



# Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71124

Entry Year 2019

Acreage: 1,146

County Roscommon

Management Area: Upper Muskegon

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**Revision Date:** 2017-07-10

**Stand Examiner:** Dale Ekdom

**Legal Description:**

T22N R02W Sections 24, 25 & 36

**Identified Planning Goals:**

Vegetation management in the Upper Muskegon Management Area will provide timber 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 the next ten years 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 opportunity. Expected issues within the next decade 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 generally are Grayling and Rubicon Sands mixed with some Newton Loamy Sand. Topography is generally flat to rolling. The north part of section 36 and the south part of section 25 contain some rolling hills.

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

There are some private land holdings scattered throughout the compartment but for the most part the compartment is a solid block of state land. Private land is mostly permanent residences in small wooded lots and a few larger acreages with seasonal hunting cabins.

**Unique Natural Features:**

None known.

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

None known or detected during fieldwork.

**Special Management Designations or Considerations:**

None known.

**Watershed and Fisheries Considerations:**

Lanes Lake is in the western portion of Section 36. East and West Twin Lakes are located to the immediate southeast of the compartment.

**Wildlife Habitat Considerations:**

Provide and maintain habitat for a variety of game and non-game species.

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

No active sand/gravel pits are located in the area but there does appear to be some good potential within the compartment, particularly in Sec 25. The abandoned Denton Creek Field is located in sections 27 & 28, just west of the compartment. Most 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 in this compartment via county roads, forest roads, and recreational trails

**Survey Needs:**

None needed at this time.

**Recreational Facilities and Opportunities:**

Good vehicle access provides excellent hunting opportunities. The dual designated snowmobile trail 6 / Denton Creek to St. Helen ORV Route and St. Helen 50" ORV trails run through this compartment.

**Fire Protection:**

Compartment has a fairly well developed wild land/urban interface along with jack pine cover types to the south which could increase wildfire potential.

**Additional Compartment Information:**

**The following reports from the Inventory are attached:**

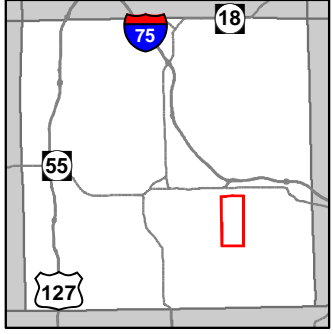
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

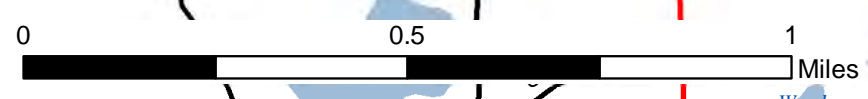
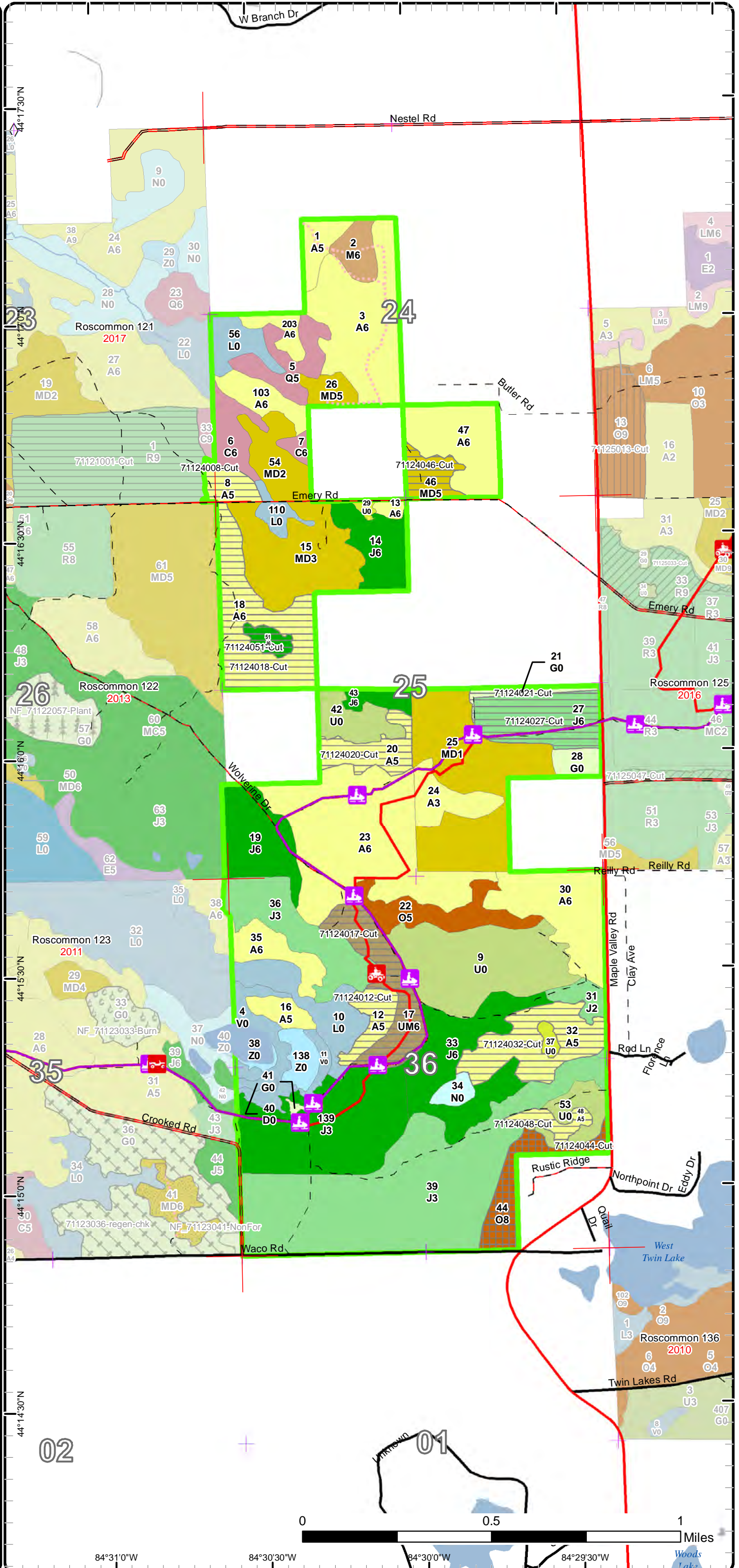
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatment Map

