



# Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71142

Entry Year 2019

Acreage: 1,702

County Roscommon

Management Area: Upper Muskegon

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**Revision Date:** 2017-08-02

**Stand Examiner:** Jason Lewicki

**Legal Description:**

T21N, R03W sections 4, 5 and 8.

**Identified Planning Goals:**

Vegetation management in the Upper Muskegon management area (MA) 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 consist of Graycalm-Grayling Sands and AuGres-Kinross-Croswell Complex. Lowlands are dominated by Tawas-Leafriver muck.

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

Much of this compartment and the surrounding area is under state ownership.

**Unique Natural Features:**

None known

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

There is a archeological site within the compartment.

**Special Management Designations or Considerations:**

None

**Watershed and Fisheries Considerations:**

Several branches of Wolf Creek flow through Compartment 142. BMPs should be followed for timber treatments near the streams and their associated wetlands.

**Wildlife Habitat Considerations:**

Maintain ecosystem diversity in the compartment via habitat manipulation to benefit game species such as deer, grouse, rabbits, and turkeys as well as non-game species.

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

A sand/gravel pit is located three miles to the northwest, and there are some uplands in sections 5 & 8 that have good potential sand and gravel. Headquarters Field is located one mile to the south. The field has produced over 11.3 million BO and 4.2 Bcf gas primarily from the Devonian Richfield Formation and is in secondary recovery operations currently. The field is not expected to expand. All of the parcels in the compartment are currently leased by Marathon. However, Marathon has indicated they are leaving the state and have begun the process of releasing all of their remaining leases that are not held by production. There is no known metallic mineral potential in this part of the state.

**Vehicle Access:**

Vehicle access is very good with multiple county roads and numerous forest roads.

**Survey Needs:**

None

**Recreational Facilities and Opportunities:**

This compartment contains portions of the Houghton Lake snowmobile trail 6, 655, Denton Creek 50" ATV trail and Lost Twin Lakes non-motorized pathway. This compartment is also heavily used for dispersed recreation such as hunting and gathering due to good vehicle access. Continue to utilize forest management efforts to address resource damage areas.

**Fire Protection:**

This compartment has high hazard fuels within the compartment.

**Additional Compartment Information:**

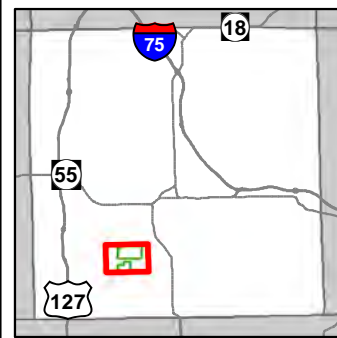
The following reports from the Inventory are attached:

- 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**

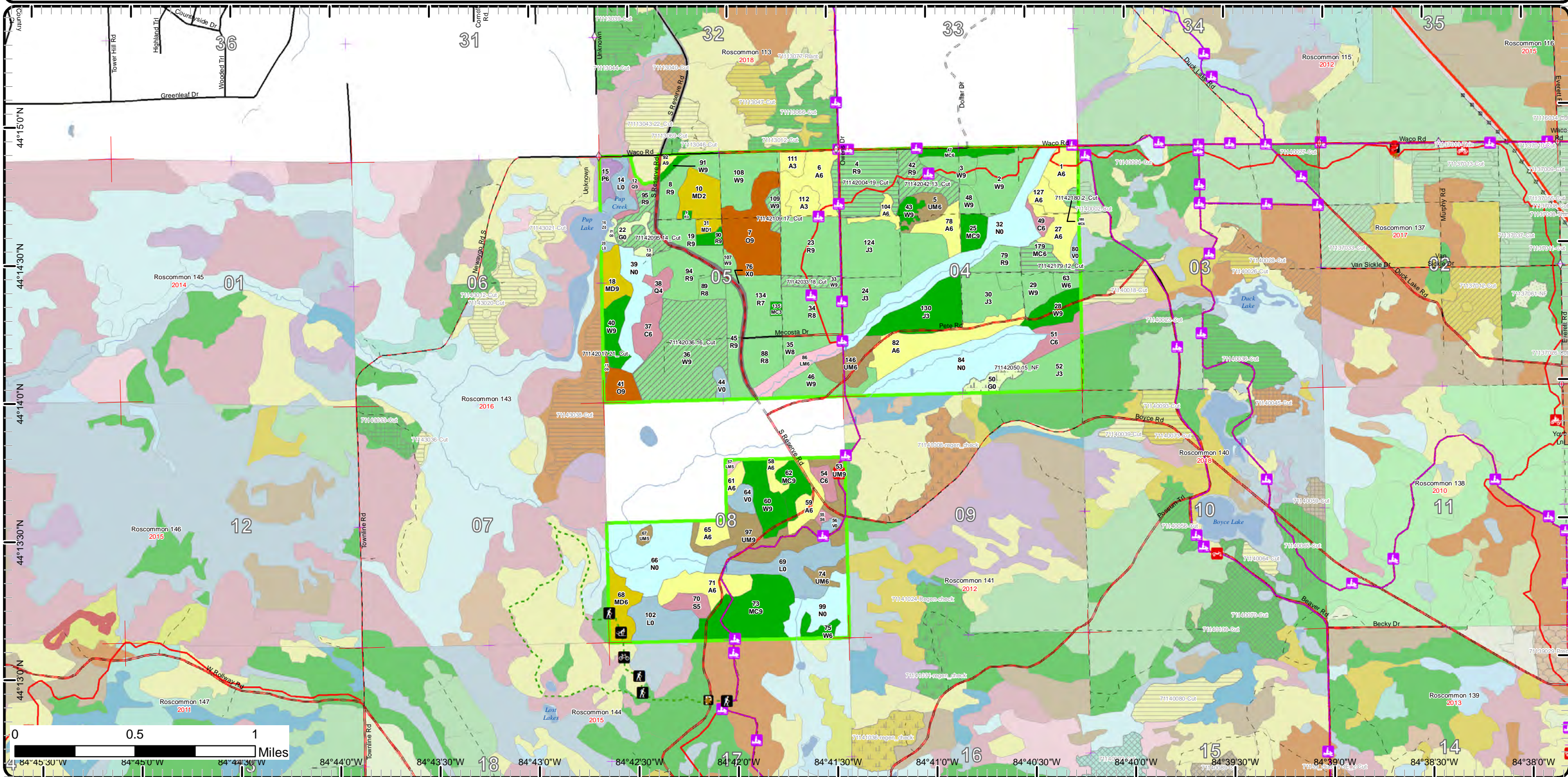
The following information is displayed, where pertinent, on the attached compartment maps:

# Cover Type & Treatments Map

Compartment: 142  
 T21N R03W 04-05, 08  
 County: Roscommon  
 Unit: Roscommon  
 Mgmt Area: Upper Muskegon  
 YOE: 2019  
 Acres: 1702.4 GIS Calculated  
 Examiner: Jason Lewicki  
 Map Revised: 8/2/2017  
 Map Phase: Review

