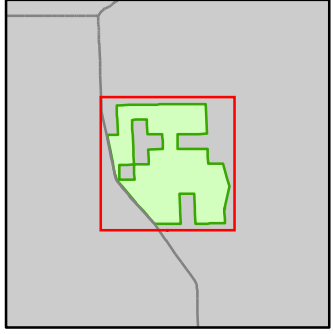
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

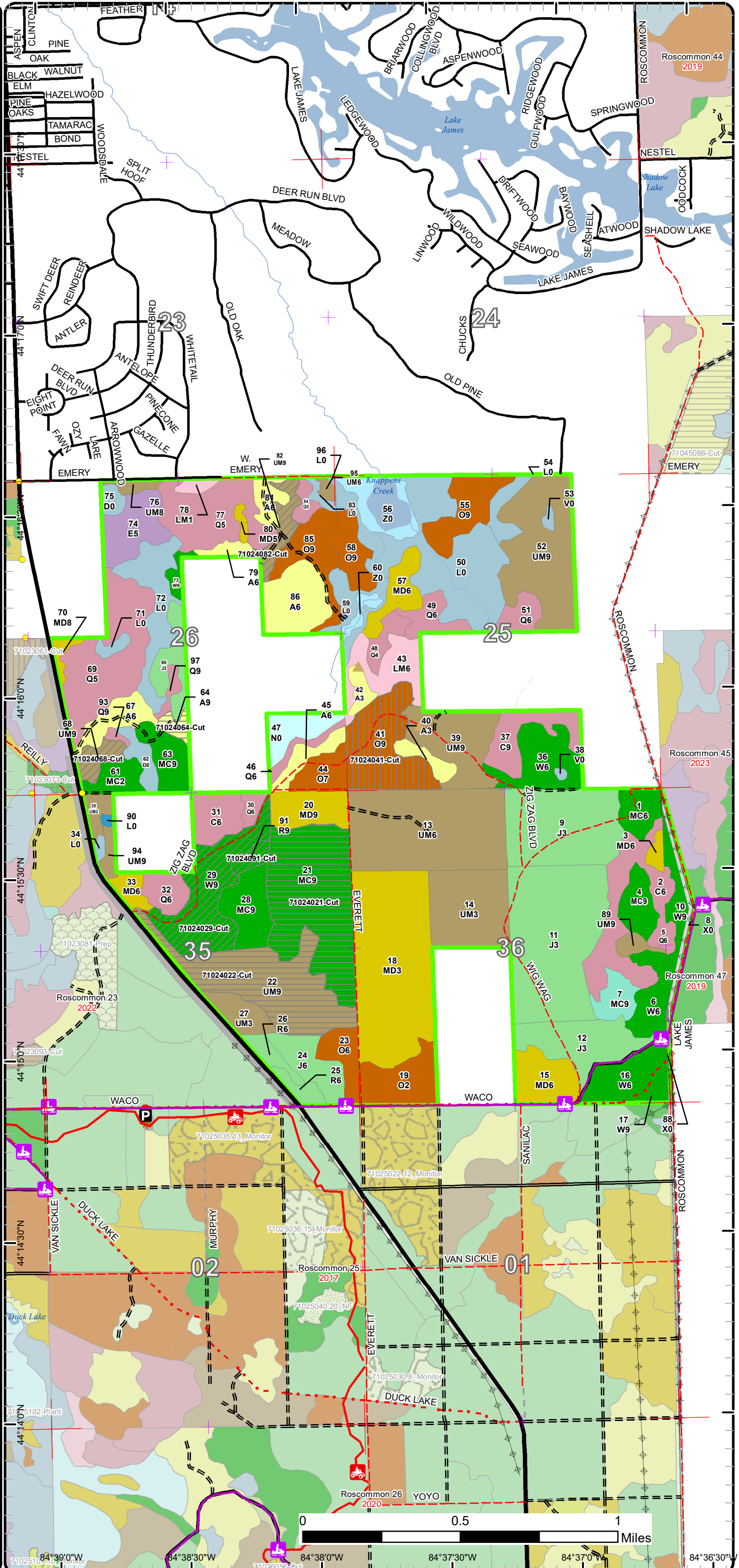
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 24
 T22N, R03W, Sec. 25, 26, 35, 36
 T22N, R02W, Sec. 31
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: High Sand Plains
 YOE: 2025
 Acres: 1665 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 7/5/2023
 Map Phase: Web-Post



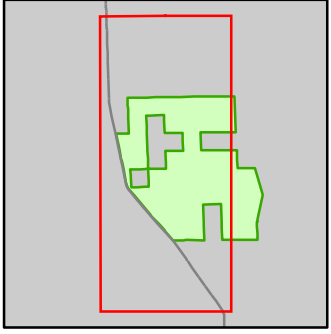
- Miris Corners
- ⊕ Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
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- Sign
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- Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland



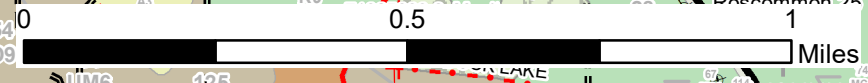
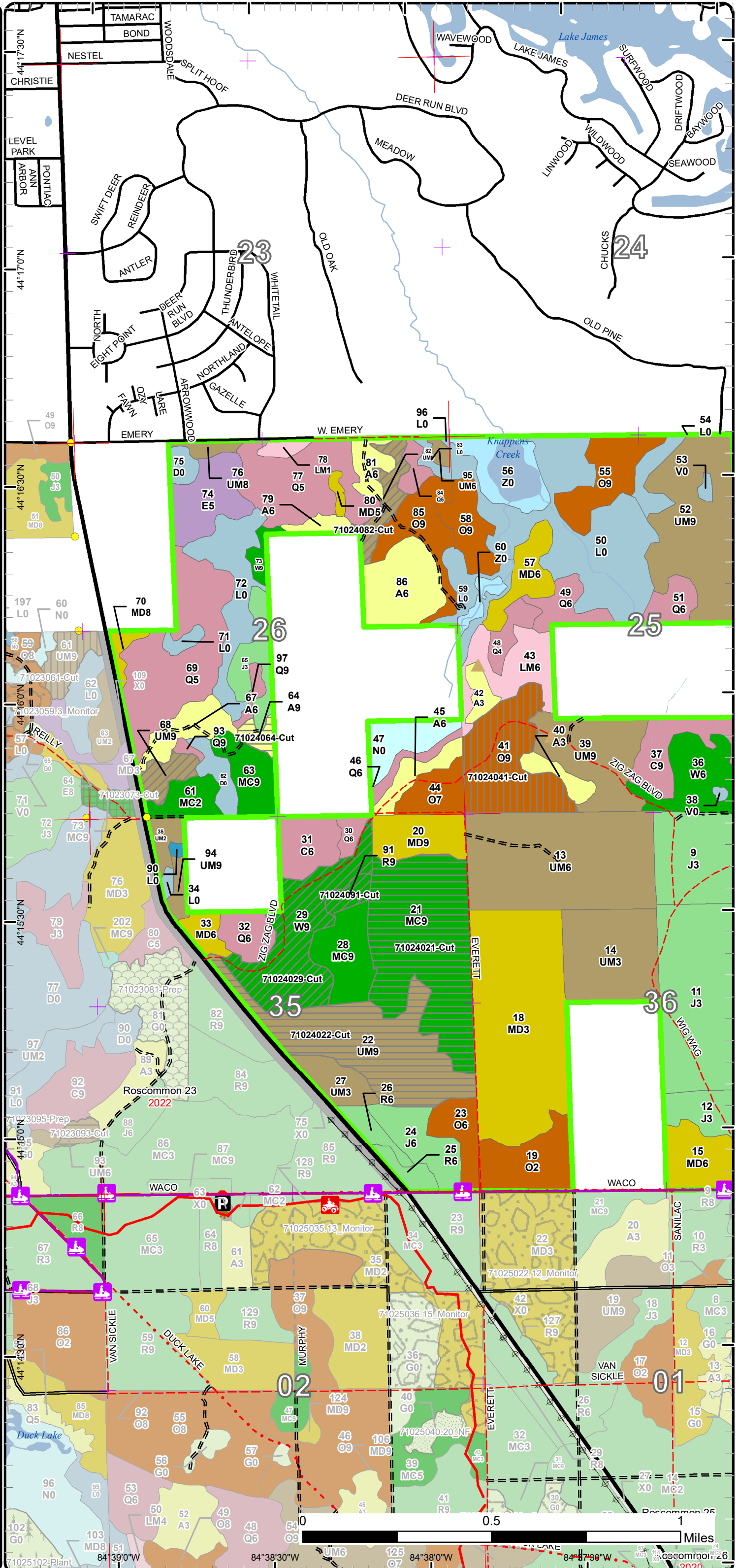
84°39'0"W 84°38'30"W 84°38'0"W 84°37'30"W 84°37'0"W 84°36'30"W