Compartment: 124  
 T22N,R02W, Sec.24-25, 36  
 County: Roscommon  
 Unit: Roscommon  
 Mgmt Area: Upper Muskegon  
 YOE: 2019  
 Acres: 1145.7 GIS Calculated  
 Examiner: Dale Ekdorn  
 Map Revised: 8/2/2017  
 Map Phase: Review



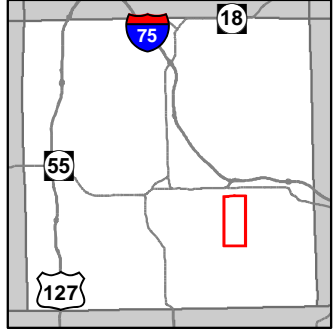
- Miris Corners
- + Remonumented Section Corners
- Counties
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- County Paved Roads
- County Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes



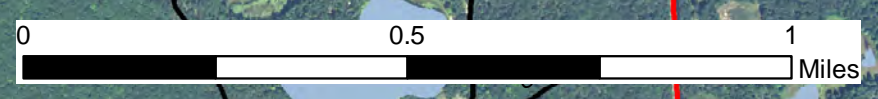
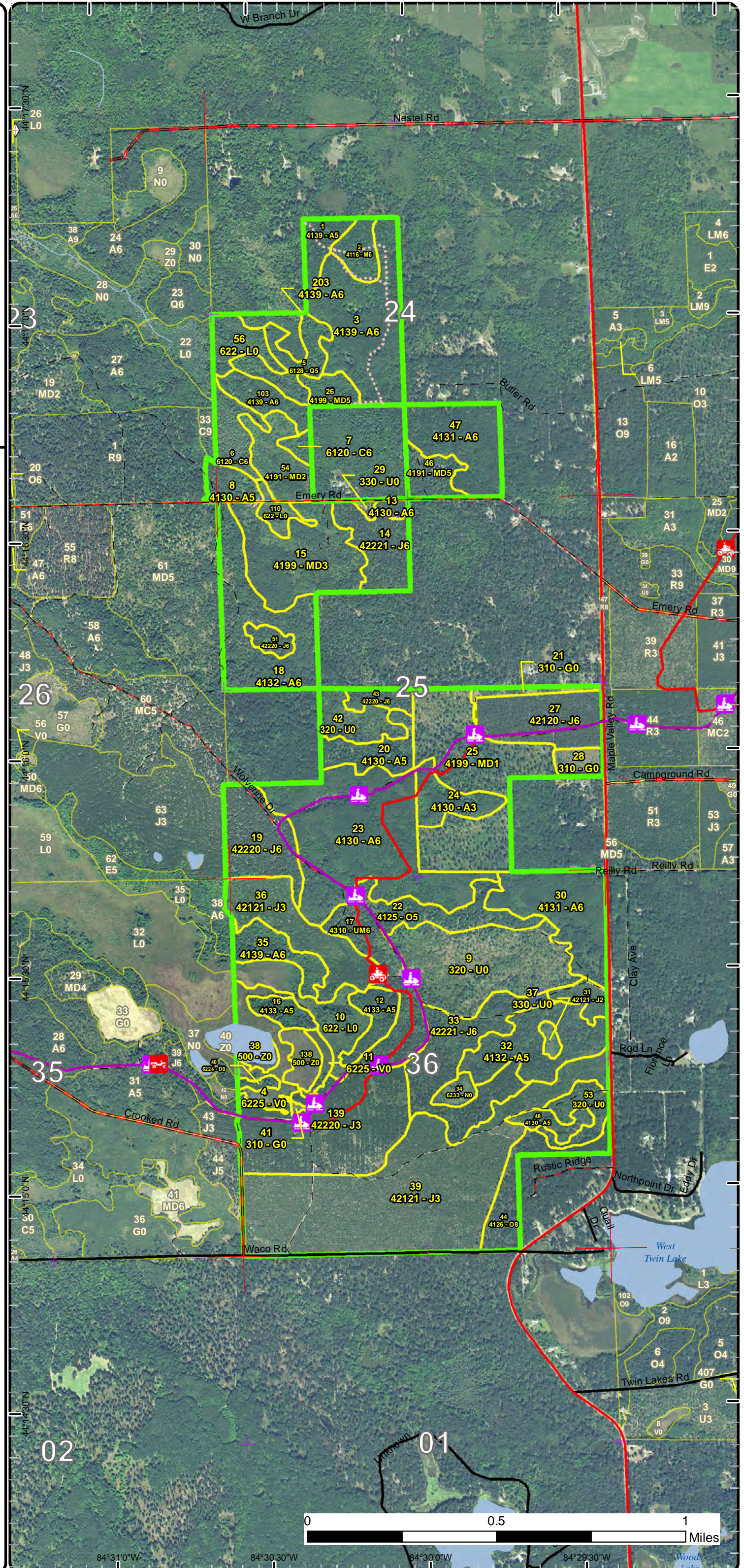
84°31'0"W    84°30'30"W    84°30'0"W    84°29'30"W

# Stand Boundary Map

Compartment: 124  
 T22N,R02W, Sec.24-25, 36  
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 Map Phase: Review