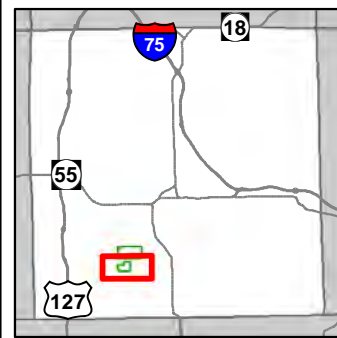


- Miris Corners
- Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- Culvert
- 🚲 Bike Trails
- 🚶 Hiking Trails
- 🛵 ORV Trails
- 🛵 ORV Routes
- 🛷 Ski Trails
- 🛷 Snowmobile Trails
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- County Poor Dirt Roads
- Poor Dirt Roads
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Clearcut (w/Reserves)
- Other Treatment - See Comments
- Thinning (Crown, Low, Systematic)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes

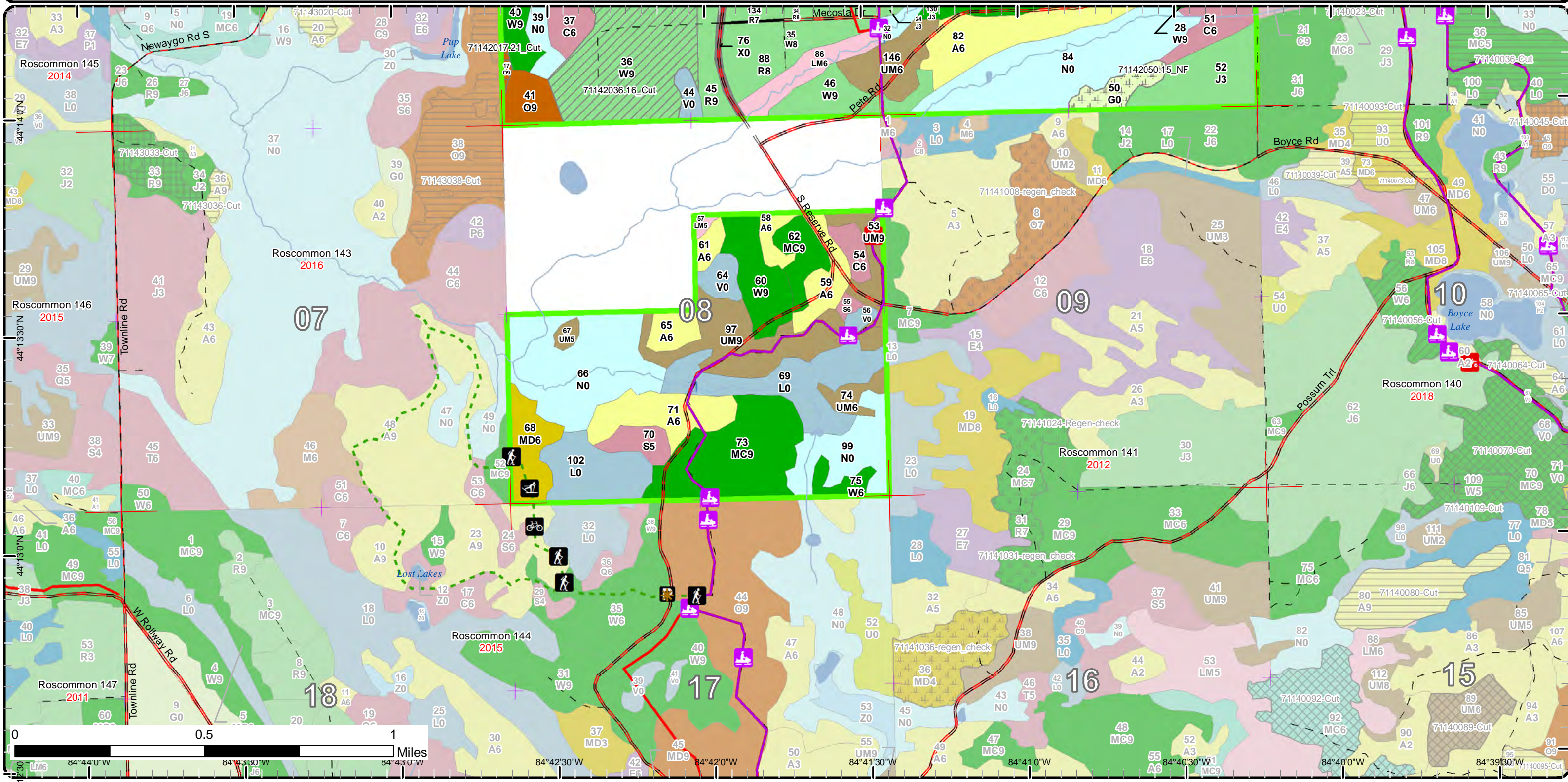


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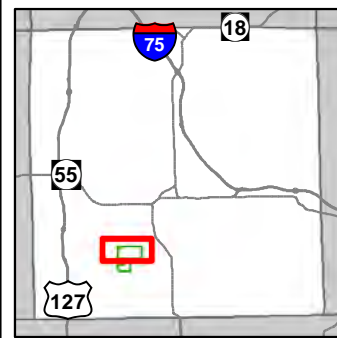
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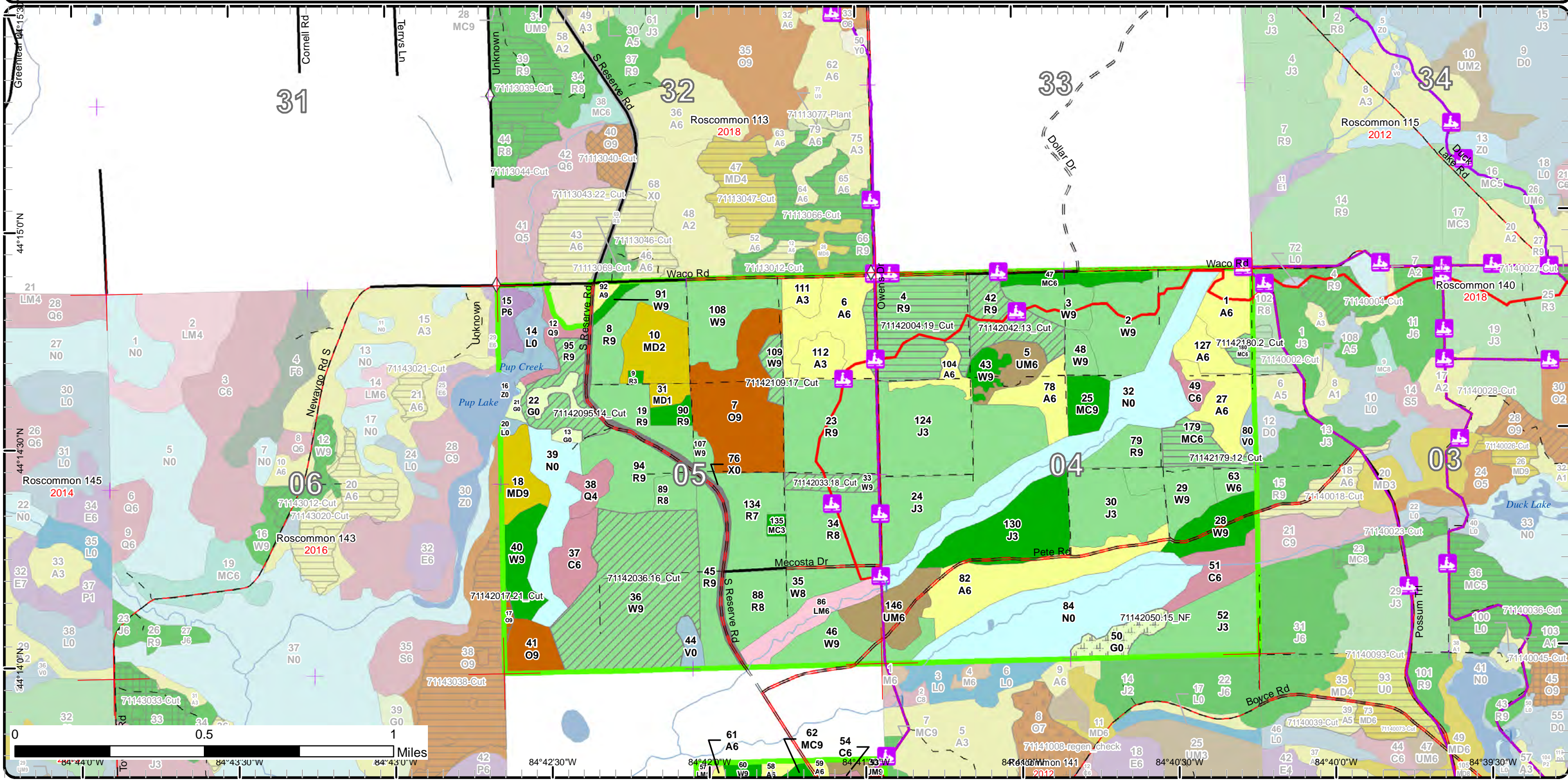
44° 44' 30" N 84° 44' 0" W 84° 43' 30" W 84° 42' 30" W 84° 42' 0" W 84° 41' 30" W 84° 41' 0" W 84° 40' 30" W 84° 40' 0" W