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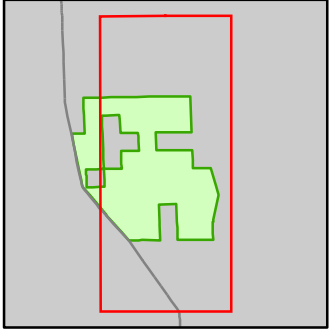
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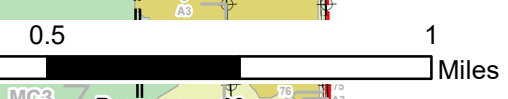
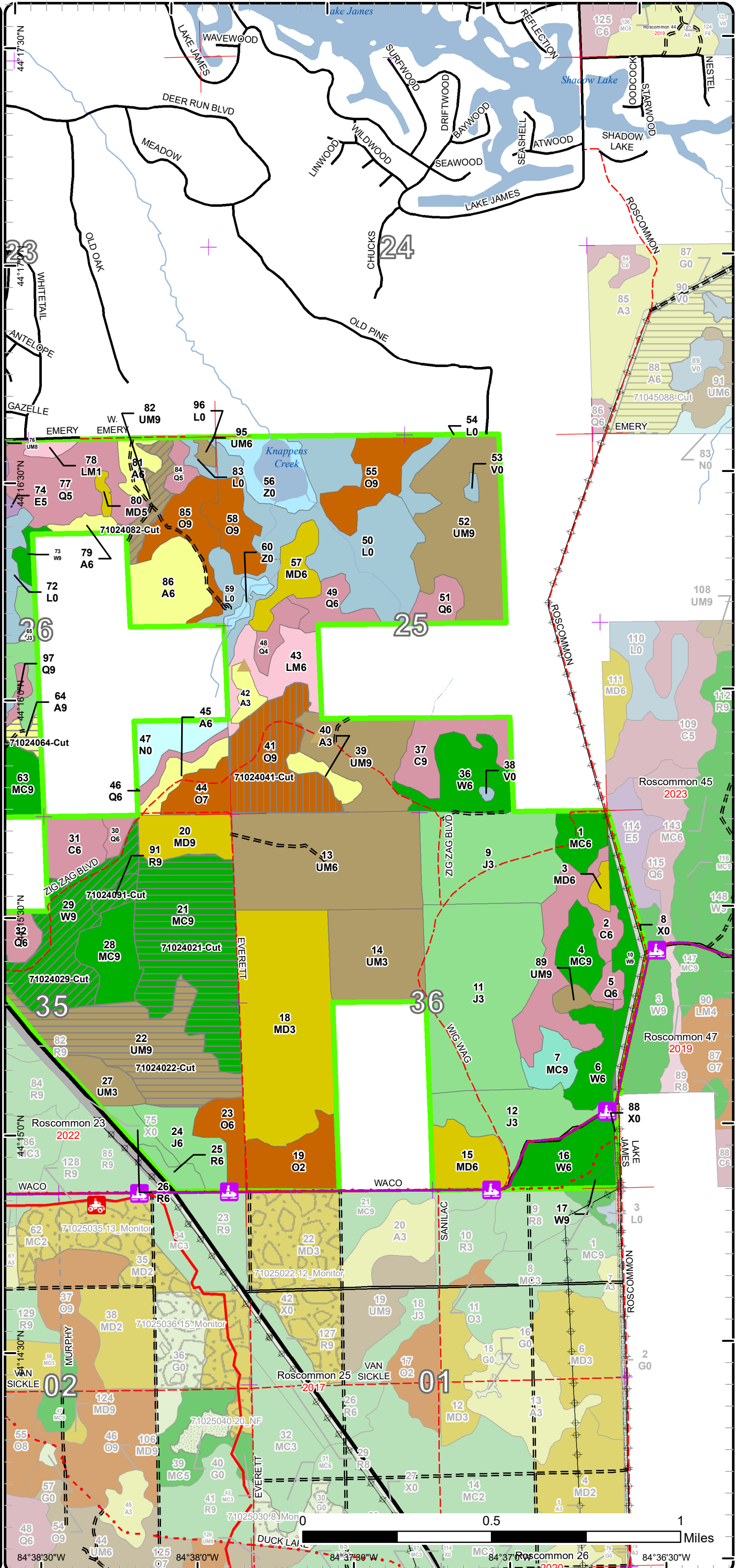
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 Roscommon 25
 Roscommon 26
 Roscommon 35
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 2020