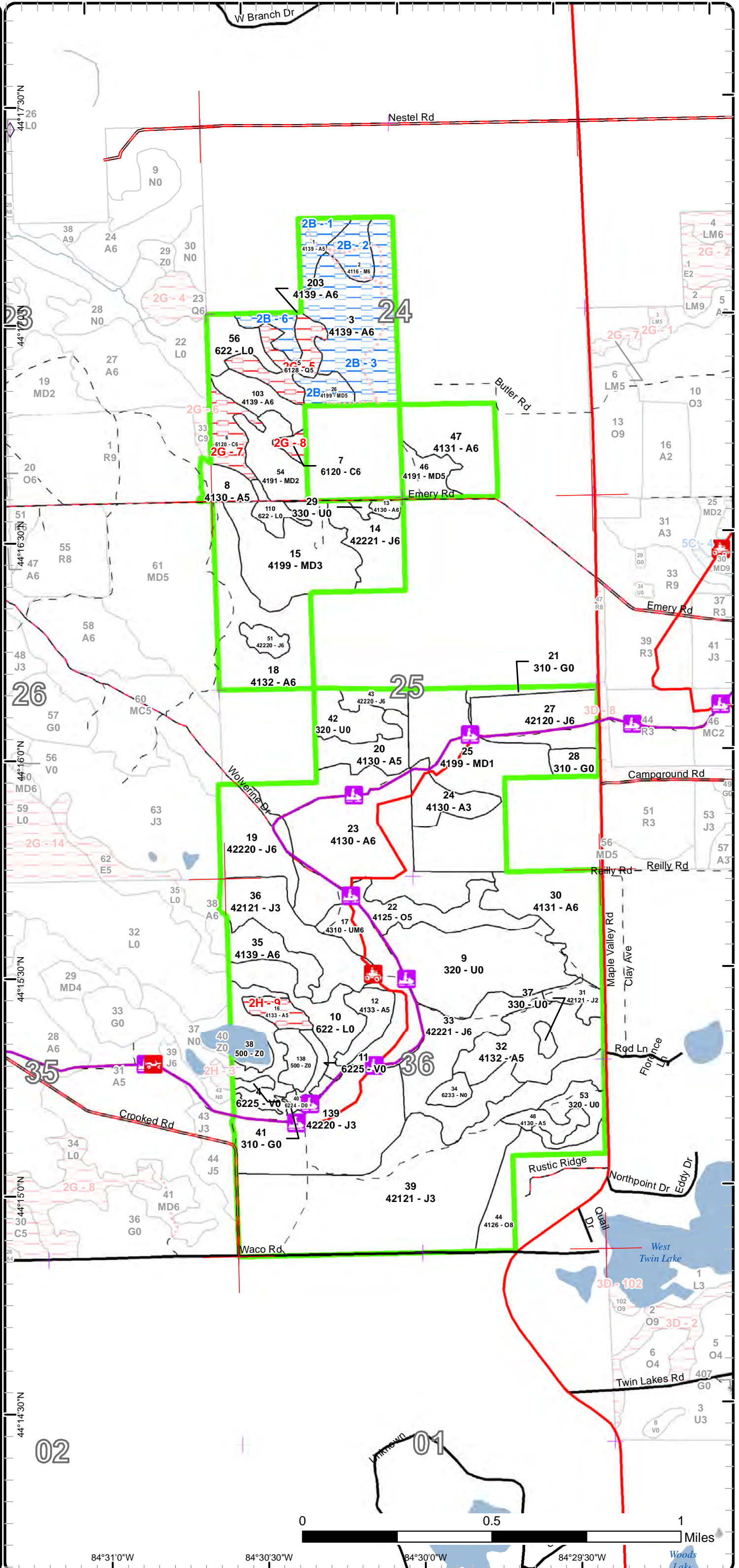
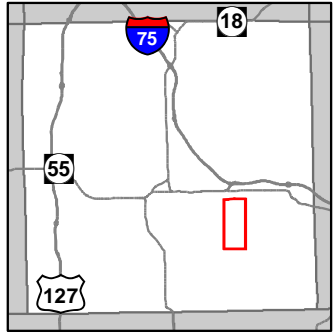
- Miris Corners
- + Remonumented Section Corners
- Counties
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated ATV
- - - Designated ORV Route
- Designated Snowmobile Trails
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- Streams
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- Stand Boundaries
- 411 - Northern Hardwood
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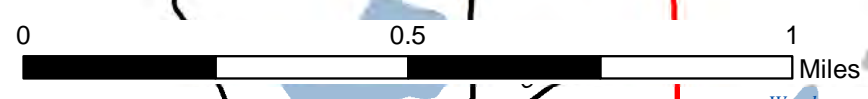
84°31'0"W      84°30'30"W      84°30'0"W      84°29'30"W

# Special Conservation Areas & Site Conditions Map

Compartment: 124  
 T22N,R02W, Sec.24-25, 36  
 County: Roscommon  
 Unit: Roscommon  
 Mgmt Area: Upper Muskegon  
 YOE: 2019  
 Acres: 1145.7 GIS Calculated  
 Examiner: Dale Ekdorn  
 Map Revised: 8/2/2017  
 Map Phase: Review



- Miris Corners
- + Remonumented Section Corners
- Counties
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- County Paved Roads
- Paved Roads
- County Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- - - Closed
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- Stand Boundaries



84°31'0"W      84°30'30"W      84°30'0"W      84°29'30"W

Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	0	13	0	352	9	0	0	0	0	0	0	0	0	0	0	0	374
Bog	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Cedar	0	0	0	0	0	0	0	0	3	0	13	0	0	0	0	0	0	0	15
Herbaceous Openland	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Jack Pine	0	0	165	64	0	98	29	0	0	0	0	0	0	0	0	0	0	0	356
Low-Density Trees	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	17
Lowland Shrub	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Marsh	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Mixed Upland Deciduous	0	63	17	42	0	17	0	0	0	0	0	0	0	0	0	0	0	0	139
Northern Hardwood	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	9
Oak	0	0	0	0	0	20	0	0	0	0	0	18	0	0	0	0	0	0	38
Treed Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Mixed Forest	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	27
Upland Shrub	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79
Water	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
<b>Total</b>	<b>171</b>	<b>63</b>	<b>182</b>	<b>119</b>	<b>0</b>	<b>514</b>	<b>38</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>13</b>	<b>35</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1145</b>



## Report 2 – Treatment Summary

Roscommon Mgt. Unit  
Year of Entry: 2019

Acres of Harvest

Compartment 124  
Total Compartment Acres: 1,146

Commercial Harvest - 205  
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	112	0	0	0	0	0	0	0	0	112
Herbaceous Openland	4	0	0	0	0	0	0	0	0	4
Jack Pine	33	0	0	0	0	0	0	0	0	33
Mixed Upland Deciduous	10	0	0	0	0	0	0	0	0	10
Oak	0	0	0	18	0	0	0	0	0	18
Upland Mixed Forest	27	0	0	0	0	0	0	0	0	27
<b>Total</b>	<b>187</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>205</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	205	0	0	0	0	0	0	0	0	205
Next Step	0	66	33	0	0	33	238	0	0	370
<b>Total</b>	<b>205</b>	<b>66</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>238</b>	<b>0</b>	<b>0</b>	<b>575</b>