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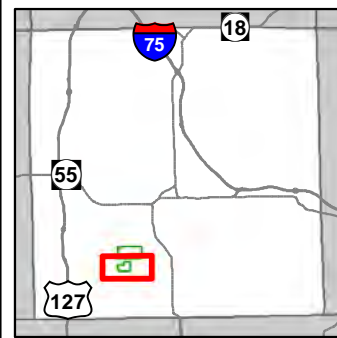


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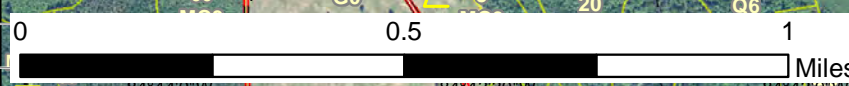
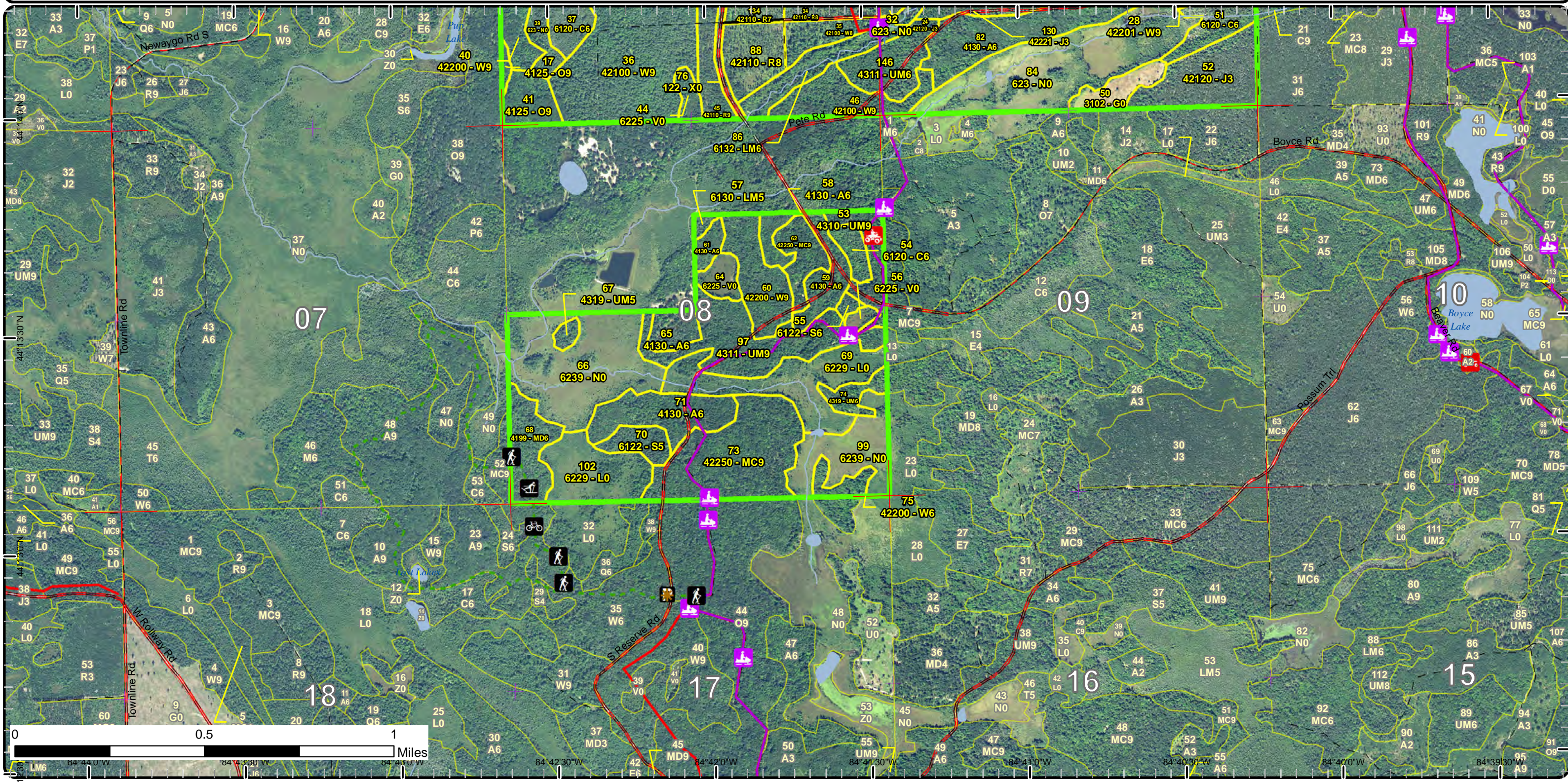


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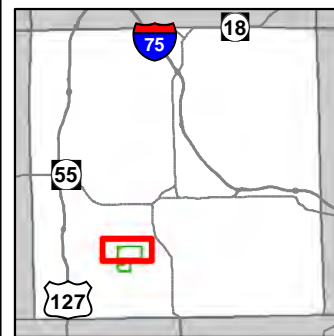