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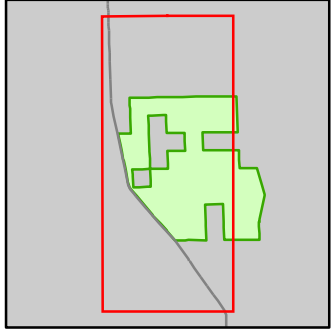
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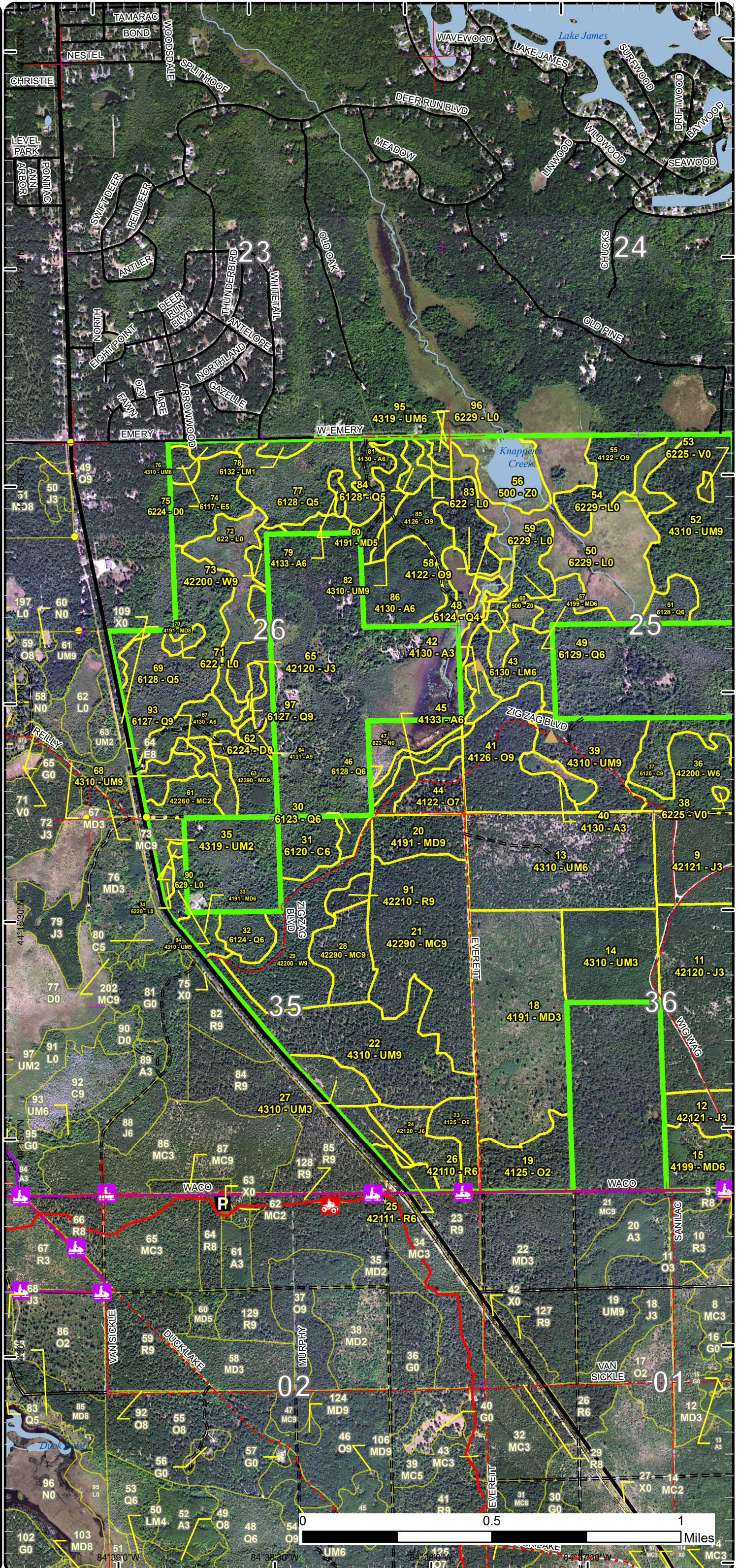
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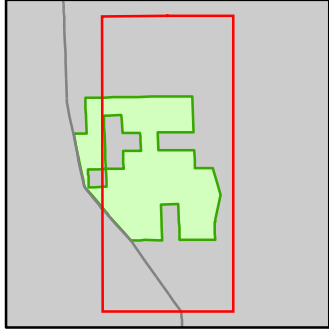


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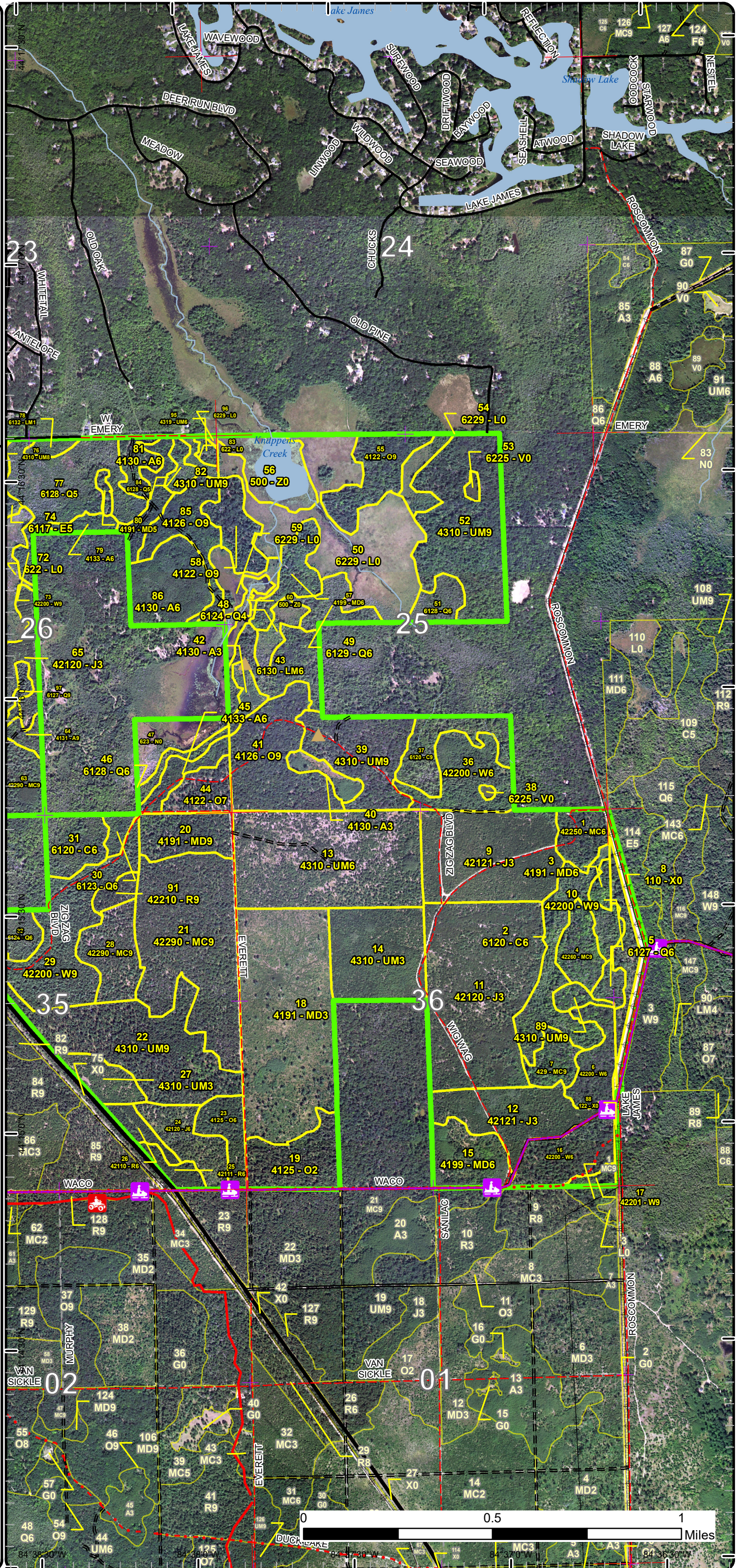


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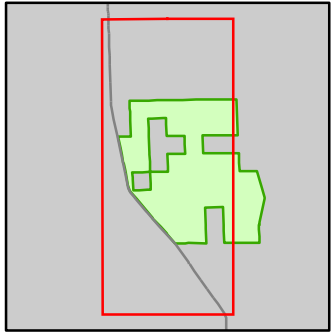


