



# Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71071

Entry Year 2022

Acreage: 3,322

County Ogemaw

Management Area: Kirtland's Warbler

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**Revision Date:** 2020-06-02

**Stand Examiner:** Doug Bates

**Legal Description:**

T23N R01E Sections 4-6, 8-10, 14-16

**Identified Planning Goals:**

Maintain current cover types, promote staggered age classes of jack pine vital for the three Kirtland Warblers blocks within the compartment while providing for recreational uses in the off season.

**Soil and topography:**

Mostly well drained sands predominately Grayling and Graycalm Sands. The next highest Croswell. There are portions of poorly drained sands, Au Gres. The terrain is predominately flat with a slight ridge running north/south in the middle of the compartment. A higher water table is found along the west and east sides.

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

The state land mostly is contiguous section blocks with the only inholding surrounded by state land is the Ogemaw County Nature Park. Development is limited on the outskirts. Those immediately adjacent are larger individual land owners for hunting or private residents.

**Unique Natural Features:**

None

**Archeological, Historical, and Cultural Features:**

No Archeological, Historical, or Cultural Features known.

**Special Management Designations or Considerations:**

Area intensively managed for Kirtland's Warblers with three management blocks.

**Watershed and Fisheries Considerations:**

None noted.

**Wildlife Habitat Considerations:**

Kirtland Warbler habitat. Continue to follow the Kirtland's Warbler plan.

**Mineral Resource and Development Concerns and/or Restrictions**

No known potential exists for commercial metallic mineral production in this part of the state. The nearest active sand/gravel pit is greater than five miles away. There is some potential for sand within the compartment, but gravel appears to be limited. The St. Helen and Rose City hydrocarbon fields are both approximately two miles away. The fields are in secondary recovery operations currently. No wells have been drilled within the compartment and there is no current leasing activity. Oil & gas potential within the compartment is considered low at this time.

**Vehicle Access:**

Vehicular access is very good through most of the compartment with numerous county roads along many of the section line boundaries. Rose City Road bisects the stand from west to east and is used by residents of the Clear Lake area. The very easterly portion is limited to vehicle access due a well drain.

**Survey Needs:**

None at this time.

**Recreational Facilities and Opportunities:**

Snowmobile Trail 6/9 occurs on Forest Roads thru the compartment. Dispersed recreational use within the compartment occurs year round for bird watching, berry / mushroom picking, deer hunting and small game hunting. Additional ORV activity is likely within the compartment from surrounding private land owners from St. Helen and Clear Lake residential

areas. Utilize forest management practices to curtail damage by off road vehicle use.

**Fire Protection:**

There is a moderate fire history occurrence in this compartment. There has been a number large fires in this area over the last 30 years. There is larger blocks of high hazard fuels. Wildland-urban interface and forest recreation has been a factor in most of the fire occurrences in the area.

**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**

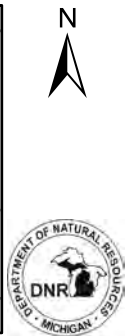
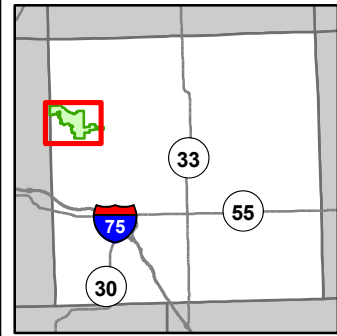
**The following information is displayed, where pertinent, on the attached compartment maps:**

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

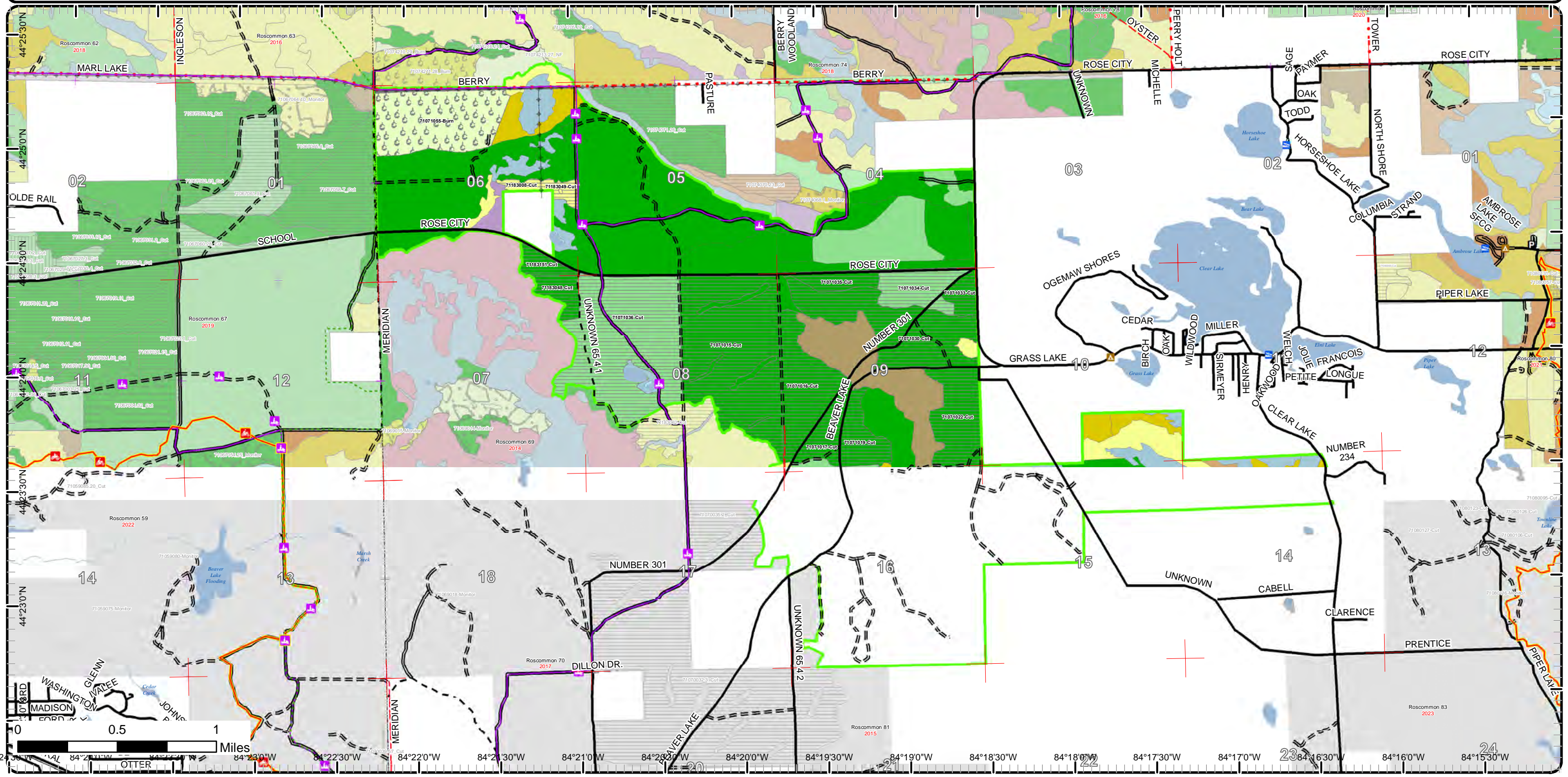


# Cover Type & Treatments Map

Compartment: 71  
 T23N, R01E, Sec. 04-09, 14-17  
 County: Ogemaw  
 Unit: Roscommon  
 Mgmt Area: Kirtland's Warbler  
 YOE: 2022  
 Acres: 3322.1 GIS Calculated  
 Examiner: Doug Bates  
 Map Revised: 2/5/2021  
 Map Phase: Post-Review