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
8	71124008-Cut	7.8	4130 - Aspen	Poletimber Medium	44	Unspecified	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal

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

Prescription cut for aspen management, no retention due to small size, mark up to 2 oaks to leave for wildlife mast  
Specs:

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

Acceptable any combination of aspen and other species to a fully stocked stand  
Regen:

Other possible green-up concerns due to treatment in the R9 stand to the west in 2017 YOE, use tops/slash to rehab RDR in SE corner of the stand  
Comment:

Proposed Start Date: 10/01/2018

12	71124012-Cut	9.8	4133 - Aspen, Mixed Pine	Poletimber Medium	44	Unspecified	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut as much of this stand as possible given terrain. No retention - size and health concerns. Buffer lowland to the west where necessary.  
Specs:

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

Acceptable Any combination of aspen and other species to a fully stocked stand  
Regen:

Other use brush pile spec along west edge, use drumming log spec.  
Comment:

Proposed Start Date: 10/01/2018

17	71124017-Cut	27.3	4310 - Pine, Oak Mix	Poletimber Well	44	51-80	Harvest	Clearcut with Retention	42221 - Natural Jack Pine, Mixed Deciduous	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription final harvest and leave tops for seed, place retention islands between the ORV trail and the SMT, mark up to 2 oaks per acre for wildlife mast  
Specs:

Next Step Monitoring, Natural Regen (Intermediate)  
Treatments:

Acceptable any combination of jack pine and other pines/hardwood regeneration to a fully stocked stand  
Regen:

Other needs SMT protection specs, etc.  
Comment:

Proposed Start Date: 10/01/2018

18	71124018-Cut	43.1	4132 - Aspen, Jack Pine	Poletimber Well	44	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription final harvest for aspen management, mark up to 2 oaks per acre for wildlife mast, trench and plant jack pine in any larger areas that do not regenerate to fully stocked aspen, jack pine, and/or oak  
Specs:

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

Acceptable Any combination of aspen and other species to a fully stocked stand  
Regen:

Other may need survey to delineate private/state boundary, expand into Stand #61 where it makes sense to do so  
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
20	71124020-Cut	14.2	4130 - Aspen	Poletimber Medium	44	Unspec ified	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal

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

Prescription final harvest for aspen management, extend cut to the SMT on the east side so there is a spot for access/landing, mark up to 2 larger oaks per  
Specs: acre for wildlife mast, extend into Stand 42 as much as possible to expand aspen, no retention due to stand size and desire to expand aspen type

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of aspen and other species to a fully stocked stand

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

21	71124021-Cut	4.3	310 - Herbaceous Openland	Nonstocked		Unspec ified	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription include with harvest to the south to clean up the site and establish private/state boundary line, trench/plant red pine

Specs:

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr);

Treatments: Monitoring, Artificial Regen(3yr)

Acceptable red pine plantation

Regen:

Other

roller -chop if tops are not chipped, release spray as necessary

Comment:

Proposed Start Date: 10/01/2018

27	71124027-Cut	28.7	42120 - Planted Jack Pine	Poletimber Well	53	111- 140	Harvest	Clearcut	42110 - Planted Red Pine	Two-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription final harvest and trench/plant red pine

Specs:

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical; Monitoring, Artificial Regen(1yr);

Treatments: Monitoring, Artificial Regen(3yr)

Acceptable red pine plantation

Regen:

Other

roller-chop if tops are not chipped, release spray as necessary

Comment:

Proposed Start Date: 10/01/2018

32	71124032-Cut	30.9	4132 - Aspen, Jack Pine	Poletimber Medium	44	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription cut and regenerate to aspen, leave retention as buffer around Stand #37 and a small island in the east part of the stand along F-97

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of aspen and other species to a fully stocked stand

Regen:

Other

use drumming log spec.