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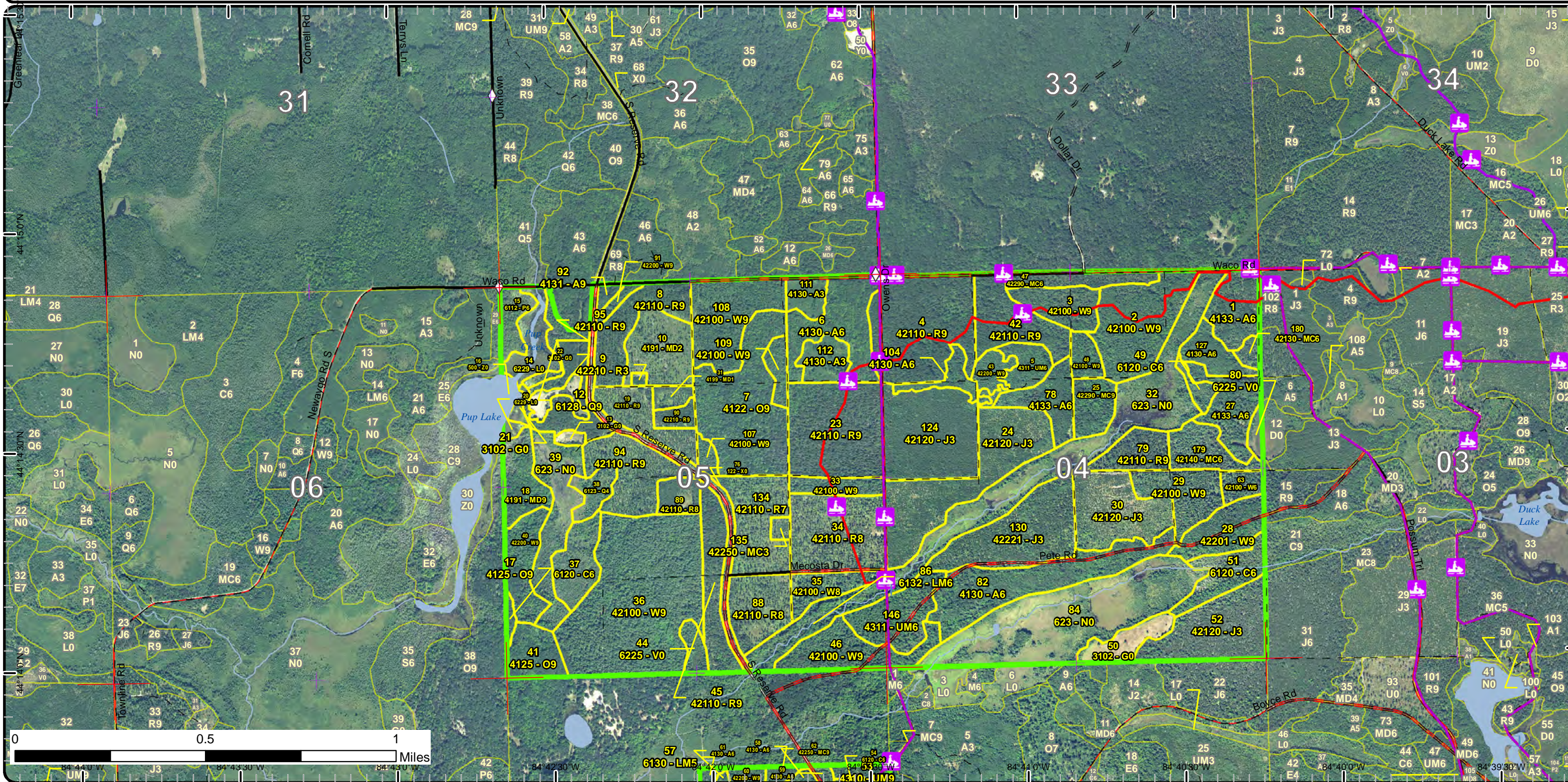


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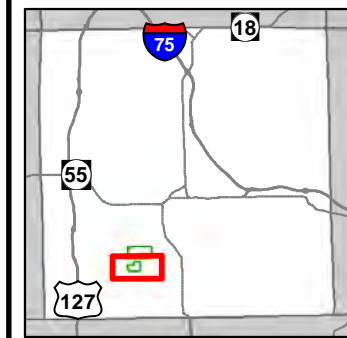


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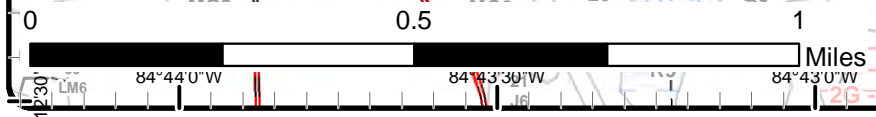
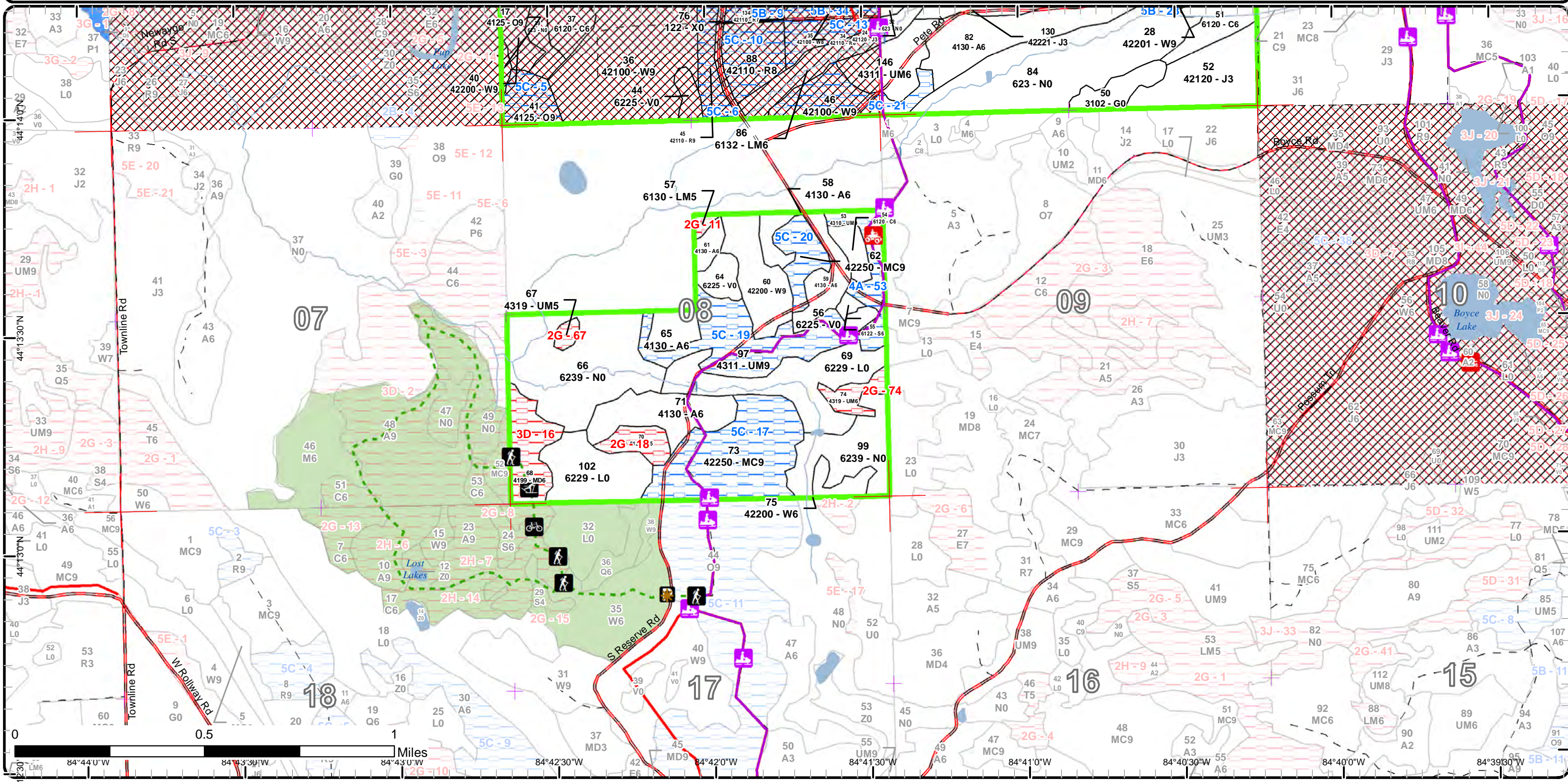