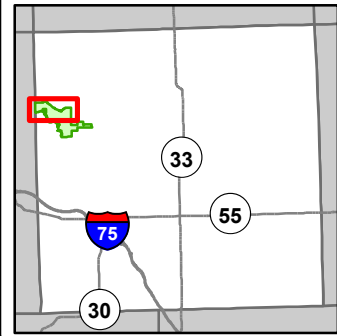
- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🚲 MCCCT Trails
- 🚲 ORV Trails
- 🏠 Snowmobile Trails
- Designated Hiking Trails
- Designated ATV
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- 🚤 Boating Access Site
- 🏕️ Campground
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ⚡ Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- Prescribed Burn



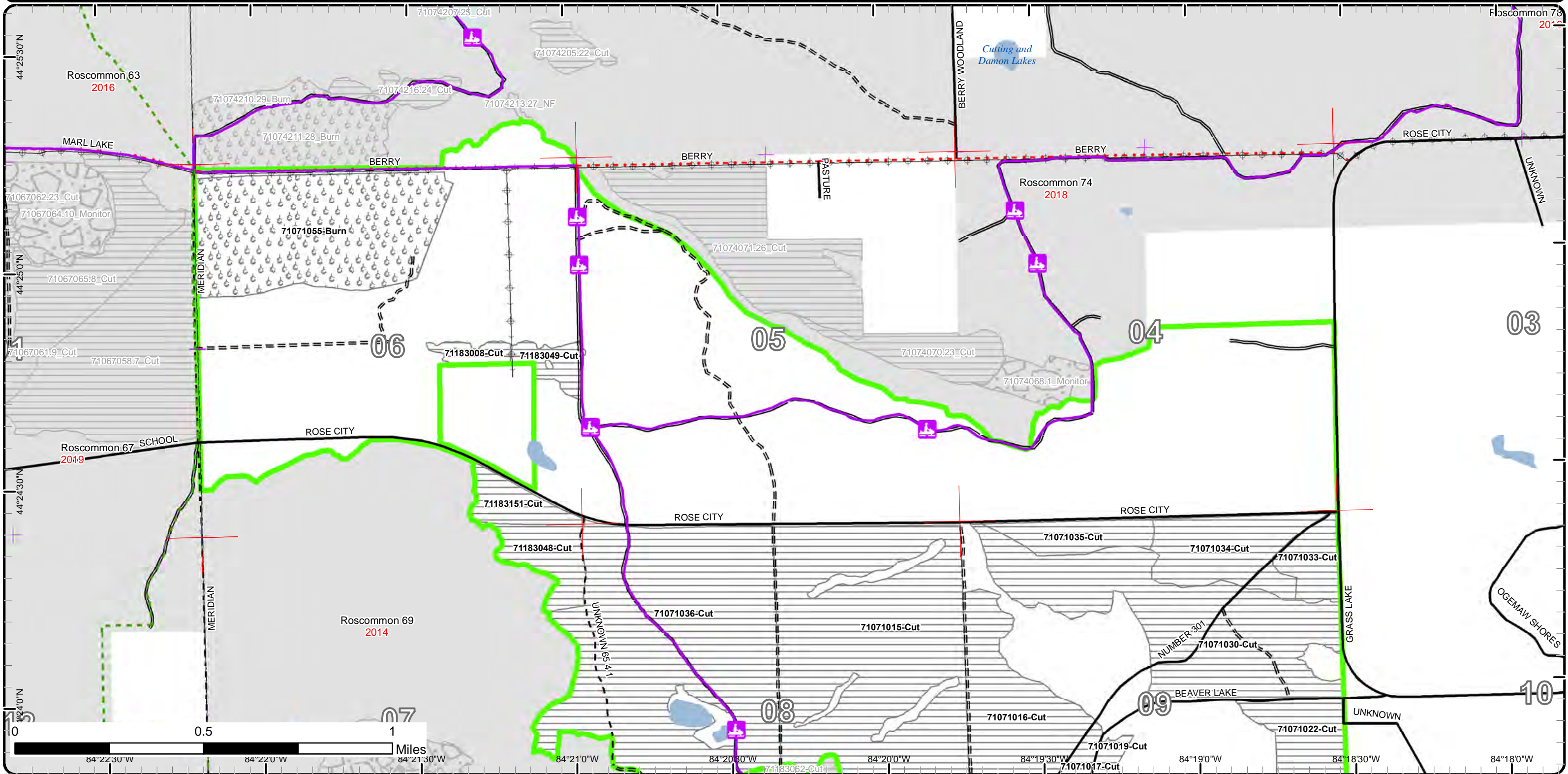


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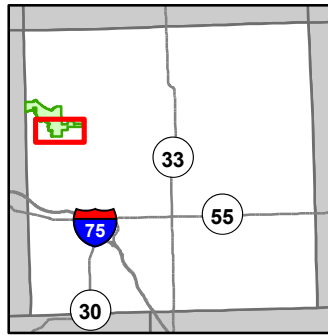
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- Snowmobile Trails
- Designated Hiking Trails
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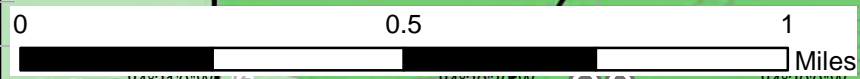
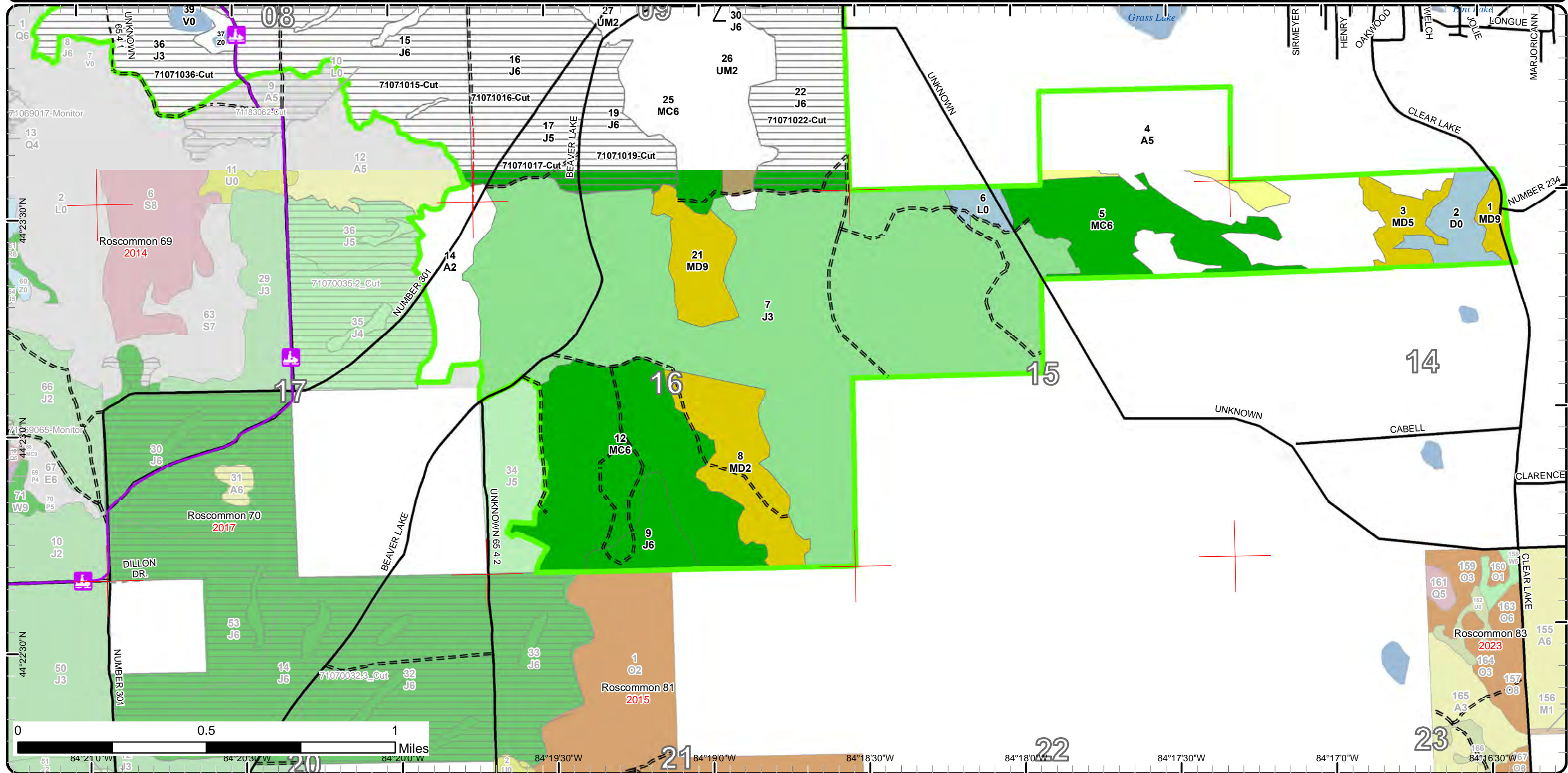