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
44	71124044-Cut	17.7	4126 - White, Black, N. Pin Oak	Sawtimber Medium	105	51-80	Harvest	Seed Tree	412 - Oak Types	Two-Aged	Proposal

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

Prescription Use seed tree cut to start more oak regeneration, mark large crowned oak to leave to 10-20 SF residual BA, target white oak to leave especially  
Specs: AND leave all R/W pine for diversity and an additional seed source and for visual

Next Step Monitoring, Natural Regen (Intermediate)  
Treatments:

Acceptable Any combination/amount of oak and other species  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

46	71124046-Cut	10.1	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	44	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription cut to regenerate aspen, red maple, and oak and manage for a mixed stand of hardwoods and pine, leave R/W pine for diversity and a seed  
Specs: source, no retention due to small size and forest health concerns

Next Step Monitoring, Natural Regen (Intermediate)  
Treatments:

Acceptable any combination of hardwoods and pine to a fully stocked stand  
Regen:

Other Mark up to 2 oaks per acre for wildlife mast  
Comment:

Proposed Start Date: 10/01/2018

48	71124048-Cut	6.4	4130 - Aspen	Poletimber Medium	44	Unspec ified	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Final harvest for aspen management, expand into surrounding Upland Brush stand where possible, no retention due to size and desire to expand  
Specs: aspen type, mark up to 2 oak per acre for wildlife mast if possible.

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

Acceptable Any combination of aspen and other species to a fully stocked strand  
Regen:

Other use drumming log spec.  
Comment:

Proposed Start Date: 10/01/2018

51	71124051-Cut	4.7	42220 - Natural Jack Pine	Poletimber Well	44	81-110	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Cut to regenerate jack pine, leave tops for a seed source if possible, mark up to 2 oaks per acre for wildlife mast, trench/plant JP if tops are not  
Specs: left.

Next Step Monitoring, Natural Regen (Intermediate)  
Treatments:

Acceptable any combination of natural or planted jack pine and other species to a fully stocked stand  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

**Total Treatment  
 Acreage Proposed: 205.0**

## Report 4 – Site Conditions

Roscommon Mgt. Unit  
Dale Ekdom : Examiner

Compartment: 124  
Year of Entry: 2019

### Availability for Management

Total Acres	Acres Available	Acres Avail With Condition		Acres Not Available	Dominant Site Conditions		
					2B	2G	2H
373	301	<b>65</b>	7	Aspen	<b>65</b>		7
19	19	<b>0</b>	0	Bog			
15	0	<b>0</b>	15	Cedar		15	
11	11	<b>0</b>	0	Herbaceous Openland			
356	356	<b>0</b>	0	Jack Pine			
4	4	<b>0</b>	0	Low-Density Trees			
17	0	<b>0</b>	17	Lowland Conifers		17	
38	38	<b>0</b>	0	Lowland Shrub			
4	4	<b>0</b>	0	Marsh			
139	133	<b>7</b>	0	Mixed Upland Deciduous	<b>7</b>		
9	0	<b>9</b>	0	Northern Hardwood	<b>9</b>		
37	37	<b>0</b>	0	Oak			
2	2	<b>0</b>	0	Treed Bog			
27	27	<b>0</b>	0	Upland Mixed Forest			
79	79	<b>0</b>	0	Upland Shrub			
14	14	<b>0</b>	0	Water			
1,146	1,026	<b>81</b>	39	Total Forested Acres	<b>81</b>	32	7
	90%	<b>7%</b>	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	Available	2B: Unknown if access through adjacent landowner(s) is possible	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 124

Dale Ekdor : Examiner

Year of Entry: 2019

2	Available	2B: Unknown if access through adjacent landowner(s) is possible	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	Available	2B: Unknown if access through adjacent landowner(s) is possible	50	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	Available	2B: Unknown if access through adjacent landowner(s) is possible	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	Available	2B: Unknown if access through adjacent landowner(s) is possible	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 124

Dale Ekdor : Examiner

Year of Entry: 2019

7	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> somewhat higher island surrounded by water, bog, or lowland brush stands							

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
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## Roscommon Mgt. Unit