# Special Conservation Areas & Site Conditions Map

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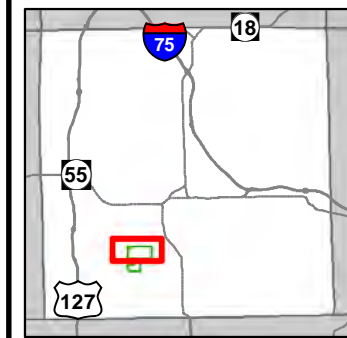
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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 4A: No Markets Available for these Forest Products
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3D: Recreational / Scenic values
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- Riparian Area
- Recreational/Scenic Value Area



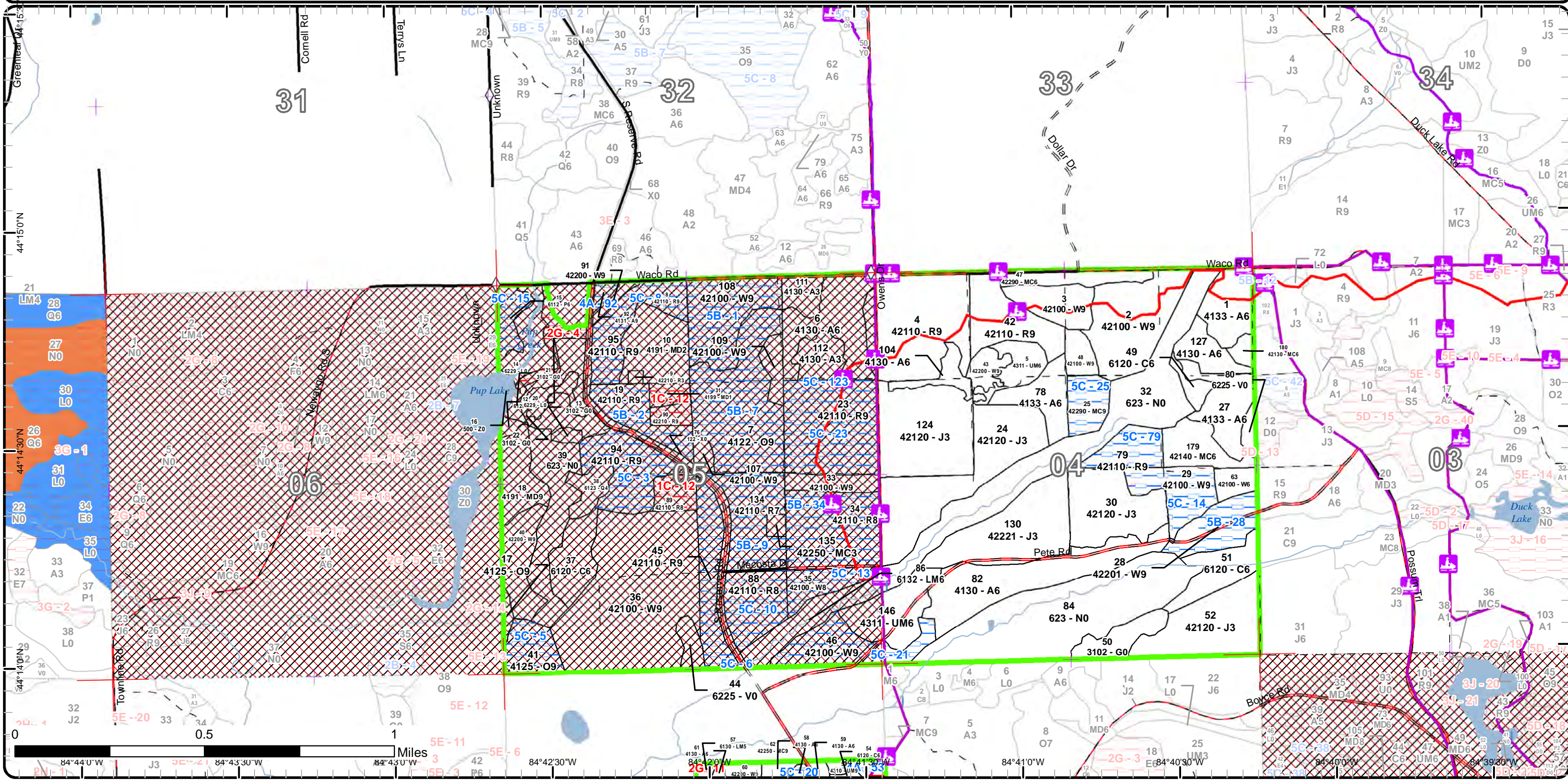


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- Available w/ Constraints
- Unavailable
- 4A: No Markets Available for these Forest Products
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1C: Other dept or div proc/practices
- 2G: Too wet (sensitive soils, does not include access issues)
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- Riparian Area
- Other Habitat Area



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

Roscommon Mgt. Unit  
Jason Lewicki : Examiner

Compartment 142 Year of Entry 2019



## 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	15	0	21	34	122	2	0	0	0	0	0	0	0	0	0	0	0	194
Bog	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Cedar	0	0	0	0	0	0	0	0	0	6	28	4	0	0	0	0	0	0	38
Herbaceous Openland	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Jack Pine	0	0	70	72	29	0	0	0	0	0	0	0	0	0	0	0	0	0	171
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	8
Lowland Conifers	0	0	0	0	0	0	7	0	6	0	0	0	0	0	0	0	0	0	13
Lowland Mixed Forest	0	0	0	0	0	0	0	0	2	15	0	0	0	0	0	0	0	0	17
Lowland Shrub	77	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	0	10	0	0	0	0	0	0	0	0	10
Marsh	232	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	232
Mixed Upland Deciduous	0	20	0	4	0	0	0	0	14	0	19	0	0	0	0	0	0	0	56
Natural Mixed Pines	0	0	2	0	10	0	0	0	0	60	12	0	0	0	0	0	0	0	84
Oak	0	0	0	0	0	0	0	0	0	0	2	57	0	0	0	0	0	0	59
Planted Mixed Pines	0	0	0	0	0	3	0	0	13	0	0	0	0	0	0	0	0	0	15
Red Pine	0	0	1	0	0	0	0	0	0	0	180	111	0	0	0	0	0	0	292
Upland Mixed Forest	0	0	0	0	0	28	0	0	7	53	3	0	0	0	0	0	0	0	91
Urban	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
White Pine	0	0	0	0	0	0	0	12	20	0	133	129	0	0	0	0	0	0	294
<b>Total</b>	<b>362</b>	<b>35</b>	<b>73</b>	<b>97</b>	<b>73</b>	<b>153</b>	<b>9</b>	<b>20</b>	<b>62</b>	<b>144</b>	<b>377</b>	<b>301</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1704</b>