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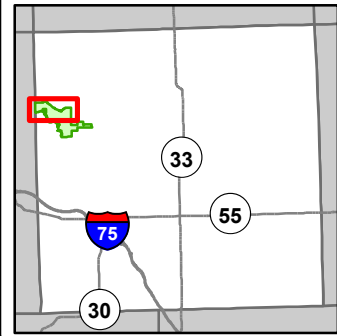
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- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 500 - Water
- 622 - Lowland Shrub



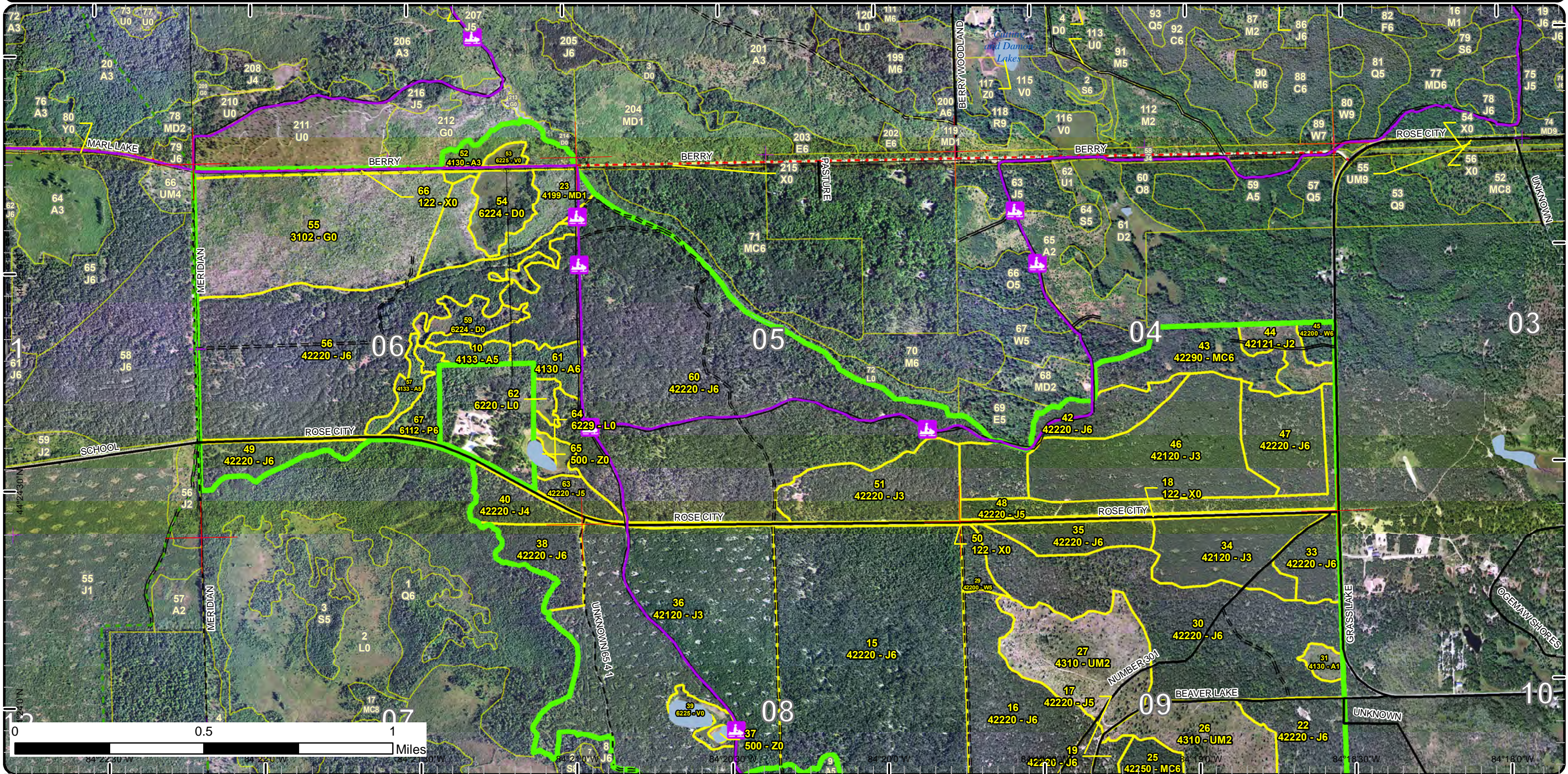


# Stand Boundary Map

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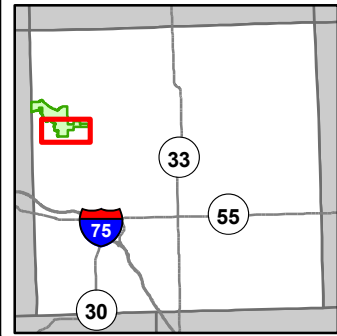
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- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub