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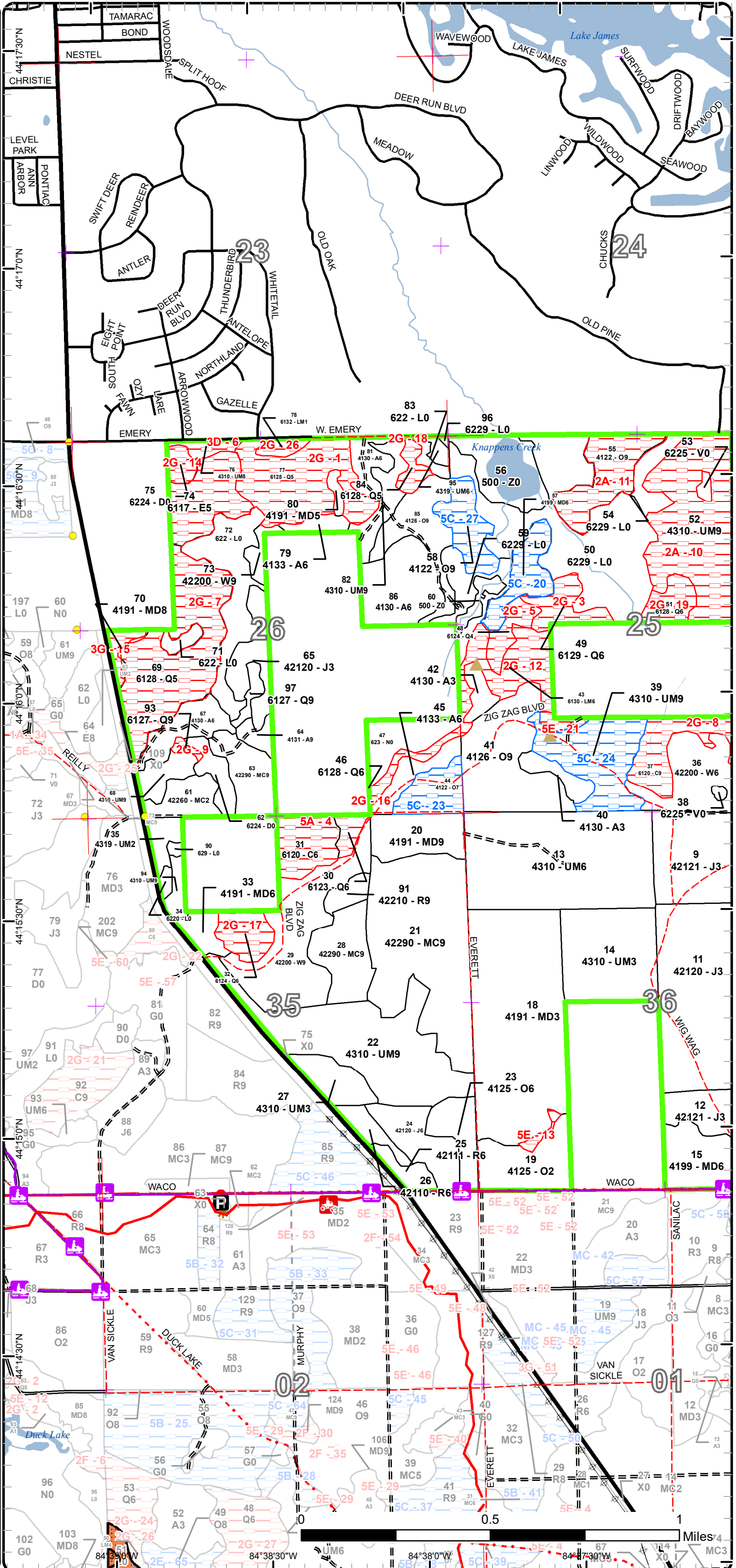


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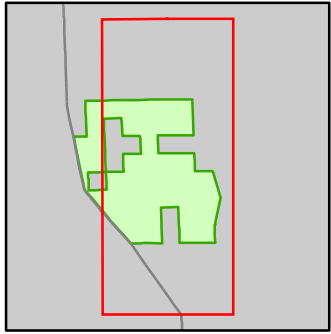


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- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 3D: Recreational / Scenic values
- 3G: Other Influence zones - See comments
- 5A: Not able to obtain desirable regeneration
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- Other Habitat Area

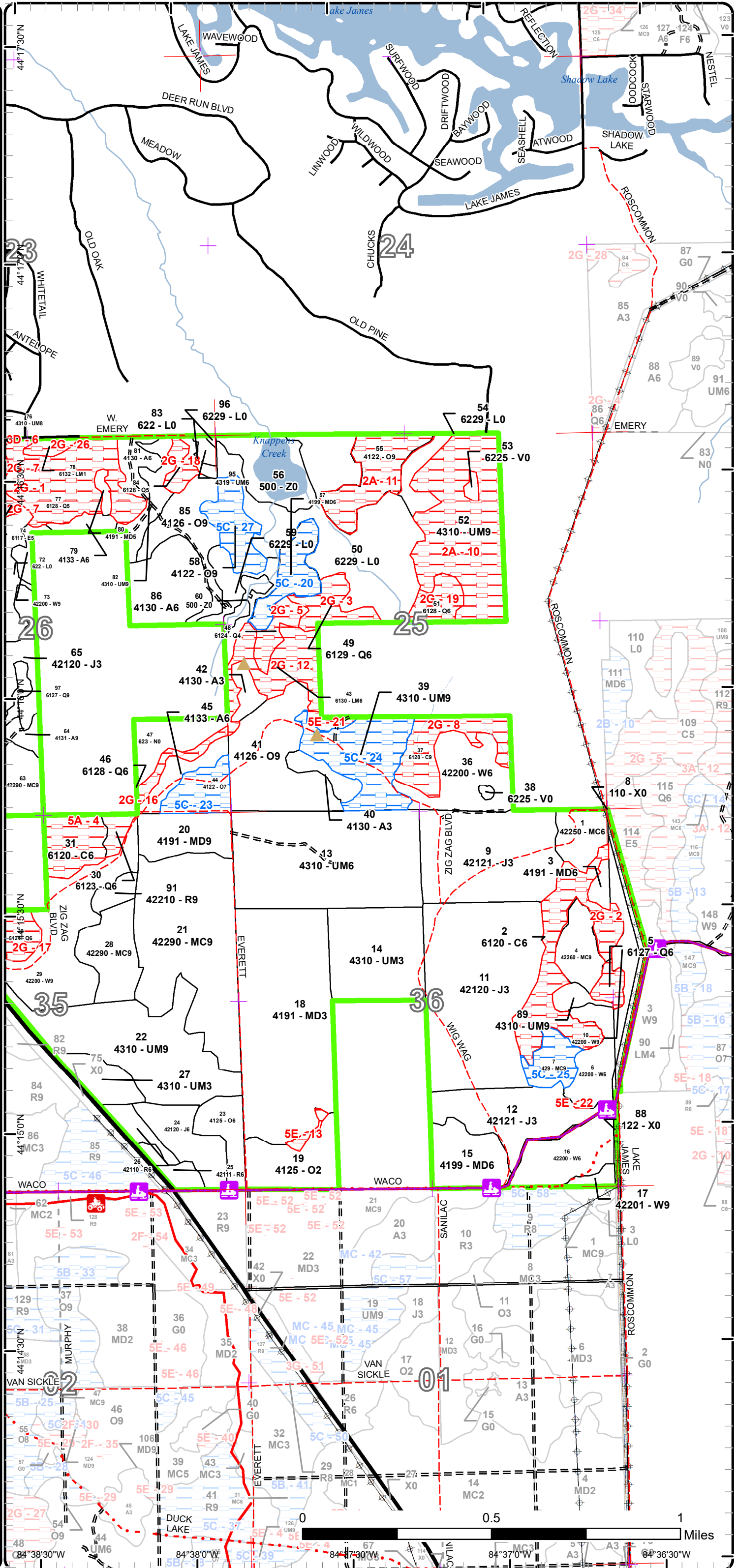


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- Stand Boundaries



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	11	0	8	52	0	0	4	0	0	0	0	0	0	0	0	0	75
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	0	54	0	0	0	15	0	69
Jack Pine	0	0	0	102	88	18	0	0	0	0	0	0	0	0	0	0	0	0	208
Lowland Conifers	0	0	0	0	0	4	0	0	13	18	52	5	56	0	0	0	0	0	148
Lowland Deciduous	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Lowland Mixed Forest	0	0	0	0	0	3	0	0	0	0	0	0	21	0	0	0	0	0	24
Lowland Shrub	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124
Marsh	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Mixed Upland Deciduous	0	0	94	20	14	2	21	0	7	0	4	0	0	0	0	0	0	0	162
Natural Mixed Pines	0	0	0	0	0	11	16	32	0	13	77	0	0	0	0	0	0	0	149
Oak	0	24	0	0	0	12	0	0	0	0	0	0	88	0	0	0	0	20	144
Red Pine	0	0	0	0	0	12	0	5	0	0	0	0	0	0	0	0	0	0	17
Treed Bog	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	10
Upland Mixed Forest	0	0	0	46	95	0	0	0	81	0	0	4	99	0	0	0	0	0	325
Urban	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Water	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
White Pine	0	0	0	0	0	0	0	92	31	0	0	0	0	0	3	0	0	0	126
Total	187	24	105	168	227	114	37	129	136	31	133	9	318	10	3	0	15	20	1666