## Report 2 – Treatment Summary

Roscommon Mgt. Unit  
Year of Entry: 2019

Acres of Harvest

Compartment 142  
Total Compartment Acres: 1,702

Commercial Harvest - 193  
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
Oak	2	0	0	0	0	0	0	0	0	2
Planted Mixed Pines	15	0	0	0	0	0	0	0	0	15
Red Pine	45	0	0	0	0	36	0	0	0	82
White Pine	0	0	0	0	0	94	0	0	0	94
<b>Total</b>	<b>62</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>131</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>193</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	193	0	0	0	0	0	0	10	0	203
Next Step	0	119	61	0	0	61	123	0	10	373
<b>Total</b>	<b>193</b>	<b>119</b>	<b>61</b>	<b>0</b>	<b>0</b>	<b>61</b>	<b>123</b>	<b>0</b>	<b>20</b>	<b>576</b>



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
4	71142004.19_ Cut	45.4	42110 - Planted Red Pine	Sawtimber Well	91	201+	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Clearcut red pine and use a island or strip of retention along the snowmobile trail. Trench and plant red pine. Heavy hardwood regeneration is expected. Use all tools available to create a successful red pine plantation.											
<u>Specs:</u>											
<u>Next Step</u> Pesticide, Aerial; SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Treatments: Artificial Regen(3yr)											
<u>Acceptable</u> Red pine plantation at fully stocked levels.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
17	71142017.21_ Cut	1.7	4125 - Black, N. Pin Oak	Sawtimber Well	98	111- 140	Harvest	Clearcut with Retention	412 - Oak Types	Even-Aged	Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> clearcut and manage for oak											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> oak, maple and aspen at fully stocked levels											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2008											
33	71142033.18_ Cut	7.4	42100 - Planted White Pine	Sawtimber Well	99	141- 170	Harvest	Crown Thinning	4210 - Planted White Pine	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Thin stand to promote high quality white pine sawtimber. Remove all the poor formed and suppressed white pine. Target 80 BA. Protect understory as much as possible. Understory is very thick. Expect heavy damage from operations.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
36	71142036.16_ Cut	81.7	42100 - Planted White Pine	Sawtimber Well	102	81-110	Harvest	Crown Thinning	4210 - Planted White Pine	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Thin stand to promote growth on quality white pine sawtimber and allow understory to advance. Remove poor formed and suppressed white pine. Target 60-80 BA.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
42	71142042.13_ Cut	20.8	42110 - Planted Red Pine	Sawtimber Well	91	111- 140	Harvest	Crown Thinning	4220 - Natural White Pine	Even-Aged	Proposal

**Habitat Cut: No****Site Condition:**

Prescription Thin stand and allow requirement of oak and pine saplings. Remove poor formed and suppressed pine. Focus on leaving healthy white pine over red. Thin down to a target of 60-80 ba. Protect the understory but expect heavy damage. Protect orv trail.

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

50	71142050.15_ NF	9.9	3102 - Grass	Nonstocked			NonForestMgt	Other - Specify	3102 - Grass		Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Maintain as grass opening

Specs:

Next Step NonForestMgt, Mowing  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

95	71142095.14_ Cut	15.4	42110 - Planted Red Pine	Sawtimber Well	99	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Thin stand down to 80-100 B.A. Remove poor formed nd suppressed red pine.

Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

109	71142109.17_ Cut	5.3	42100 - Planted White Pine	Sawtimber Well	102	111- 140	Harvest	Crown Thinning	4210 - Planted White Pine	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Thin stand to promote growth on high quality white pine sawtimber. Opening up the canopy should promote white pine regeneration. Thin stand down to around 70-80 BA. Remove poor formed and suppressed white pine. Retain hardwood to maintain diversity and reduce maple and aspen sprouting. Protect single stem maple understory but expect some damage.

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
179	71142179.12_ Cut	12.5	42140 - Planted Mixed Pine	Poletimber Well	70	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Proposal

**Habitat Cut: No****Site Condition:**

Prescription Clearcut stand and create a red pine plantation. Leave a few islands and scattered good quality white pine. Chip stand to reduce scotch pine from seeding. Use all tools to create a successful red pine plantation.

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

Acceptable red pine plantation at fully stocked levels.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

180	71142180.2_C ut	2.8	42130 - Planted Scotch Pine	Poletimber Well	41	51-80	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Clearcut stand and plant red pine. Place chipping spec on to reduce scotch pine from seeding. No retention. Use all tools necessary to create a successful red pine plantation.

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

Acceptable Red pine plantation at fully stocked levels.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

**Total Treatment  
Acreage Proposed: 202.9**

## Report 4 – Site Conditions

Roscommon Mgt. Unit

Jason Lewicki : Examiner

Compartment: 142

Year of Entry: 2019

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions						
		With Condition	Not Available		4A	5B	5C	1C	2G	3D	
194	192	2	0	Aspen	2						
17	17	0	0	Bog							
38	38	0	0	Cedar							
19	19	0	0	Herbaceous Openland							
171	171	0	0	Jack Pine							
8	0	8	0	Lowland Aspen/Balsam Poplar			8				
13	7	0	6	Lowland Conifers					6		
17	15	0	2	Lowland Mixed Forest					2		
77	77	0	0	Lowland Shrub							
10	2	0	8	Lowland Spruce/Fir					8		
233	233	0	0	Marsh							
55	33	0	22	Mixed Upland Deciduous				4		18	
84	12	72	0	Natural Mixed Pines			72				
59	2	57	0	Oak		46	12				
15	15	0	0	Planted Mixed Pines							
292	82	199	11	Red Pine		71	128	11			
91	28	53	9	Upland Mixed Forest	13		41		9		
15	15	0	0	Urban							
2	2	0	0	Water							
294	204	89	0	White Pine		42	47				
1,702	1,163	481	58	Total Forested Acres	15	159	307	15	25	18	
	68%	28%	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 Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5B: Maintain for regeneration purposes	27	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit  
Jason Lewicki : Examiner

Compartment: 142  
Year of Entry: 2019

2	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	22	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	46	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Roscommon Mgt. Unit  
Jason Lewicki : Examiner

Compartment: 142  
Year of Entry: 2019

8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	Available	5B: Maintain for regeneration purposes	24	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	Unavailable	1C: Other dept or div proc/practices	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Research being done in these stands by a state accredited University.							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit  
Jason Lewicki : Examiner

Compartment: 142  
Year of Entry: 2019

14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	Unavailable	3D: Recreational / Scenic values	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	50	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	41	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit  
Jason Lewicki : Examiner

Compartment: 142  
Year of Entry: 2019

20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	35	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
28	Available	5B: Maintain for regeneration purposes	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
34	Available	5B: Maintain for regeneration purposes	32	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit  
Jason Lewicki : Examiner