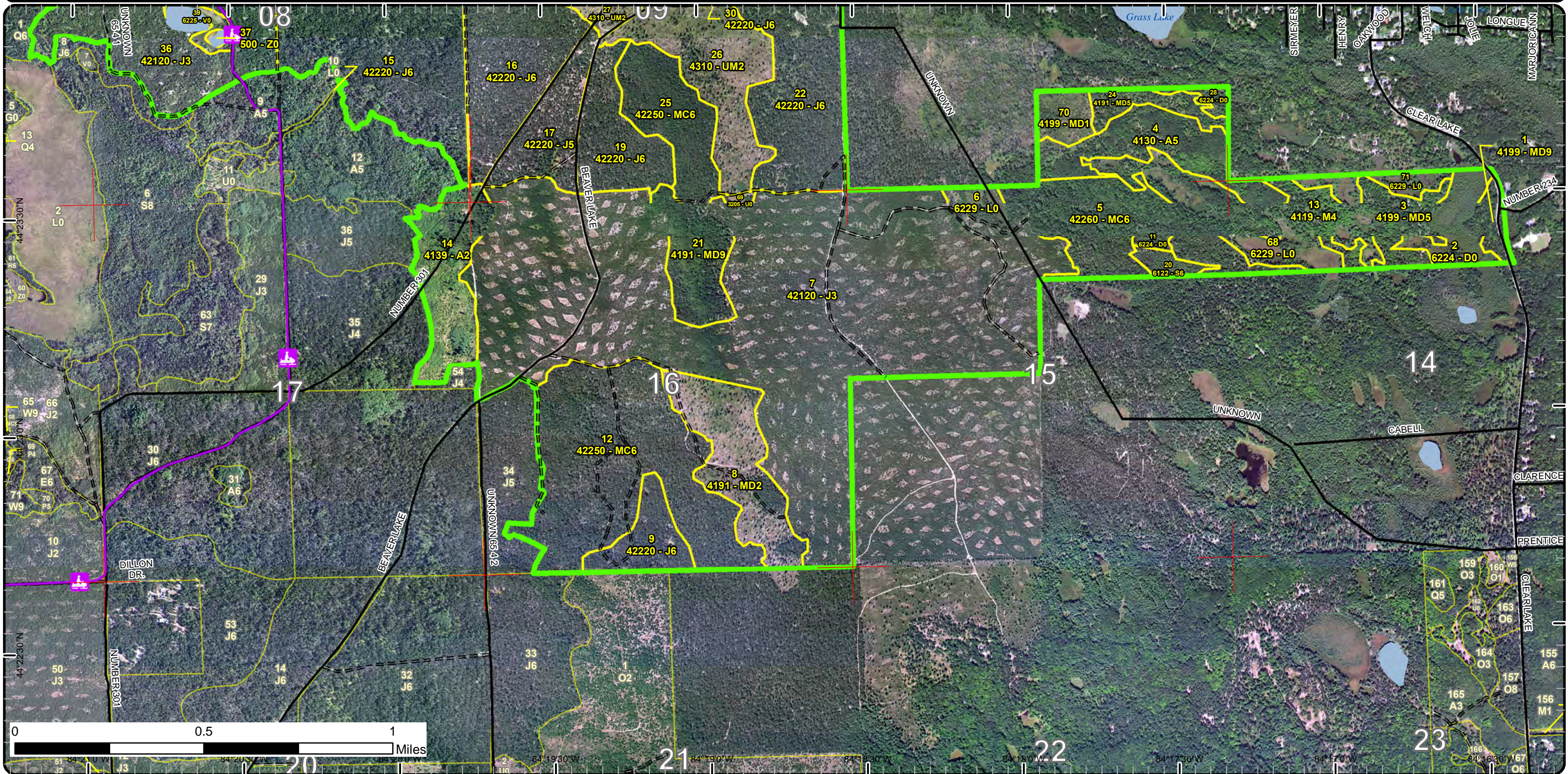


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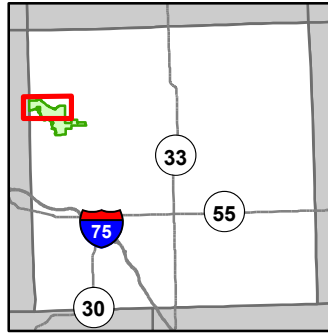
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  - Stand Boundaries
- 411 - Northern Hardwood
  - 413 - Aspen
  - 419 - Mixed Upland Deciduous
  - 421 - Planted Pines
  - 422 - Natural Pines
  - 430 - Upland Mixed Forest
  - 612 - Lowland Coniferous Forest
  - 320 - Upland Shrub
  - 500 - Water
  - 622 - Lowland Shrub



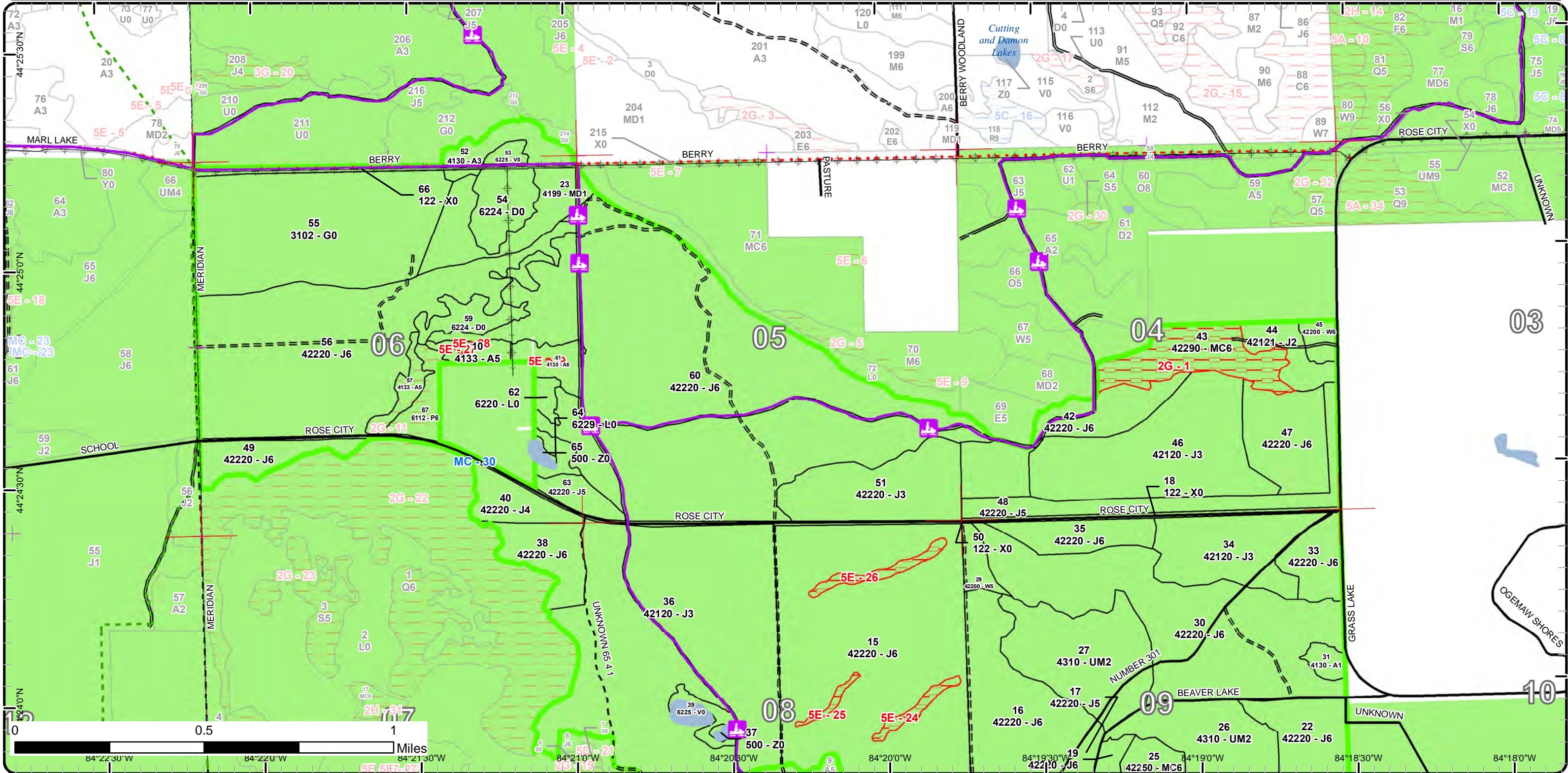


# Special Conservation Areas

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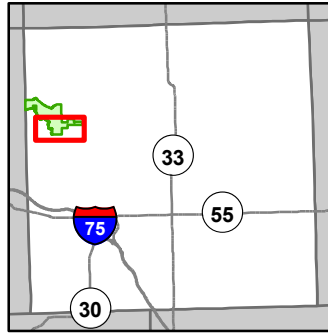
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- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- Kirtland Warbler Habitat