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2025

Acres of Harvest

Compartment 24
Total Compartment Acres: 1,665

Commercial Harvest - 251
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	4	0	0	0	0	0	0	0	0	4
Natural Mixed Pines	77	0	0	0	0	0	0	0	0	77
Oak	0	0	0	0	40	0	0	0	0	40
Red Pine	0	0	0	0	0	5	0	0	0	5
Upland Mixed Forest	62	0	0	0	0	19	0	0	0	81
White Pine	0	0	0	0	0	44	0	0	0	44
Total	143	0	0	0	40	68	0	0	0	251

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	251	0	0	0	0	0	0	0	0	251
Next Step	0	202	77	0	0	278	323	0	0	879
Total	251	202	77	0	0	278	323	0	0	1130



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat
											Cut

Proposed Treatments:

21	71024021-Cut	76.9	42290 - Natural Mixed Pine	Sawtimber Well	90	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
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Prescription Clearcut stand with a 1" spec. Leave a island or corner for retention. Trench and plant red pine with all tools available.
Specs:

Next Step Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr);
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Free to grow red pine at fully stocked levels.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

22	71024022-Cut	62.3	4310 - Pine, Oak Mix	Sawtimber Well	75	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
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Prescription Clearcut stand with a 1" spec. Leave retention in a strip along m-18. Trench and plant red pine with all tools available to create free to grow conditions.
Specs:

Next Step Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release; SitePrep, Trenching; Monitoring, Artificial Regen(1yr); Monitoring, Artificial
Treatments: Regen(3yr); SitePrep, Roller Chopping

Acceptable Fully stocked, free to grow, planted red pine.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

29	71024029-Cut	44.3	42200 - Natural White Pine	Sawtimber Well	62	81-110	Harvest	Crown Thinning	4220 - Natural White Pine	Even-Aged	No
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Prescription Thin stand down to around 70 BA. Remove all the Balsam fir and jack pine. Remove poor formed and suppressed red and white pine.
Specs: Mark to remove some of the poor formed oak but release good stems where possible. Apply oak wilt spec.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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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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41	71024041-Cut	39.9	4126 - White, Black, N. Pin Oak	Sawtimber Well	114	81-110	Harvest	Shelterwood	412 - Oak Types	Uneven-Aged	No
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Prescription Shelterwood stand by removing poor formed and suppressed pine and oak. Open up the canopy to allow the subcanopy to develop while still providing acorn mast. Target 30-50 BA. Remove all black oak, aspen and jack pine. Lower the BA in areas of jack pine and scatter their tops to promote regeneration.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Oak and white pine at fully stocked levels .

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

64	71024064-Cut	4.2	4131 - Aspen, Oak	Sawtimber Well	70	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clearcut stand with a 2"spec. No retention due to size. Leave 1-3 dominant white pine per acre where possible. Create drumming log and brush piles to increase grouse and hare habitat.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen and mixed hardwoods at fully stocked levels.

Regen:

Other

Survey needed

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

68	71024068-Cut	7.9	4310 - Pine, Oak Mix	Sawtimber Well	112	81-110	Harvest	Crown Thinning	4220 - Natural White Pine	Even-Aged	No
-----------	---------------------	-----	----------------------	----------------	-----	--------	---------	----------------	---------------------------	-----------	----

Prescription Thin stand down to an average of 50-70 BA. Remove all black oak. Remove poor formed and suppressed red maple and white pine. Remove any crown competitors with the large healthy white oak.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

82	71024082-Cut	10.8	4310 - Pine, Oak Mix	Sawtimber Well	75	51-80	Harvest	Crown Thinning	429 - Mixed Upland Conifers	Even-Aged	No
-----------	---------------------	------	----------------------	----------------	----	-------	---------	----------------	-----------------------------	-----------	----

Prescription Thin stand down to around 50-70BA. This will allow crowns of white oak and pine to expand and would also develop a subcanopy. Remove all black oak. Remove poor formed and suppressed white oak and pine. Focus growth on large crowned white oak and good formed white pine.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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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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91	71024091-Cut	4.8	42210 - Natural Red Pine	Sawtimber Well	62	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand with surrounding white pine stand. Thin from below and remove poor formed and suppressed red pine. Favor releasing white pine where possible for diversity. Target a residual basal area of 80 Sq ft.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

Total Treatment 251.1
Acreage Proposed:

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 24
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
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Dominant Site Conditions

	Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Condition	Dominant Site Conditions							
						5C	2A	2G	3D	3G	5A	5E	ed
75	75	0	0		Aspen			0					
2	2	0	0		Bog								
70	1	0	69		Cedar			54			15		
207	207	0	0		Jack Pine								
148	4	0	144		Lowland Conifers	0		140			4		
22	0	0	21		Lowland Deciduous			21					
25	0	0	25		Lowland Mixed Forest			25					
124	123	0	1		Lowland Shrub	0	0	0					
14	14	0	0		Marsh								
162	144	14	4		Mixed Upland Deciduous	14		0		3		0	
148	148	0	0		Natural Mixed Pines								
143	94	27	23		Oak	27	21					2	
17	17	0	0		Red Pine								
12	7	0	4		Treed Bog			4					
10	0	10	0		Upland Conifers	10		0					
326	230	30	65		Upland Mixed Forest	30	58	0	4			3	0
10	10	0	0		Urban								
25	25	0	0		Water								
125	125	0	0		White Pine			0				0	
1,665	1,227	81	356		Total Forested Acres	81	80	245	4	3	19	5	0
	74%	5%	21%		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	Dominant Site 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)	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions

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Jason Lewicki : Examiner

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2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5A: Not able to obtain desirable regeneration	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3D: Recreational / Scenic values	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	74	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Jason Lewicki : Examiner

Compartment: 24
Year of Entry: 2025

8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2A: Adjacent landowner denied access	58	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2A: Adjacent landowner denied access	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Jason Lewicki : Examiner

Compartment: 24

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14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	3G: Other Influence zones - See comments	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: narrow and cut by several drainages perpendicular to M-18, therefore, no good spot for a landing due to stand configuration							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Jason Lewicki : Examiner

Compartment: 24
Year of Entry: 2025

20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	5E: Long-Term Retention	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: upland oak/pine to south part and then grades down a steeper slope covered with W3 to low/wet ground with mostly swamp conifers along the private property.							
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	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki: Examiner

Compartment: 24
Year of Entry: 2025

26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

Mgt. Unit

Compartment:

Year of Entry



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
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
1	42250 - Pine, Oak	Poletimber Well	11.8	64	81-110	N/A	Stand had all black oak, maple and jack pine removed two entries ago. Stand could possibly be thinned again in spots. Much of the product removed would white pine pulp at low volumes and acreage.																																											
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2	6120 - Lowland Cedar	Poletimber Well	35.0	115	111-140	N/A																																												
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3	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	3.3	55	81-110	N/A																																												
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4	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	12.6	85	81-110	N/A	Mixed pine stand with red maple. White pine dominates. Heavy balsam fir understory.																																											
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5	6127 - Lowland Pine	Poletimber Well	4.6	85	51-80	N/A	White pine bog.																																											
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6	42200 - Natural White Pine	Poletimber Well	15.4	75	51-80	N/A																																												
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7	429 - Mixed Upland Conifers	Sawtimber Well	10.4	125	111-140	N/A																																										
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8	110 - Low Intensity Urban	Nonstocked	8.5			No	POWERLINE and PIPELINE R.O.W., ALSO HAS SEASONALLY COUNTY ROAD WITHIN R.O.W.																																									
9	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	55.6	24	Immature	N/A																																										
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10	42200 - Natural White Pine	Sawtimber Well	11.1	75	51-80	N/A	- Cut July/August 2010. Large oak were left for mast and canopy closure.																																									
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11	42120 - Planted Jack Pine	Sapling Well	88.2	35	1-50	N/A	Transitioning into poletimber size stand. A few pockets of aspen.																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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13	4310 - Pine, Oak Mix	Poletimber Well	81.5	35	1-50	N/A	Stand of natural, low quality oak and jack pine.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	2	Pole/Log	8	
White Pine	2	Pole	5	
Black/Red (Hybrid) Oak	46	Pole/Sapling	5	
Jack Pine	50	Pole/Sapling	5	36