## Report 7 – Forested Stands

Compartment: 124  
Year of Entry: 2019

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4139 - Aspen, Mixed Deciduous	Poletimber Medium	8.7	52		Stand is growing well, quaking aspen is still fairly small yet, hold and cut with surrounding upland stands in 10 years
4116 - Mixed N. Hardwood - Aspen	Poletimber Well	9.1	75	111-140	M6/A6/07 with a red maple understory, Fairly small acreage, scattered oak SL's and scattered areas heavy to oak poles, hold 10 years for age diversity
4139 - Aspen, Mixed Deciduous	Poletimber Well	50.2	44		Old "DRIP" cut stand, Nice stand of young bigtooth aspen, all species growing well and healthy, hold 10 years.
6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	16.6	100	51-80	wet and hummucky terrain
6120 - Lowland Cedar	Poletimber Well	12.5	98	141-170	cedar stand with some red maple and a few balsam fir. Black ash pretty well gone. Balsam fir in understory. Too wet to operate in with equipment.
6120 - Lowland Cedar	Poletimber Well	3.0	74	111-140	Small cedar stand with some old rotten quaking aspen mixed in. Too wet to operate in.
4130 - Aspen	Poletimber Medium	7.8	44	Unspecified	Quaking aspen stand with a few red maple and jack pine. Cherry and a few oaks in understory. East edge along swamp has less aspen and more red maple/oak and is less dense. Cut now with stand to west in 71121.
4133 - Aspen, Mixed Pine	Poletimber Medium	9.8	44	Unspecified	Quaking aspen stand of D.R.I.P. cut origin. Some oak in understory. scattered jack pine and areas heavy to jack pine. Hypox canker started so needs to be cut and regenerated now. Cut as much of this stand as possible given terrain. No retention - size and health concerns. Save smaller oak?
4130 - Aspen	Poletimber Well	2.4	44	1-50	OPIC - FMD: Small stand of quaking aspen just entering pole timber size. Pin cherry and some oak in understory.
42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Well	19.9	44	1-50	D.R.I.P. cut origin jack pine, just reaching pole size and growing well, hold 10 years
4199 - Other Mixed Upland Deciduous	Sapling Well	42.4	27	Immature	Fairly equal mix of aspen, oak, and maple. Some trees approaching pole timber size, especially the aspen. Pin cherry and some oak in understory. A few jack pines present. A few spots which are fairly sparse.
4133 - Aspen, Mixed Pine	Poletimber Medium	6.6	44	1-50	Somewhat upland island with aspen poles and R/W pine SL's, no access as surrounded by bog, lowland brush, or water
4310 - Pine, Oak Mix	Poletimber Well	27.3	44	51-80	D.R.I.P. cut origin jack pine, JP ranges from decent quality to extremely poor quality, aspen is all poor quality trembling aspen, consider cutting all or part of this stand and regenerating to red or jack pine.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
18	4132 - Aspen, Jack Pine	Poletimber Well	43.1	44	51-80	Pole timber quaking aspen stand, decent aspen clones separated by more open areas with oak and pin cherry. Oak and pin cherry in understory. A few scattered areas heavier to jack pines. All species are poor quality. Aspen heaviest in south part of the stand. Consider harvesting this entry period.
19	42220 - Natural Jack Pine	Poletimber Well	26.9	44		JP small yet, could stand to grow more
20	4130 - Aspen	Poletimber Medium	14.2	44	Unspecified	fair quality aspen stand mixed with oak and pine, stand slopes to the north into a frost pocket, cut or hold as needed for balancing aspen age classes in the MA, will need to use SMT to access stand.
22	4125 - Black, N. Pin Oak	Poletimber Medium	19.6	44	51-80	stump sprout origin oak, poor quality black and pin oak, small diameters yet, scattered pine SL's and Balsam fir poles
23	4130 - Aspen	Poletimber Well	84.5	44		mostly BTA but some quaking aspen also, scattered conifers and oak, hold this stand due to high BTA component
24	4130 - Aspen	Sapling Well	13.2	27	Immature	Good bigtooth aspen stand. Most areas approaching pole timber size. Growing well.
25	4199 - Other Mixed Upland Deciduous	Sapling Poor	63.0	7	Immature	Cut fall of 2010, left scattered oak and pine SL's and poles
26	4199 - Other Mixed Upland Deciduous	Poletimber Medium	7.0	44	51-80	