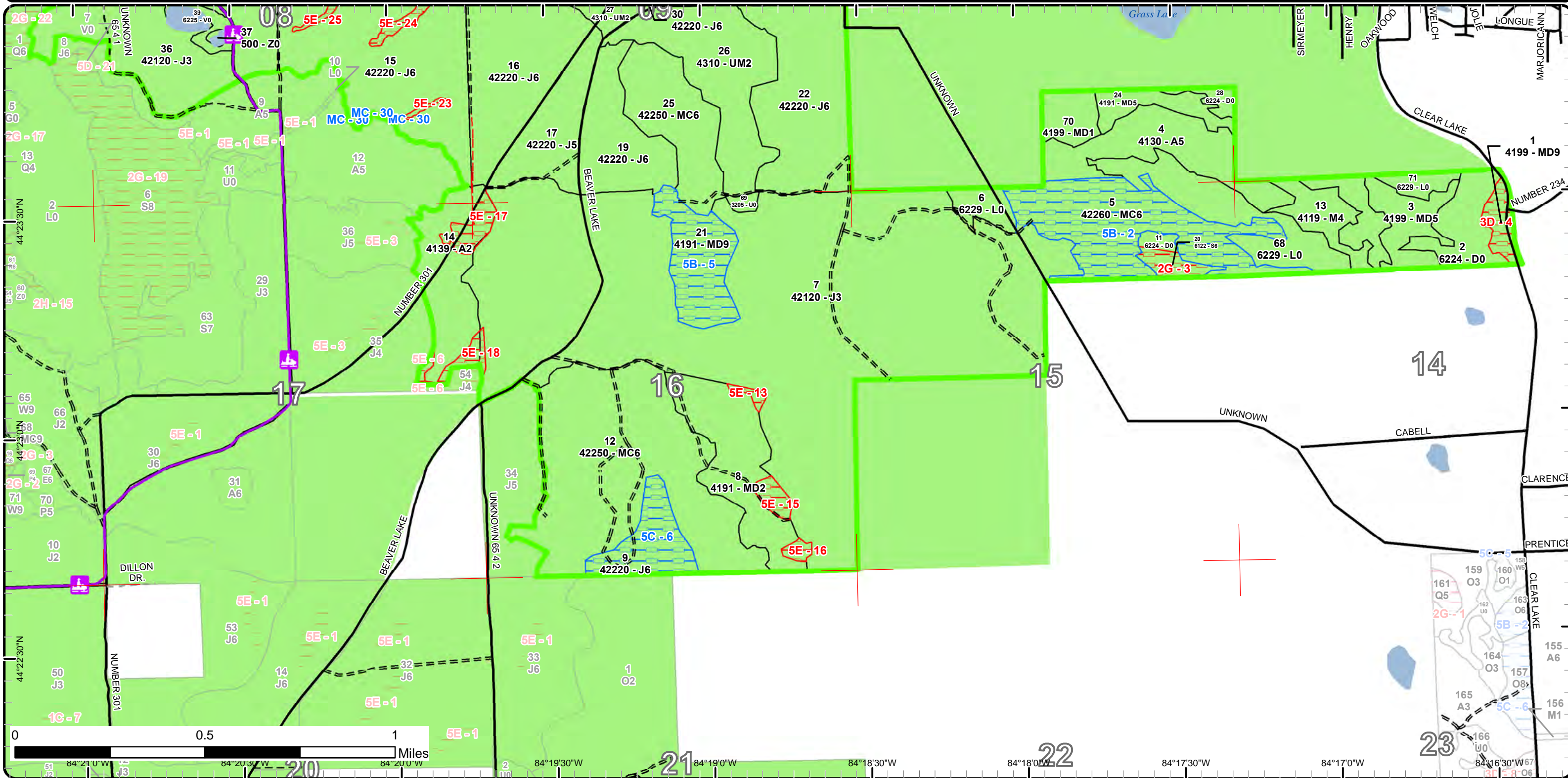


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- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3D: Recreational / Scenic values
- 5E: Long-Term Retention
- Stand Boundaries
- Kirtland Warbler Habitat





# Report 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit  
Doug Bates : Examiner

Compartment 71    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	65	0	0	44	0	14	11	0	0	0	0	0	0	0	0	0	0	134
Bog	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Herbaceous Openland	123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123
Jack Pine	0	0	15	617	388	45	1003	182	0	0	0	0	0	0	0	0	0	0	2249
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	12
Lowland Shrub	78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	0	98	0	0	33	0	0	32	0	0	8	0	0	0	0	0	0	0	171
Natural Mixed Pines	0	0	0	0	0	0	0	287	0	0	0	0	0	0	0	0	0	0	287
Northern Hardwood	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Treed Bog	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63
Upland Mixed Forest	0	121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120
Upland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Urban	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
White Pine	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	14
<b>Total</b>	<b>314</b>	<b>284</b>	<b>15</b>	<b>617</b>	<b>481</b>	<b>45</b>	<b>1029</b>	<b>526</b>	<b>0</b>	<b>6</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3321</b>





## Report 2 – Treatment Summary

Roscommon Mgt. Unit  
Year of Entry: 2022

Compartment 71  
Total Compartment Acres: 3,322

### Acres of Harvest

Commercial Harvest - 954  
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	17	0	0	0	0	0	0	0	0	17
Jack Pine	937	0	0	0	0	0	0	0	0	937
<b>Total</b>	<b>955</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>955</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	955	0	0	0	123	0	0	0	0	1077
Next Step	0	1060	535	0	0	0	1489	0	0	3084
<b>Total</b>	<b>955</b>	<b>1060</b>	<b>535</b>	<b>0</b>	<b>123</b>	<b>0</b>	<b>1489</b>	<b>0</b>	<b>0</b>	<b>4162</b>





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:**

<b>16</b>	<b>71071016-Cut</b>	84.9	42220 - Natural Jack Pine	Poletimber Well	62	51-80	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest all species to a 2 inch d.b.h.. Do not chip and scattered the residual tops evenly over the stand so can be disked to promote natural jack pine regeneration. Place in one horizontal skip retention islands totaling approximately 2% of stand area.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack pine to KW stocking 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>											
<b>17</b>	<b>71071017-Cut</b>	33.9	42220 - Natural Jack Pine	Poletimber Medium	63	51-80	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest all species to a 2 inch d.b.h.. Do not chip and scattered the residual tops evenly over the stand so can be disked to promote natural jack pine regeneration.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> natural jack pine to KW stocking guidelines</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>											
<b>19</b>	<b>71071019-Cut</b>	39.0	42220 - Natural Jack Pine	Poletimber Well	66	51-80	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest all species to a 2 inch d.b.h.. Do not chip and scattered the residual tops evenly over the stand so can be disked to promote natural jack pine regeneration.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> natural jack pine to KW guidelines</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>											
<b>22</b>	<b>71071022-Cut</b>	73.0	42220 - Natural Jack Pine	Poletimber Well	57	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest all species to a 2 inch d.b.h.. Do not chip and scattered the residual tops evenly over the stand so can be disked to promote natural jack pine regeneration. Place in one horizontal skip retention islands totaling approximately 2% of stand area.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack pine to KW stocking 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>											