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
Jack Pine	Low	5 - 10 feet	Sapling
Pin Cherry	Low	5 - 10 feet	Sapling

14	4310 - Pine, Oak Mix	Sapling Well	39.5	25	Immature	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	55	Sapling	3	25
Jack Pine	5	Sapling	2	
Red Pine	40	Sapling	3	25

15	4199 - Other Mixed Upland Deciduous	Poletimber Well	20.2	29	1-50	N/A	Diverse stand of oak, cherry and aspen. Aspen is found in large pockets surrounded by oak and cherry.
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	40	Pole/Sapling	5	29
Pin Cherry	20	Sapling/Pole	4	
Red Maple	5	Pole/Sapling	5	
Quaking Aspen	5	Pole/Sapling	5	
Bigtooth Aspen	20	Pole	6	29
Jack Pine	10	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	Medium	< 5 feet	Sapling
Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling

16	42200 - Natural White Pine	Poletimber Well	22.1	60	51-80	N/A	Stand had all the black oak and jack pine removed in 2018. Stand is primarily a white pine stand with some scattered pine white oak. A few scattered red pines.
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Canopy Species	% Cover	Size Class	DBH	Age
White Oak	20	Log/Pole	12	110
White Pine	75	Pole/Log	9	60
Jack Pine	5	Sapling	2	

Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Low	Variable	Sapling
Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
Pin Cherry	Low	5 - 10 feet	Sapling
White Pine	Medium	Variable	Sapling

17	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	2.9	130	111-140	N/A	Pockets of lowland.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	65	Log/XLog/Pole	14	130
Black/Red (Hybrid) Oak	2	Log	12	
Red Maple	30	Pole/Log	8	
Bigtooth Aspen	3	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	High	Variable	Sapling
Red Maple	Low	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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18 4191 - Mixed Upland Deciduous with Conifer Sapling Well 93.6 15 Immature N/A Stand was cut in the summer of 2006 and planted to red pine. Stand has heavy competition of oak and cherry and jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	20	Sapling	2	
Jack Pine	20	Sapling	1	
White Oak	4	Log	12	
Black/Red (Hybrid) Oak	44	Sapling	2	16
Pin Cherry	10	Sapling	1	
Black/Red (Hybrid) Oak	2	Log	12	

19 4125 - Black, N. Pin Oak Sapling Medium 23.5 4 Immature N/A Cut Winter 2018. Stand is filing in with oak and cherry saplings. There is a small Amount of pole timber red and white scattered about. There is some red pine saplings scattered but not enough to claim in the "canopy".

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	2	Sapling/Pole	4	
Pin Cherry	10	Sapling	1	
Black/Red (Hybrid) Oak	76	Sapling	1	5
White Oak	10	Sapling	1	
White Pine	2	Sapling/Pole	4	

20 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 18.0 55 51-80 N/A A mix of oak poletimber and log size white pine. Some scattered mature oak but most are younger(cored at 55) and from stump sprout origin. Hold as stand has a good component of younger healthy white oak.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	2	Log/Pole	10	
Black/Red (Hybrid) Oak	35	Pole/Log	8	56
Red Pine	5	Log	12	
Red Maple	8	Pole/Log	8	
White Pine	35	Log/Pole	12	
White Oak	15	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
White Pine	Low	Variable	Sapling
Pin Cherry	Low	Variable	Sapling

21 42290 - Natural Mixed Pine Sawtimber Well 76.9 90 81-110 N/A Old overmature stand of Jack pine with oak, red and white pine. There is a old age class of oak in decline but also has some younger poletimber oak also. Understory is made up of pin cherry with some oak, balsam and pine. Oak and jack pine are at high risk if stand were to be held.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	10	Log	14	
White Pine	12	Log/Pole	10	
Jack Pine	53	Log/Pole	10	91
White Oak	2	Log	12	
Balsam Fir	2	Pole	5	
Black/Red (Hybrid) Oak	21	Log/Pole	12	

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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22	4310 - Pine, Oak Mix	Sawtimber Well	62.3	75	81-110	N/A	Upland pine and oak stand. Oak is overmature and in heavy decline. Red pine averages around 14" dbh. Understory is made up of fairly heavy pin cherry.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Jack Pine	2	Log	10			Balsam Fir	Low	Variable	Sapling	
Red Pine	45	Log	14	76		Pin Cherry	High	5 - 10 feet	Sapling	
White Pine	10	Log/Pole	10			Red Pine	Low	< 5 feet	Sapling	
White Oak	8	Pole/Log	9			Black/Red (Hybrid) Oak	Low	Variable	Sapling	
Black/Red (Hybrid) Oak	35	Log	14	123		White Pine	Low	Variable	Sapling	

23	4125 - Black, N. Pin Oak	Poletimber Well	12.4	40	1-50	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine	2	Log/Pole	10			Black/Red (Hybrid) Oak	Low	Variable	Sapling	
Jack Pine	5	Pole	5			Pin Cherry	High	< 5 feet	Sapling	
White Oak	5	Pole/Sapling	5							
Bigtooth Aspen	2	Pole	5							
White Pine	2	Pole	6							
Black/Red (Hybrid) Oak	84	Pole/Sapling	5	40						

24	42120 - Planted Jack Pine	Poletimber Well	17.5	48	51-80	N/A	Natural jack pine e stand with variable densities. Heavy pin cherry component.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black/Red (Hybrid) Oak	5	Sapling/Pole	4			Jack Pine	Medium	Variable	Sapling	
Pin Cherry	10	Sapling/Pole	4			Black/Red (Hybrid) Oak	Low	Variable	Sapling	
Red Pine	2	Log/Pole	10			Pin Cherry	Medium	Variable	Sapling	
White Pine	3	Log/Pole	10							
Jack Pine	80	Pole/Log	8	48						

25	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	5.9	43	81-110	N/A	Similar stand as the one to the north but with more oak component. Thin next entry?			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine	5	Log/Pole	12			Pin Cherry	Medium	Variable	Sapling	
Black/Red (Hybrid) Oak	20	Pole	5			White Pine	Low	Variable	Sapling	
Red Pine	65	Pole	6	43						
Jack Pine	10	Pole	5							