Compartment: 142  
Year of Entry: 2019

53	Available	4A: No Markets Available for these Forest Products	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
67	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
74	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
79	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
92	Available	4A: No Markets Available for these Forest Products	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
123	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
<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
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Comments



**Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.



Stand	Roscommon Mgt. Unit		Report 7 – Forested Stands			Compartment: 142 Year of Entry: 2019
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4133 - Aspen, Mixed Pine	Poletimber Well	14.9	25	Immature	Aspen with open grown, wolfy pine.
2	42100 - Planted White Pine	Sawtimber Well	32.5	91	51-80	Primarily a white pine stand with some hardwoods. Balsam fir sub canopy to the south, red maple on the north end. Stand had a prior thinning treatment about 30 years ago. Lowland conifer swales on south west side.
3	42100 - Planted White Pine	Sawtimber Well	12.9	90	81-110	
4	42110 - Planted Red Pine	Sawtimber Well	45.4	91	201+	90 + year old red pine plantation. Stand was thinned a few entries ago. There is heavy hardwood regeneration in the subcanopy. It is mostly red maple with some oak and witch hazel. Stand BA averages around 140.
5	4311 - Pine, Aspen Mix	Poletimber Well	9.2	44	81-110	White pine stand with quaking aspen mixed in from 1972 harvest tat is now poletimber class.
6	4130 - Aspen	Poletimber Well	24.8	38	81-110	Aspen and maple stand with scattered oak and red pine sawtimber.
7	4122 - Oak, Pine	Sawtimber Well	45.9	105	1-50	Mixed oak stand with white pine. Some scattered aspen with a pocket in the sw corner of the stand. White pine is growing on a good site with good form. Thick understory of maple and white pine. Lots of structure and cwd.
8	42110 - Planted Red Pine	Sawtimber Well	18.9	104	81-110	High quality red pine stand that was thinned last entry. Stand averages about 110 BA. Scattered mixed advanced oak regeneration.
9	42210 - Natural Red Pine	Sapling Well	0.9	15	Immature	Thick, natural red pine that has seeded into the old landing.
10	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	19.6	6	Immature	Stand was clearcut last entry leaving all of the red pine understory that was created from past thinning's. Stand is now a mix of primarily pockets of thick red pine and scattered oak regeneration. Some scattered mature red pines.
12	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	6.0	70	81-110	mixed conifer swamp. more red maple to the east.
15	6112 - Lowland Aspen	Poletimber Well	7.5	65	51-80	Lowland aspen stand mixed with lowland conifer species. Balsam and tag also understory.
17	4125 - Black, N. Pin Oak	Sawtimber Well	1.7	98	111-140	Stand is being harvested with the compartment to the west.
18	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	13.5	75	51-80	
19	42110 - Planted Red Pine	Sawtimber Well	14.8	93	81-110	Excellent red pine site. Thinned last entry.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	42110 - Planted Red Pine	Sawtimber Well	39.4	95	81-110	Red pine stand that was thinned a few entries ago. Appears to have all the oak removed. Good understory of mixed oak. Some saplings are from stump sprouts and are 15+ tall. Variable height underscore of white pine. Could treat stand by removing some of the overstory or leave alone until understory is bigger and easier to protect. Some red maple poletimber on the nw side.
24	42120 - Planted Jack Pine	Sapling Well	42.6	15	Immature	Area was trenched and seeded. Has a mix of jp, oak, aspen, and cherry.
25	42290 - Natural Mixed Pine	Sawtimber Well	10.1	89	81-110	Lower density red pine stand mixed with hardwoods.
27	4133 - Aspen, Mixed Pine	Poletimber Well	16.0	41	51-80	
28	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	15.6	91	81-110	White pine logs mixed with aspen poles. Aspen appears to be around 10 years old.
29	42100 - Planted White Pine	Sawtimber Well	16.5	99	81-110	High quality white pine plantation that was thinned last entry.
30	42120 - Planted Jack Pine	Sapling Well	26.9	14	Immature	
31	4199 - Other Mixed Upland Deciduous	Sapling Poor	3.8	20	1-50	Part of research project.
33	42100 - Planted White Pine	Sawtimber Well	7.4	99	141-170	High density , high quality white pine plantation. Dense white pine understory. Some scattered scotch pine. Especially on west end.
34	42110 - Planted Red Pine	Sawtimber Medium	32.4	101	1-50	Shelterwood cut last entry. Heavy oak understory.
35	42100 - Planted White Pine	Sawtimber Medium	10.2	106	51-80	Stand was shelterwood cut last entry. Very good white pine site. Good mixed regeneration.
36	42100 - Planted White Pine	Sawtimber Well	81.7	102	81-110	Good quality plantation white pine. Stand was thinned and had hardwoods removed 20-30 years ago. A few pockets of low density white pine that are dominated by red maple poletimber from the thinning. Average BA is about 100-120 sq ft. Orv trail runs through the stand.
37	6120 - Lowland Cedar	Poletimber Well	14.0	96	111-140	
38	6123 - Lowland Fir	Poletimber Poor	6.8	50	1-50	Mix of balsam, aspen, red maple, and cedar. Very wet.
40	42200 - Natural White Pine	Sawtimber Well	14.6	75	81-110	