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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
<b>30 71071030-Cut</b>	133.5	42220 - Natural Jack Pine	Poletimber Well	57	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest all species to a 2 inch d.b.h.. Do not chip and scattered the residual tops evenly over the stand so can be disked to promote natural jack pine regeneration. Place in two horizontal skip retention islands totaling 3-5% of stand area.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> natural jack pine to KW stocking levels</p> <p><u>Regen:</u></p> <p><u>Other</u> See Draft Treatment Notes comment.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
<b>33 71071033-Cut</b>	18.3	42220 - Natural Jack Pine	Poletimber Well	33	1-50	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest all species to a 2 inch d.b.h.. Do not chip and scattered the residual tops evenly over the stand so can be disked to promote natural jack pine regeneration.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> natural jack pine to KW stocking 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>										
<b>34 71071034-Cut</b>	44.1	42120 - Planted Jack Pine	Sapling Well	28	Immature	Harvest	Clearcut	4212 - Planted Jack Pine	Even-Aged	No
<p><u>Prescription</u> final harvest all species to a one inch diameter and chip for subsequent replanting operations.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> planted jack pine to KW stocking levels and weave pattern</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>										
<b>35 71071035-Cut</b>	19.7	42220 - Natural Jack Pine	Poletimber Well	33	1-50	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest all species to a 2 inch d.b.h.. Do not chip and scattered the residual tops evenly over the stand so can be disked to promote natural jack pine regeneration.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> jack pine to KW stocking 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>										



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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
<b>36 71071036-Cut</b>	224.7	42120 - Planted Jack Pine	Sapling Well	33	Immature	Harvest	Clearcut	4212 - Planted Jack Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest all species to a 1 inch diameter and chip for subsequent planting operations.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Planted to KW stocking levels and pattern.</p> <p><u>Regen:</u></p> <p><u>Other</u> Place in snowmobile trail protection specifications.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
<b>55 71071055-Burn</b>	122.9	3102 - Grass	Nonstocked	0	Unspecified	Burn	Opening	310 - Herbaceous Openland		No
<p><u>Prescription</u> Sequential prescribed burns to manage as a pine barrens and promote native grasses and wildflowers.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u> Manage with Stand 211 in Compartment 74 immediate across Barry Trail to north.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										

**Approved Treatments:**

<b>15 71071015-Cut</b>	226.8	42220 - Natural Jack Pine	Poletimber Well	56	51-80	Harvest	Clearcut	4212 - Planted Jack Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest all species to 2 inches except red pine. Leave all super-canopy red pine. Place retention as "fire whirls" within stand between 5-10 percent. Chip all slash.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> KW plantation</p> <p><u>Regen:</u></p> <p><u>Other</u> Using KW guidelines, trench site in 2024 and plant in spring 2025.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</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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10	71183008-Cut	6.6	4133 - Aspen, Mixed Pine	Poletimber Medium	56		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Final harvest all species to two inch except the red pine. Red pine mark down to 100 BA. Put some small retention pockets around wet  
Specs: depressions. Put in drumming log spec.

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

Acceptable aspen  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2017

38	71183048-Cut	23.0	42220 - Natural Jack Pine	Poletimber Well	56	Unspec ified	Harvest	Clearcut	4212 - Planted Jack Pine	Even-Aged	No
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Prescription Final harvest all species to 2 inches. Do not cut any super-canopy red pine. Chip slash and no retention.  
Specs:

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

Acceptable KW plantation  
Regen:

Other Trench site in 2024 and plant with jack pine in spring 2025. Do per KW guidelines.  
Comment:

Site Condition

Proposed Start Date: 10/1 /2021

61	71183049-Cut	10.8	4130 - Aspen	Poletimber Well	61		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
----	--------------	------	--------------	-----------------	----	--	---------	-------------------------	-------------	-----------	----

Prescription Final harvest all species to two inches. Place a 3% retention island in middle. Cut during dormancy to stimulate regen. Will need to be  
Specs: done prior to December 1 because only access is snowmobile trail. Put in drumming log spec.

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

Acceptable aspen with other mixed deciduous.  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2017

40	71183151-Cut	16.2	42220 - Natural Jack Pine	Poletimber Poor	40	1-50	Harvest	Clearcut	4212 - Planted Jack Pine	Even-Aged	No
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Prescription Final harvest all species to 2 inches. Chip site, no retention.  
Specs:

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

Acceptable KW plantation.  
Regen:

Other Trench site in 2024 and to be planted to KW specifications in spring 2025  
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
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Total Treatment Acreage Proposed: 1077.4



## Report 4 – Site Conditions

Roscommon Mgt. Unit  
Doug Bates : Examiner

Compartment: 71  
Year of Entry: 2022

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions					
		With Condition	Not Available		5B	5C	MC	2G	3D	5E
134	116	0	18	Aspen				7		11
12	12	0	0	Bog						
123	123	0	0	Herbaceous Openland						
2248	2210	24	14	Jack Pine		24	0			14
12	0	0	12	Lowland Aspen/Balsam Poplar				12		
78	78	0	0	Lowland Shrub						
6	0	0	6	Lowland Spruce/Fir				6		
171	123	32	16	Mixed Upland Deciduous	32				8	8
287	180	71	36	Natural Mixed Pines	71			36		
16	16	0	0	Northern Hardwood						
63	63	0	0	Treed Bog					0	
121	121	0	0	Upland Mixed Forest						
2	2	0	0	Upland Shrub						
32	32	0	0	Urban						
3	3	0	0	Water						
14	14	0	0	White Pine						
3,322	3,093	127	103	Total Forested Acres	103	24	0	60	8	34
	93%	4%	3%	Relative Percent						

*\*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	36	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Available	5B: Maintain for regeneration purposes	71	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Roscommon Mgt. Unit

Doug Bates : Examiner

Compartment: 71

Year of Entry: 2022

3	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	6	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	<b>3D: Recreational / Scenic values</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	32	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	24	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



### Report 4 – Site Conditions

Roscommon Mgt. Unit  
Doug Bates : Examiner

Compartment: 71  
Year of Entry: 2022

16	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



## Report 4 – Site Conditions

Roscommon Mgt. Unit  
Doug Bates : Examiner

Compartment: 71  
Year of Entry: 2022

27	Unavailable	5E: Long-Term Retention	0	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
28	Unavailable	5E: Long-Term Retention	0	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
29	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
30	Available	Minor Change in Acreage	0				
<b>Comments:</b>							