26	42110 - Planted Red Pine	Poletimber Well	6.2	43	81-110	N/A	Broken red pine plantation that has som oak and white pine mixed. Lots of broken areas with non solid rows. Heavy cherry subcanopy. Thin next entry?			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine	10	Log/Pole	10			Pin Cherry	Medium	5 - 10 feet	Sapling	
Jack Pine	10	Pole	5			White Pine	Low	Variable	Sapling	
Black/Red (Hybrid) Oak	10	Pole	5							
Red Pine	70	Pole	6	43						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
27	4310 - Pine, Oak Mix	Sapling Well	11.6	30	Immature	N/A	Trenched and planted red pine mixed in with heavyoak competition. Red pine and oak doing well, fully stocked.																																															
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28	42290 - Natural Mixed Pine	Sawtimber Well	20.1	65	51-80	N/A	A 2 aged stand of pine. There is a older class of red and white pine sawtimber with younger poletimber size jack pine and oak stump sprouts.																																															
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Black Cherry	Medium	5 - 10 feet	Sapling																																																			
29	42200 - Natural White Pine	Sawtimber Well	44.3	62	81-110	N/A	Stand of primarily white pine. Scattered red pine, jack pine balsam fir and pole timber oak make up the remaining canopy. White pine has good height and form but has some evidence of weeviling in the past. Jack pine is overmature and in decline. The oak is poletimber size and from stump sprout origin with multiple stems. The stand has variable density but averages around 100 BA.																																															
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30	6123 - Lowland Fir	Poletimber Well	4.0	48		N/A	Lowland balsam fir stand.																																															
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31	6120 - Lowland Cedar	Poletimber Well	15.3	182		N/A	Nice cedar swamp with hemlock, unique stand did not see any cedar or hemlock regen. Creek in northeast of stand flowing north and east.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
32	6124 - Lowland Spruce-Fir	Poletimber Well	10.4	73		N/A	Lowland coniferous swamp. Scattered white pine super canopy trees, some have 20-40' clear butt logs. Balsam fir and Black spruce understory very thick in some places. Canopy height variable.																																																						
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33	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	6.6	72	81-110	N/A																																																							
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34	6220 - Alder/willow	Nonstocked	1.6			No																																																							
35	4319 - Mixed Upland Forest	Sapling Medium	5.9	21	Immature	N/A	primarily a natural red pine mixed with red maple stump sprouts stand. Some scattered large oak left from 2002 harvest.																																																						
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36	42200 - Natural White Pine	Poletimber Well	25.4	65	81-110	N/A	Stand dominated by white pine. An area of aspen poletimber found mixed in along the nw part of the stand. Possible thin in future entries.																																																						
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37	6120 - Lowland Cedar	Sawtimber Well	19.4	119	141-170	N/A	Nice cedar stand with scattered large white pine.																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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38 6225 - Bog Nonstocked 0.8 No

39 4310 - Pine, Oak Mix Sawtimber Well 33.0 111 51-80 N/A

Shelterwood cut Fall 2018. Fair amount of oak regeneration but it is being heavily browsed.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	55	Log	14	111	White Oak	Low	< 5 feet	Sapling
White Pine	45	Log/Pole	10	54	Balsam Fir	Low	Variable	Sapling
					Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
					White Pine	Low	Variable	Sapling

40 4130 - Aspen Sapling Well 6.2 17 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Pin Cherry	2	Sapling	1	
Bigtooth Aspen	95	Sapling	1	17
Black/Red (Hybrid) Oak	3	Sapling	1	

41 4126 - White, Black, N. Pin Oak Sawtimber Well 39.9 114 81-110 N/A

Stand of primarily white oak mixed with white pine. Some black oak throughout stand. Black oak is in heavy decline.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	1	Log	14		White Oak	Low	5 - 10 feet	Sapling
Jack Pine	2	Log	10		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Bigtooth Aspen	1	Log/Pole	10		White Pine	Low	Variable	Sapling
White Oak	62	Log/Pole	12	114	Balsam Fir	Low	Variable	Sapling
Black/Red (Hybrid) Oak	10	Log	14					
White Pine	22	Log/Pole	10					
Red Maple	2	Pole	6					

42 4130 - Aspen Sapling Well 5.1 16 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Sapling	2		White Pine	Low	Variable	Sapling
Balsam Fir	2	Sapling	2		Balsam Fir	Low	Variable	Sapling
Red Maple	15	Sapling	1					
Bigtooth Aspen	81	Sapling	1	16				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
43	6130 - Fir, Aspen, Maple	Poletimber Well	21.4	113	81-110	N/A	Some bumps or pockets of higher ground containing aspen and oak component.																																															
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44	4122 - Oak, Pine	Sawtimber Poor	12.3	112	1-50	N/A	Sale cut Fall 2012																																															
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45	4133 - Aspen, Mixed Pine	Poletimber Well	8.6	40	81-110	N/A	Old notes indicate that stand was harvested in 1982 with a 4" diameter limit spec. Possibly harvest next entry.																																															
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46	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	4.7	102		N/A																																																
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47	623 - Emergent Wetland	Nonstocked	13.9			No																																																
48	6124 - Lowland Spruce-Fir	Poletimber Poor	7.2	110		N/A																																																
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49	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	10.5	112	51-80	N/A																																																
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51	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	8.3	84		N/A																																																
52	4310 - Pine, Oak Mix	Sawtimber Well	58.3	119	81-110	N/A																																																
53	6225 - Bog	Nonstocked	1.4			No																																																
54	6229 - Mixed lowland shrub	Nonstocked	7.6			No																																																
55	4122 - Oak, Pine	Sawtimber Well	21.2	119	81-110	N/A																																																
56	500 - Water	Nonstocked	21.2			No																																																
57	4199 - Other Mixed Upland Deciduous	Poletimber Well	13.9	34	1-50	N/A	Small stand on a peninsula of mixed deciduous with some pine																																															
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58	4122 - Oak, Pine	Sawtimber Well	14.6	115	81-110	N/A	Mixed oak stand with white pine. Black oak is in decline. Stand was thinned/ shelterwood cut in 2006 creating a good understory of maple and pine. Not sure if it's worth cutting the black oak out of it as it would destroy all the understory.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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59 6229 - Mixed lowland shrub Nonstocked 12.3 No

60 500 - Water Nonstocked 4.0 No

61 42260 - Natural Pine, Mixed Deciduous Sapling Medium 10.8 40 51-80 N/A Cut 1982. Older class of white pine with a 40 year old class of mixed hardwoods. A few small bogs within the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	10	Sapling/Pole	4	40	White Pine	Low	Variable	Sapling
White Pine	55	Pole/Log	9	40	Balsam Fir	Low	Variable	Sapling
Red Maple	25	Sapling/Pole	4	40				
Jack Pine	5	Sapling/Pole	4	40				
Quaking Aspen	5	Sapling/Pole	4	40				

62 6224 - Treed Bog Nonstocked 7.4 No

63 42290 - Natural Mixed Pine Sawtimber Well 15.6 51 51-80 N/A Allow Jack pine to put on some more growth before harvesting.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	5	Pole	6	52	White Pine	Low	Variable	Sapling
Jack Pine	25	Pole	6	52	Balsam Fir	Low	Variable	Sapling
Balsam Fir	2	Pole	6					
Bigtooth Aspen	15	Pole	8					
White Pine	53	Log/Pole	12	52				

64 4131 - Aspen, Oak Sawtimber Well 4.2 70 81-110 N/A Small stand of old oak and aspen mixed with some white pine. Oak and aspen are overmature and in decline.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	15	Pole/Log	8	62	White Pine	Low	Variable	Sapling
Black/Red (Hybrid) Oak	40	Log	14	102	Red Maple	Low	10 - 20 feet	Sapling
Bigtooth Aspen	40	Log	14	70	Balsam Fir	Medium	Variable	Sapling
Red Maple	5	Pole/Log	8					

65 42120 - Planted Jack Pine Sapling Well 14.1 28 Immature N/A upland interspersed with lower areas