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
41	4125 - Black, N. Pin Oak	Sawtimber Well	11.5	100	81-110	Fair quality oak stand with some large crowned red oaks present. More maple and aspen mixed in to the north and west. Good mast producer while larger stand to the west regenerates. Stand will hold.
42	42110 - Planted Red Pine	Sawtimber Well	20.8	91	111-140	Mixed stand of red and white pine. Understory is a mix of heavy white pine and mixed oak. Less white pine saplings on south side of stand with more red maple. Orv trail within stand.
43	42200 - Natural White Pine	Sawtimber Well	5.8	65	81-110	
45	42110 - Planted Red Pine	Sawtimber Well	18.3	102	81-110	Red pen stand that was thinned 20-30 years ago and Rx burnt last entry. Good amounts of oak regeneration on the east side with heavy hazel on the west. Some scattered scotch pine on east side.
46	42100 - Planted White Pine	Sawtimber Well	20.4	95	81-110	Good quality white pine stand mixed with some red pine. Most red pine is found on the west side. White pine and balsam in the subcanopy.
47	42290 - Natural Mixed Pine	Poletimber Well	9.7	35	1-50	
48	42100 - Planted White Pine	Sawtimber Well	5.6	91	51-80	Primarily a white pine stand with some hardwoods. Balsam fir sub canopy to the south, red maple on the north end. Stand had a prior thinning treatment about 30 years ago. Lowland conifer swales on south west side.
49	6120 - Lowland Cedar	Poletimber Well	3.7	100	111-140	
51	6120 - Lowland Cedar	Poletimber Well	13.7	95	111-140	
52	42120 - Planted Jack Pine	Sapling Well	29.4	37	1-50	Old notes indicate that this stand was aerial seeded in 1979. Stand is very thick and is a mix of saplings and small poletimber.
53	4310 - Pine, Oak Mix	Sawtimber Well	12.7	85	81-110	Manage with stand and compartment to the east
54	6120 - Lowland Cedar	Poletimber Well	6.2	86	111-140	
55	6122 - Black Spruce	Poletimber Well	1.8	86	51-80	
57	6130 - Fir, Aspen, Maple	Poletimber Medium	1.7	75	51-80	Lowland aspen mixed with balsam and spruce.
58	4130 - Aspen	Poletimber Well	5.6	41	51-80	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
59	4130 - Aspen	Poletimber Well	13.3	41	81-110	
60	42200 - Natural White Pine	Sawtimber Well	21.7	94	111-140	Possibly thin next entry when surrounding aspen is harvested.
61	4130 - Aspen	Poletimber Well	4.6	41	51-80	Quaking aspen poletimber stand mixed with some white pine and balsam fir. Hold until next entry to gain more volume.
62	42250 - Pine, Oak	Sawtimber Well	11.9	90	81-110	
63	42100 - Planted White Pine	Poletimber Well	5.3	70	81-110	
65	4130 - Aspen	Poletimber Well	8.1	41	51-80	Pole sized poor quality quaking aspen.
67	4319 - Mixed Upland Forest	Poletimber Medium	2.6	96	51-80	
68	4199 - Other Mixed Upland Deciduous	Poletimber Well	18.5	96	81-110	Part of the lost twin lakes pathway SCA
70	6122 - Black Spruce	Poletimber Medium	8.3	80	51-80	
71	4130 - Aspen	Poletimber Well	23.6	41	51-80	Mixed aspen stand with pine. Ridge of Bigtooth on west end. Hold until next entry to obtain more volume.
73	42250 - Pine, Oak	Sawtimber Well	50.3	85	51-80	Natural red pine and oak stand. Some scattered aspen in various age classes. Sw side of stand is heavier to oak while the eastern side is dominated by red pine. Nice red pine site.
74	4319 - Mixed Upland Forest	Poletimber Well	6.8	71	51-80	
75	42200 - Natural White Pine	Poletimber Well	6.0	65	81-110	Looked across marsh and saw white pine.
78	4133 - Aspen, Mixed Pine	Poletimber Well	13.2	43	81-110	Decent quantity Bigtooth aspen stand. Hold for 10+ years to allow development of sawtimber.
79	42110 - Planted Red Pine	Sawtimber Well	11.3	93	81-110	Looks like the jack pine was spec cut and skid paths were marked. Good jack pine regen along skid trails and scattered oak regen throughout.
82	4130 - Aspen	Poletimber Well	37.5	41	51-80	Low quality aspen poletimber with scattered pine.
86	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	15.3	85	51-80	Mix of cedar, maple and alder. Transitions to solid alder to the east before marsh



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
88	42110 - Planted Red Pine	Sawtimber Medium	17.9	102	1-50	Shelterwood cut last entry. Heavy oak understory. Some red pine seedlings present.
89	42110 - Planted Red Pine	Sawtimber Medium	6.7	93	111-140	OAK-PINE RESEARCH AREA. Being RX burned on 5-10 year intervals. Thick unhinged red pine with some oak subcanopy. About 1 acre area in the middle is non forested.
90	42210 - Natural Red Pine	Sawtimber Well	4.0	93	141-170	Part of the "oak/pine" research area. High Basal area, high quality red pine. Caged oak in the understory.
91	42200 - Natural White Pine	Sawtimber Well	2.5	102	81-110	Small natural white pine stand in a drainage.
92	4131 - Aspen, Oak	Sawtimber Well	2.0	51	81-110	Aspen mixed with scattered red pine and oak. Very small acreage.
94	42110 - Planted Red Pine	Sawtimber Well	22.0	93	81-110	Thinned last entry. High quality red pine stand. More hardwood component on the west side.
95	42110 - Planted Red Pine	Sawtimber Well	15.4	99	141-170	High quality red pine that surrounded Camp Nokomis.
97	4311 - Pine, Aspen Mix	Sawtimber Well	40.6	85	81-110	Limby sawtimber white pine mixed with aspen poletimber.
104	4130 - Aspen	Poletimber Well	5.9	24	Immature	
107	42100 - Planted White Pine	Sawtimber Well	2.9	102	111-140	Excellent white pine site. Stand was thinned last entry.
108	42100 - Planted White Pine	Sawtimber Well	26.6	102	81-110	Pruned in 1958. Stand was thinned from below last entry. Exceptional quality. Heavy red maple understory.
109	42100 - Planted White Pine	Sawtimber Well	5.3	102	111-140	High quality white pine stand mixed with some hardwoods.
111	4130 - Aspen	Sapling Well	6.5	6	Immature	#31-09 complete. Some scattered supercanopy red pine left for retention.
112	4130 - Aspen	Sapling Well	8.9	6	Immature	Some scattered supercanopy oak and red pine left for retention.
124	42120 - Planted Jack Pine	Sapling Well	37.4	24	Immature	Developing poletimber.
127	4130 - Aspen	Poletimber Well	9.3	38	51-80	
130	42221 - Natural Jack Pine, Mixed Deciduous	Sapling Well	34.3	24	Immature	Stand may have been seeded to jack pine.

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Roscommon Mgt. Unit

## Report 7 – Forested Stands

Compartment: 142  
Year of Entry: 2019

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
<b>134</b>	42110 - Planted Red Pine	Sawtimber Poor	24.2	101	1-50	Shelterwood with reserves leaving 30-60 sq ft last entry. Oak understory has explode since harvest. Very little red pine regeneration found. Some maple and hazel on north end.
<b>135</b>	42250 - Pine, Oak	Sapling Well	1.9	15	Immature	Old landing area
<b>146</b>	4311 - Pine, Aspen Mix	Poletimber Well	19.2	45	51-80	Low quality aspen mixed with sawtimber white pine.
<b>179</b>	42140 - Planted Mixed Pine	Poletimber Well	12.5	70	81-110	Mixed plantation of jack pine and scotch. Poor quality. Some areas of sawtimber white pine.
<b>180</b>	42130 - Planted Scotch Pine	Poletimber Well	2.8	41	51-80	Scotch pine mixed with some jack and white pine.



Stand	Cover Type	Acres	Managed Site	General Comments:
13	3102 - Grass	1.8		Planted to red pine in the spring of 2017
14	6229 - Mixed lowland shrub	11.9	No	
16	500 - Water	2.4	No	PUP LAKE.
20	6229 - Mixed lowland shrub	1.5	No	
21	3102 - Grass	2.0		Planted to white spruce and white pine in the spring of 2016.
22	3102 - Grass	5.1		Planted to red pine in the spring of 2017.
32	623 - Emergent Wetland	58.8	No	North central part of the stand had a cedar harvest at some point in the past.
39	623 - Emergent Wetland	24.3	No	Forested in some spots, but overall it's a mix of L and N types.
44	6225 - Bog	4.6	No	
50	3102 - Grass	9.9	Yes	Managed opening. Headquarter #11
56	6225 - Bog	2.5	No	
64	6225 - Bog	6.8	No	
66	6239 - Mixed Emergent Wetland	57.2	No	OPIC - FMD: Part of 1999 POG plan.
69	6229 - Mixed lowland shrub	37.6	No	
76	122 - Road/Parking Lot	14.9	No	
80	6225 - Bog	2.7	No	
84	623 - Emergent Wetland	66.0	No	
99	6239 - Mixed Emergent Wetland	26.2	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
102	6229 - Mixed lowland shrub	25.8	No	