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
<b>Comments</b>				





### Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
1	4199 - Other Mixed Upland Deciduous	Sawtimber Well	8.4	99	81-110	N/A	Long narrow strip between a paved county road and swamp. The oak and aspen are over mature but other species are coming in. Be very difficult to treat, it would need a culvert for the deep ditch and fill to access the small stand. It is across the street from the Foster Township Hall and park being best suited for scenic values.																																												
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2	6224 - Treed Bog	Nonstocked	21.9	0	Unspecified	No	Treed leatherleaf bog with scattered white pine and black spruce.																																												
3	4199 - Other Mixed Upland Deciduous	Poletimber Medium	19.7	37	51-80	N/A	Stand with some stump sprouted maple and oaks, not as much as the stand to the west. Small aspen clone along the west side. There is a light amount of white pine regeneration in the understory and some maple but mostly it is open ground. Some old fence grown in amongst the trees. Couple wet bowls.																																												
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4	4130 - Aspen	Poletimber Medium	43.5	37	81-110	N/A	Pockets of decent dense aspen regeneration broken up by sparse open scattered cherry, oak and white pine. Maple is the predominate regeneration. Narrow gauge rail bed over on the east side.																																												
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5	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	71.1	68	111-140	N/A	Suppressed white pine mid-canopy with a fair amount of super canopy red and white pine. Scattered narrow wetlands scattered throughout the pine running generally east/west. The high ground between the swales, within the central portion of the stand, contains the majority of the super canopy pine. Heavy red maple on the north edge and transitions to spruce and jack pine to the south. With the amount of regeneration in areas and the numerous wet swales that would require a frozen harvest, this stand would best be left for diversity. Has a narrow gauge rail bed bisecting the stand.																																												
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6	6229 - Mixed lowland shrub	Nonstocked	9.4	0		No	Has two separate trails that go through it and are an RDR issue but would need to have a culvert and fill brought in to create a crossing to get to the higher dry stands further east. Small pockets of high ground on the north and south ends of the wet swale that are saw class jack pine with jack and white pine understory. Not enough there to treat best left as a buffer.																																												
7	42120 - Planted Jack Pine	Sapling Well	488.1	20	Immature	N/A																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
8	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	54.1	9	Immature	N/A																																																							
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9	42220 - Natural Jack Pine	Poletimber Well	23.6	66	51-80	N/A	Mostly solid jack pine with a few depressions scattered about. Hold and cut with Stand 12 when it reaches maturity next YOE.																																																						
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10	4133 - Aspen, Mixed Pine	Poletimber Medium	6.8	56		N/A	Humucky stand with some shallow wet depressions at certain times of the year. Mix with poor quality aspen. The aspen is being edged out by maple and white pine. Will need to treat to keep aspen component. There is a couple acres of red pine saw class planted along the south line. Final harvest																																																						
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Red Pine	1	Log/Pole	11																																																										
11	6224 - Treed Bog	Nonstocked	2.8	0	Unspecified	No	Wetland drainages with a mix of white pine, balsam fir, and spruce lining the edges. Not a forested stand though. Old railroad grade goes through it.																																																						
12	42250 - Pine, Oak	Poletimber Well	137.2	62	81-110	N/A	Slightly smaller diameter jack pine from adjacent. Little younger but also a high competition from mature oaks in over story. Both jack pine and oak regeneration throughout. Oak is over mature and starting to fail.																																																						
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13	4119 - Mixed Northern Hardwoods	Poletimber Poor	15.9	37	1-50	N/A	Very open stand with pretty much 90+ percent of the overstory regenerated from the stumps. The trees are in multi-stemmed clumps all over. The understory is free of any regeneration too. Couple real small wet depression in stand too.																																																						
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14	4139 - Aspen, Mixed Deciduous	Sapling Medium	45.2	9	Immature	N/A	Poorly regenerating stand with lots of open areas outside of the aspen clones with just scattered pine cherry and some jack pine.																																													
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15	42220 - Natural Jack Pine	Poletimber Well	239.9	56	51-80	N/A	Pole size jack pine stand with pockets of saw class scattered about, but mainly poles mixed with sapling sizes in canopy. The red pine are super-canopy survivors of previous wildfires. Mixed oak regeneration found all over the stand in the moderate to heavy amounts. The north 1/3rd contains more pole oaks and some white pine in the overstory mixed with jack pine. About a 50/50 mix. The oaks are poor quality.																																													
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16	42220 - Natural Jack Pine	Poletimber Well	84.9	62	51-80	N/A	Fairly decent Jack pine stand. The northern third is mainly where the saw sized Jack pine is located. As you go south the quality and size of the pine diminish. Small pocket of large oaks at the very southern tip.																																													
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17	42220 - Natural Jack Pine	Poletimber Medium	33.9	63	51-80	N/A	Sparser stand. The canopy closure is at the higher end but the basal area is at the lower because the jack pine are big puffy ball of branches in a lot of the more open areas.																																													
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18	122 - Road/Parking Lot	Nonstocked	8.6	0	Unspecified	No	Rose City Road																																													
19	42220 - Natural Jack Pine	Poletimber Well	39.0	66	51-80	N/A	Better stand, higher basal areas and bigger diameters. Fair amount of regeneration of oak in understory.																																													
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20	6122 - Black Spruce	Poletimber Well	6.1	88	51-80	N/A	Leatherleaf ground cover with a black spruce cover type. The stand is in a depression. The spruce is slow growing with a fair amount of spruce saplings, Hardly any spruce is of log size. There is a high ridge of old jack pine along the north line.																																													
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21	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	31.9	66	111-140	N/A	Nice quality aspen on the top of a ridge with red pine on the outer perimeter. Older oak scattered about. Trace amount of oak understory with heavier amounts of red maple especially under the Aspen. The small clone on the nw corner is quaking, but the rest is bigtooth.																																						
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22	42220 - Natural Jack Pine	Poletimber Well	73.0	57	81-110	N/A	Predominately a pole size stand. The oak is over mature saw class. There are areas where the jack pine is mostly saw sizes but these are smaller in size and scattered about. Decent amount of oak in the understory.																																						
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23	4199 - Other Mixed Upland Deciduous	Sapling Poor	31.3	8	Immature	N/A	This was the portion of stand 5 involved in the wildfire in the spring 2013. Numerous snags of varying sizes. Very little regeneration so far of jack pine. Scattered oak sprouting up but the vast majority of the regrowth is pin cherry. The stand grades into the bog that lies in the middle and is a major reason why it would be best just to.. the stand regenerate as is. Do not include this stand with the barrens burn stand to the west. With the numerous wet spots within the stand, this would make control line construction difficult and could lead to mop-up issues.																																						
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24	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	13.4	37	1-50	N/A	Small amount of oak along the north line with scattered bushy white pine throughout. The predominate cover type is the white pine followed closely by pin cherry and then by red maple. Fairly open stand with little seedling/saplings.																																						
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25	42250 - Pine, Oak	Poletimber Well	43.1	62	81-110	N/A	Mix of oak and jack pine along a ridge.																																						
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<b>26</b>	4310 - Pine, Oak Mix	Sapling Medium	60.7	9	Immature	N/A	.Good natural regeneration with a mix of oak and jack pine. Slightly more oak than pine.																																													
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<b>27</b>	4310 - Pine, Oak Mix	Sapling Medium	59.8	9	1-50	N/A	Natural regenerating stand that is coming back really well. Some open spots that are slowly filling in. Seem to be just a tad more oak than jack pine. Some scattered oaks and white pine also out there in the pole sizes but not enough to count.																																													
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<b>28</b>	6224 - Treed Bog	Nonstocked	4.5	0		No	Bog with some white pines along the edges and the narrow ridges of high ground that finger into the low areas.																																													
<b>29</b>	42200 - Natural White Pine	Poletimber Medium	7.6	62	81-110	N/A	White pine pole stand with over mature oaks mixed in.																																													
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<b>30</b>	42220 - Natural Jack Pine	Poletimber Well	133.5	57	81-110	N/A																																														
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<b>31</b>	4130 - Aspen	Sapling Poor	5.2	9	Immature	N/A	Only small aspen clone on the west end. Very sparse/poor regeneration. Barely meets forested criteria.																																													
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<b>33</b>	42220 - Natural Jack Pine	Poletimber Well	18.3	33	1-50	N/A	Part of the Refuge Fire that came back naturally.																																													
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<b>34</b>	42120 - Planted Jack Pine	Sapling Well	44.1	28	Immature	N/A	PLANTED 1993																																				
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<b>35</b>	42220 - Natural Jack Pine	Poletimber Well	19.7	33	1-50	N/A	Part of the Refuge Fire that regenerated naturally.																																				
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<b>36</b>	42120 - Planted Jack Pine	Sapling Well	224.8	33	Immature	N/A	Stand planted in 1988. Fair amount of 4 inch trees with some 5 inches but overall still in the 3 inch range.																																				
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<b>37</b>	500 - Water	Nonstocked	1.2		Unspecified	No																																					
<b>38</b>	42220 - Natural Jack Pine	Poletimber Well	22.9	56	Unspecified	N/A	Jack pine stand with a few super canopy red pine.K.WARBLER STND. CUT BLK 2.																																				
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<b>39</b>	6225 - Bog	Nonstocked	8.5		Unspecified	No																																					
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Jack Pine	100	Pole/Sapling	6	40																																							
<b>42</b>	42220 - Natural Jack Pine	Poletimber Well	39.8	33	51-80	N/A	Part of refuge fire natural regeneration. Good percentage of lower ground with jack pine growing in it. West half of stand is lower in elevation and is solid jack pine. The east half has white and red pine with small aspen clones. Slightly higher elevation.																																				
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<b>43</b>	42290 - Natural Mixed Pine	Poletimber Well	36.0	60	81-110	N/A	Mixed stand with several vernal ponds/wet drainages scattered about the stand. Find the paper birch around the pond's perimeter. Regeneration is not great. Some jack pine, white pine, and maple scattered about but not measurable. Leave this stand from future treatments because of all the buffering that would need to be done around the wet areas.																																													
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<b>44</b>	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Medium	14.8	15	Immature	N/A	Planted to jack pine that are not as concentrated so the diameters are larger than other plantations at this age. Aspen clones in the back and on the south end.																																													
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<b>45</b>	42200 - Natural White Pine	Poletimber Well	6.2	64	81-110	N/A	Predominately a pole sized white pine stand with some super canopy white pines on the edges of wet ground. There are a couple wet/vernal pools in the area south of the two-trach and along the west line. Heavy white pine sapling growth in the mid-canopy that would be damaged by a treatment. This stand would best be left to manage itself and be used as a visual buffer.																																													
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<b>46</b>	42120 - Planted Jack Pine	Sapling Well	85.0	28	Immature	N/A	PLANTED 1993. Part of Refuge Fire.																																													
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<b>47</b>	42220 - Natural Jack Pine	Poletimber Well	35.6	33	1-50	N/A	Part of refuge fire natural regeneration. Came back good and dense.																																													
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<b>48</b>	42220 - Natural Jack Pine	Poletimber Medium	32.8	57	51-80	N/A	Part of fuelbreak system that was not treated last YO. Very low quality natural jack pine. No very large diameters for age. The pine is also short and branchy.																																													
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49	42220 - Natural Jack Pine	Poletimber Well	18.9	43	51-80	N/A	On the lower end of the canopy closure percentage and basal area on most of the stand. The southern edge is denser and contains the balsam fir, maple, and some spruce as it grades into to the lower ground elevation.																																								
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50	122 - Road/Parking Lot	Nonstocked	13.5		Unspecified	No	Rose City Rd.																																								
51	42220 - Natural Jack Pine	Sapling Well	49.6	31	Immature	N/A	Site of refuge road fire 1989. Year of origin is 1990. Dense natural jack pine regeneration with stump sprouted oaks mixed in. The regeneration in the understory is seeded oaks.																																								
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52	4130 - Aspen	Sapling Well	15.1	8	Immature	N/A	Formerly an A6 stand that was had the parent stand burnt in a wildfire in 2013. It has regenerated back thick to aspen again.																																								
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53	6225 - Bog	Nonstocked	3.3	57	1-50	No	Leatherleaf bog.																																								
54	6224 - Treed Bog	Nonstocked	18.9	57	1-50	No	Bog jack pine																																								
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55	3102 - Grass	Nonstocked	122.9	0	Unspecified	No	This was the portion of stand 5 involved in the wildfire in the spring 2013. Numerous snags of varying sizes. Very little regeneration so far of jack pine. Along the north line there are several clumps of aspen regenerating clones. Small in size though, 1/2 acre or less in size for each. Some pockets of oak sprouting up also scattered about. The jack pine consists of a handful of sprigs here and there poking out of the sedge. Wildlife Division wishes to manage this as a pine barrens through the use of sequential prescribed burning to promote native wildflowers and grasses. Manage in conjunction with Stand 211 in Compartment 74 just on immediate north side of Barry Trail.																																								
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56	42220 - Natural Jack Pine	Poletimber Well	157.6	57	51-80	N/A	Natural jack pine stand created by a 1964 wildfire. Some saw class jack here and there that survived the fire. Many open areas throughout the stand devoid of pine with just some pin cherry mixed in with sedge. The pine as a whole is poor quality. Areas with smaller sized poles with sapling sizes in the overstory. Several mortality pockets of pine also. Within the KW management area. On the low end of the canopy closure. Few small Aspen clones scattered throughout.																																								
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<b>57</b>	4133 - Aspen, Mixed Pine	Poletimber Medium	7.5	56		N/A	Poor quality aspen stand on higher ground. Several areas of sparse regeneration. Some white and jack pine mixed in. Maple second predominate species.																																													
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<b>59</b>	6224 - Treed Bog	Nonstocked	15.0	0	Unspecified	No	Leatherleaf bog with scattered jack pine																																													
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<b>60</b>	42220 - Natural Jack Pine	Poletimber Well	342.5	57	51-80	N/A	Natural jack pine stand that is two aged with the youngest being the regeneration from a 1964 wildfire. The sawlog size jack pine is from the pre-burnt stand and is roughly 85 years old. Numerous small open grass pockets fragmenting the stand and brings the canopy closure down to the lower end of the scale. These grass pockets have seedling size jack pine scattered in them. Along the east half, have a mix of oak, red and white pine mixed in with the jack pine. The regeneration here in the understory is either heavy red or white pine dependent on the pine overstory. The oak is still good with regeneration of it all over the stand. When harvest leave some of the large oaks for mast and red pine for visual.																																													
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<b>61</b>	4130 - Aspen	Poletimber Well	11.0	61		N/A	Poor quality aspen stand with 4-5 stick trees cauliflowering out at the top. No regeneration other then red maple. Treat and do during dormancy. Handful of jack pine and white pine sapling scattered about.																																													
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<b>62</b>	6220 - Alder/willow	Nonstocked	4.1	0	Unspecified	No																																														
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<b>63</b>	42220 - Natural Jack Pine	Poletimber Medium	9.8	40	1-50	N/A																																														
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<b>64</b>	6229 - Mixed lowland shrub	Nonstocked	5.6		Unspecified	No																																														
<b>65</b>	500 - Water	Nonstocked	1.5		Unspecified	No																																														
<b>66</b>	122 - Road/Parking Lot	Nonstocked	10.3	0	Unspecified	Managed Opening	Berry Trail county road on north side of stand and Overhead powerline and its clearing on the south side of the stand.																																													