27	42120 - Planted Jack Pine	Poletimber Well	28.7	53	111-140	Thick plantation of jack pine which is thinning itself out naturally, decent quality but fairly skinny (chipper wood) because of the close spacing - looks like 5 x 4 or 6 x 5, there is some roundwood also, looks like mostly oak and PC in the sub-canopy and everything is heavily browsed, lots of cones on the ground but there is a thick mossy ground cover and heavy shade, jack pine is starting in the few spots which have more sunlight like the old skid trail going into Stand 25, hold until next YOY or treat now with SW or final harvest
30	4131 - Aspen, Oak	Poletimber Well	35.0	44		Nice BTA stand, largest aspen just starting to reach sawlog size, hold for 10 more years to let sawlogs grow some more
31	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Medium	6.4	15	Immature	Planted jack pine with some oak, pin cherry, and aspen sprouts.
32	4132 - Aspen, Jack Pine	Poletimber Medium	30.9	44	Unspecified	Decent aspen but starting to get hypoxylon canker, scattered less dense areas with oak and pin cherry, scattered jack pine poles also.
33	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Well	40.6	44		D.R.I.P. cut origin jack pine, JP ranges from decent quality to extremely poor quality, aspen is all poor quality trembling aspen, consider cutting all or part of this stand and regenerating to red or jack pine.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
35	4139 - Aspen, Mixed Deciduous	Poletimber Well	13.4	44	Unspecified	Quaking aspen stand of D.R.I.P. cut origin. Some oak in understory in drier areas. Poor access. Treat when Stand 38 to the west in 71123 is treated?
36	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	31.3	15	Immature	OPIC - FMD: Planted jack pine. Some areas filled in with natural jack pine regen. Some cherry and oak regen mixed in.
39	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	127.8	15	Immature	OPIC - FMD: Planted jack pine in 2002. Has a fair amount of oak stump sprouts. Some pin cherry and aspen clones present.
43	42220 - Natural Jack Pine	Poletimber Well	6.0	44	Unspecified	jack pine with a small aspen inclusion on the west end, jack pine and aspen decent quality and growing well, hold 10 years
44	4126 - White, Black, N. Pin Oak	Sawtimber Medium	17.7	105	51-80	Poor quality mixed oak stand. Has some white oak and jack pine also Cherry and a few oaks in the understory. Lots of blow-down occurring now as stand is starting to fall apart. Lots of FW cutting and new trails created from FW cutting are all over this stand. Needs to be regenerated now or just walk away and leave it. Possibly SW and then under-plant red pine.
46	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	10.1	44	51-80	mix of jack pine, TA, red maple, crappy oak, and pin cherry; hypox canker starting on aspen so should be cut, not a good hardwood site - frost pocket?
47	4131 - Aspen, Oak	Poletimber Well	29.5	44		OPIC - FMD: D.R.I.P. cut origin aspen. Mostly bigtooth aspen with some red maple, oak and a few jack pine. Some oak in understory. Scattered pine also.
48	4130 - Aspen	Poletimber Medium	6.4	44	Unspecified	Quaking aspen stand with a few jack pine scattered and in clumps, aspen is clonal and separated by upland brush with some jack pine. West part burned in April 2015. Could hold 10 years if desired.
51	42220 - Natural Jack Pine	Poletimber Well	4.7	44	81-110	Small pocket of jack pine surrounded by aspen/oak/upland brush. Pin cherry and oak understory. Cut if surrounding aspen is treated. All species are poor quality. Possibly leave tops for Nat JP regeneration.
54	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	17.0	14	Immature	Stand has some good jack pine regeneration on south end of stand along the road(planted?). Stand fades to aspen/red maple stand with jack pine mixed in to the north.
103	4139 - Aspen, Mixed Deciduous	Poletimber Well	11.0	44	81-110	Old "DRIP" cut stand. Nice stand of youngish big tooth aspen. Difficult access due to terrain and private property. Hold 10 years.
139	42220 - Natural Jack Pine	Sapling Well	63.8	26	Immature	OPIC - FMD: Thick planted jack pine with more open areas of natural jack pine
203	4139 - Aspen, Mixed Deciduous	Poletimber Well	6.4	44	81-110	Old "DRIP" cut stand. Nice stand of youngish bigtooth aspen. Difficult access due to terrain and private property. Hold 10 years.