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Pole	5	
Jack Pine	90	Sapling/Pole	3	28
Red Maple	5	Sapling	3	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
67	4130 - Aspen	Poletimber Well	13.0	43	81-110	N/A	Small, healthy aspen stand.																																						
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68	4310 - Pine, Oak Mix	Sawtimber Well	7.9	112	81-110	N/A	Mixed oak and white pine stand. Some large diameter white oak and white pine scattered around. Black oak is overmature and in heavy decline.																																						
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69	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	51.9	99		N/A																																							
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Balsam Fir	Medium	Variable	Sapling																																										
70	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	3.8	94	51-80	N/A	small narrow stand of upland along private property to north and M-18 to the west and swamp to the east																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>20</td> <td>Pole</td> <td>5</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>20</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>30</td> <td>Log</td> <td>14</td> <td>94</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>20</td> <td>Log</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	20	Pole	5		Bigtooth Aspen	20	Log	12		Northern Pin Oak	30	Log	14	94	Red Maple	10	Pole	6		Red Pine	20	Log	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling				
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71	622 - Lowland Shrub	Nonstocked	3.0			No																																							
72	622 - Lowland Shrub	Nonstocked	26.3			No																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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73	42200 - Natural White Pine	Sawtimber Well	4.1	75	81-110	N/A	Small diameter log, white pine stand. Possibly thin when stand to east it harvested.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Pole/Sapling	5	40	Balsam Fir	
Black/Red (Hybrid) Oak		10	Pole	5		White Pine	
White Pine		80	Log/Pole	10	75	Density	
						Avg. Height	
						Size	

74	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	21.5	39		N/A	wet aspen/red maple site, tag alder heavy in spots
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75	6224 - Treed Bog	Nonstocked	4.2			No	
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76	4310 - Pine, Oak Mix	Sawtimber Medium	3.8	102	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		20	Pole/Log	10		Red Maple	
Black/Red (Hybrid) Oak		30	Log	16	102	White Pine	
Red Pine		15	Pole/Log	10		Red Pine	
Jack Pine		15	Log	12		Balsam Fir	
White Pine		20	Pole	8		Density	
						Avg. Height	
						Size	

77	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	37.2	114	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		5	Pole	6		Tag Alder	
Black Spruce		40	Pole	8	114	Balsam Fir	
Northern White Cedar		15	Pole	6		Density	
White Pine		5	XLog	20	114	Avg. Height	
Paper Birch		5	Pole	6		Size	
Red Maple		30	Pole	8			

78	6132 - Mixed Lowland Forest with Cedar	Sapling Poor	3.2	40	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Paper Birch		25	Sapling	1	40	Balsam Fir	
Northern White Cedar		25	Sapling	2		Tag Alder	
White Pine		10	Sapling	3		Density	
Balsam Fir		20	Sapling	3		Avg. Height	
Quaking Aspen		20	Sapling/Pole	3		Size	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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79	4133 - Aspen, Mixed Pine	Poletimber Well	4.2	40	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling/Pole	4	40
Bigtooth Aspen	40	Pole/Sapling	5	40
Northern Pin Oak	10	Sapling/Pole	4	40
White Pine	38	Pole/Log	9	
Balsam Fir	2	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	Sapling
Balsam Fir	Medium	Variable	Sapling

80	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	2.1	40	1-50	N/A	Low density, mixed stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Pole/Sapling	5	
Black/Red (Hybrid) Oak	20	Pole/Log	8	
Red Maple	40	Pole/Log	8	40
White Pine	35	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Sapling
Balsam Fir	Low	Variable	Sapling

81	4130 - Aspen	Poletimber Well	7.9	30	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Sapling	3	30
White Pine	5	Pole	6	
Bigtooth Aspen	85	Pole/Sapling	5	30
Red Maple	5	Sapling/Pole	4	30

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
White Pine	Low	Variable	Sapling

82	4310 - Pine, Oak Mix	Sawtimber Well	10.8	75	51-80	N/A	Mixed oak and white pine stand. Black oak is in heavy decline. White oak and white pine have nice form and could be crown thinned. A few scattered large white pine.
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Canopy Species	% Cover	Size Class	DBH	Age
White Oak	8	Log	14	
White Pine	50	Log/Pole	10	75
Red Pine	2	Log/Pole	10	
Black/Red (Hybrid) Oak	40	Log	12	95

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
White Pine	Medium	Variable	Sapling
Red Maple	Low	10 - 20 feet	Sapling

83	622 - Lowland Shrub	Nonstocked	2.6			No	
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84	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	4.6	85	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	10	Pole	6	
Quaking Aspen	10	Log	10	
Northern White Cedar	20	Pole	6	
Balsam Fir	20	Pole	6	
White Pine	10	Log	12	
Red Maple	30	Pole	6	85

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
White Pine	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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85	4126 - White, Black, N. Pin Oak	Sawtimber Well	19.5	95	81-110	N/A	Upland mix of oak, white pine and maple. Stand was probably species thinned a long time ago. Hold stand another 10 years to gain some growth out of the maple and aspen. Stand has heavy amounts of maple white pine just under poletimber size throughout the subcanopy that would be heavily damaged if thinned.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Pole/Log	8	
White Oak	25	Log	12	89
Bigtooth Aspen	5	Pole	8	
White Pine	10	Pole	8	52
Red Pine	5	Pole/Log	9	
Black/Red (Hybrid) Oak	35	Log	12	95

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Sapling
Balsam Fir	Low	Variable	Sapling
White Pine	High	Variable	Sapling

86	4130 - Aspen	Poletimber Well	26.0	40	51-80	N/A	cut 1982
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	6	40
White Pine	5	Pole/Log	9	
Bigtooth Aspen	20	Pole	6	
Black/Red (Hybrid) Oak	2	Pole	6	
Quaking Aspen	68	Sapling	2	40

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
White Pine	Low	Variable	Sapling
Pin Cherry	Low	< 5 feet	Sapling

88	122 - Road/Parking Lot	Nonstocked	1.8	2022		No	Powerline ROW
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89	4310 - Pine, Oak Mix	Sawtimber Well	4.1	75	51-80	N/A	Mixed stand of oak, maple and pine. Most black oak has already died.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	50	Log/Pole	10	75
Red Pine	2	Log	14	
Red Maple	23	Pole	8	
White Oak	5	Log	12	
Black/Red (Hybrid) Oak	15	Log	12	120
Jack Pine	5	Log	10	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	High	Variable	Sapling
Red Maple	Medium	10 - 20 feet	Sapling
Balsam Fir	Low	Variable	Sapling

90	629 - Mixed non-forested wetland	Nonstocked	0.9	2022		No	
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91	42210 - Natural Red Pine	Sawtimber Well	4.8	62	111-140	N/A	Somewhat small stand of natural red pine.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	98	Log/Pole	12	63
White Pine	2	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
White Pine	Low	Variable	Sapling
Pin Cherry	Low	< 5 feet	Sapling

93	6127 - Lowland Pine	Sawtimber Well	1.4	112	81-110	N/A	White pine bog
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	100	Log/Pole	13	112

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	Variable	Sapling
Balsam Fir	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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94	4310 - Pine, Oak Mix	Sawtimber Well	4.4	72	81-110	N/A	Driveway trespasses present.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Log	8	72	Balsam Fir	High	Variable	Sapling
Black/Red (Hybrid) Oak	25	Log	12		White Pine	Low	Variable	Sapling
Balsam Fir	5	Pole	6		Red Maple	Medium	10 - 20 feet	Sapling
Red Pine	40	Log/Pole	12	72				
White Pine	10	Log/Pole	12					

95	4319 - Mixed Upland Forest	Poletimber Well	2.1	30	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	40	Sapling/Pole	4	30
White Pine	55	Pole/Sapling	6	30
Black/Red (Hybrid) Oak	5	Sapling	3	30

96	6229 - Mixed lowland shrub	Nonstocked	0.4	0		No	
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97	6127 - Lowland Pine	Sawtimber Well	3.3	70	81-110	N/A	Lowland pine stand. Leather leaf ground cover.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	85	Log/Pole/XLog	12	70	White Pine	Low	Variable	Sapling
Black Spruce	5	Pole	6		Black Spruce	Low	Variable	Sapling
Red Pine	10	Log/Pole	13					