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
<b>67</b>	6112 - Lowland Aspen	Poletimber Well	11.8	56		N/A	Humucky stand with some shallow wet depressions at certain times of the year. Mix with poor quality aspen. The aspen is being edged out by maple and white pine. There is a couple acres of red pine saw class planted along the south line.																																									
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<b>68</b>	6229 - Mixed lowland shrub	Nonstocked	39.1	0	Unspecified	No	Leatherleaf bog with outer perimeter of large 18+ inch red pine and white. Leave pine for bank protection.																																									
<b>69</b>	3205 - Mixed Upland Shrub	Nonstocked	2.2	41	1-50	No	The part of the stand to the northeast was cut in 1980 and didn't regenerate. The part to the southwest was left out of the large KW cut. It looks like it could have some historical significance and may be an old homestead.																																									
<b>70</b>	4199 - Other Mixed Upland Deciduous	Sapling Poor	12.5	7	Immature	N/A	This area was burnt in the spring of 2013 from a wildfire that started on private property to the north. The fire that impacted the soils and resulted in poor regeneration. Mostly pin cherry coming back, average 1 inch diameter. Just a handful of small aspen pockets. Site should be converted to planted pine.																																									
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<b>71</b>	6229 - Mixed lowland shrub	Nonstocked	19.7	0	Unspecified	No	Lowland marsh bowls with some scattered white pines along the edges and narrow high ground ridges between the bowls.																																									