Stand	Cover Type	Acres	Managed Site	General Comments:
4	6225 - Bog	15.1	No	Bog around Lanes Lake
9	320 - Upland Shrub	54.5	No	OPIC - FMD: Thick cherry brush with some scattered wolfy jack pine. A few oak stump sprouts and small aspen clumps, frost pocket?
10	622 - Lowland Shrub	21.6	No	OPIC - FMD: Tag alder and some willow brush.
11	6225 - Bog	3.4	No	
21	310 - Herbaceous Openland	4.3	No	Thin narrow "G" type along private property and west end of JP plantation, parts have pockets of trees
28	310 - Herbaceous Openland	6.0		Trenched in 2009; Planted to red pine in 2010
29	330 - Low-Density Trees	1.4	No	grassy opening with scattered jack pines
34	6233 - Wet Meadow	4.4	No	encroaching Conifers
37	330 - Low-Density Trees	2.4	No	Grassy opening with encroaching jack pine and aspen saplings, somewhat wet in spots
38	500 - Water	6.4	No	LANES LAKE.
40	6224 - Treed Bog	1.9	No	sparse, boggy jack pine surrounded by bog, stand continues into 71121 to the west but is more upland in that compartment, no access due to terrain
41	310 - Herbaceous Openland	0.7	No	scattered jack pine in a somewhat wet meadow
42	320 - Upland Shrub	13.6	No	upland shrub stand with lots of pin cherry and scattered oak and pine poles/SL's
53	320 - Upland Shrub	11.1	No	upland brush stand with scattered merchantable trees and lots of pin cherry
56	622 - Lowland Shrub	11.2	No	
110	622 - Lowland Shrub	5.5	No	Tag alder and some willow brush, parts flooded
138	500 - Water	7.7	No	Small wetland just east of Lanes lake.