



# Compartment Review Presentation

## Roscommon Forest Management Unit

Compartment 71043

Entry Year 2020

Acreage: 2,560

County Roscommon

Management Area: Upper Muskegon

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**Revision Date:** 2018-08-06

**Stand Examiner:** Dale Ekdom

**Legal Description:**

T24N, R01W Sections 5 - 10

**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 mostly Rubicon and Saugatuck sands with smaller amounts of Grayling and Roselawn sands, and Newton loamy sands. Soils on the lowlands consist mainly of Rifle peat with smaller amounts of Greenwood, Houghton, Tawas, and Lupton mucks. The topography is generally flat to gently rolling glacial outwash plain with numerous potholes and broad drainages.

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

Much of this compartment is under state ownership as well as much of the surrounding area being under state ownership. Sections 6, 9, and 10 contain private parcels. Private property is mostly forested with permanent residences. There are two private hunt clubs north and east of Section 10 (The Beaver Pond Club and the old Vaundersosa Ranch). Backus Township Park is in the SE 1/4 of Section 9. Backus Creek State Game Area is to the north of this compartment.

**Unique Natural Features:**

Element occurrences for Ram's Head Lady Slipper and Secretive Locust have been recorded in the compartment. A Great Blue Heron rookery and Osprey nests have been recorded in adjacent compartments. In addition, Common Loon and Bald Eagles have been recorded nesting within the compartment and in adjacent compartments.

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

None known

**Special Management Designations or Considerations:**

Backus Creek State Game Area lies to the north of the compartment.

**Watershed and Fisheries Considerations:**

Backus Lake and Backus Creek Flooding lie to the north of this compartment. Numerous drainages which flow into these bodies of water lie in the compartment. This compartment and adjacent compartments are the headwaters of Backus Creek.

**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. Continued aspen management is especially beneficial for grouse in areas adjacent to the SGA. Several wildlife openings are found within the compartment and are managed to benefit deer and turkey.

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

Active sand/gravel pits are located in the general area, but there appears to be potential for just some minor amounts of sand within the compartment. There has been some minor historical oil production from the Denton Creek Field two miles south of the compartment. There has been sparse exploration in the area. Two wells in the area tested Devonian

formations and were both dry holes. Most of the state-owned mineral rights in the compartment are currently leased. Marathon holds these leases and they have been divesting of their interests in the state. There is no known metallic mineral potential in this part of the state.

**Vehicle Access:**

Vehicle access is very good throughout the compartment via the M-55 highway corridor, county roads, and forest roads.

**Survey Needs:**

None necessary at this time.

**Recreational Facilities and Opportunities:**

There are no designated recreational facilities in this compartment but because of its close proximity to Prudenville and surrounding communities and easy vehicle access, the area provides ample hunting opportunities for deer, grouse, rabbit and other game species as well as waterfowling opportunities on the adjacent SGA.

**Fire Protection:**

There are only a few stands with high hazard fuels in the compartment, mostly in the SW corner of the compartment. Access in this compartment for fire suppression is limited in some areas due to the wet terrain.

**Additional Compartment Information:**

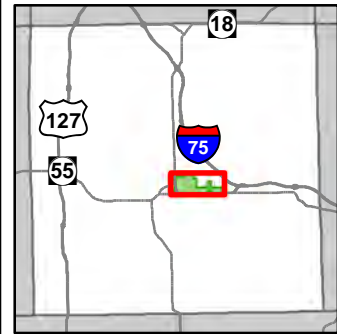
**The following reports from the Inventory are attached:**

- 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:**

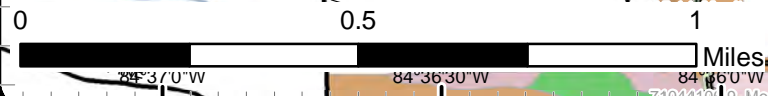
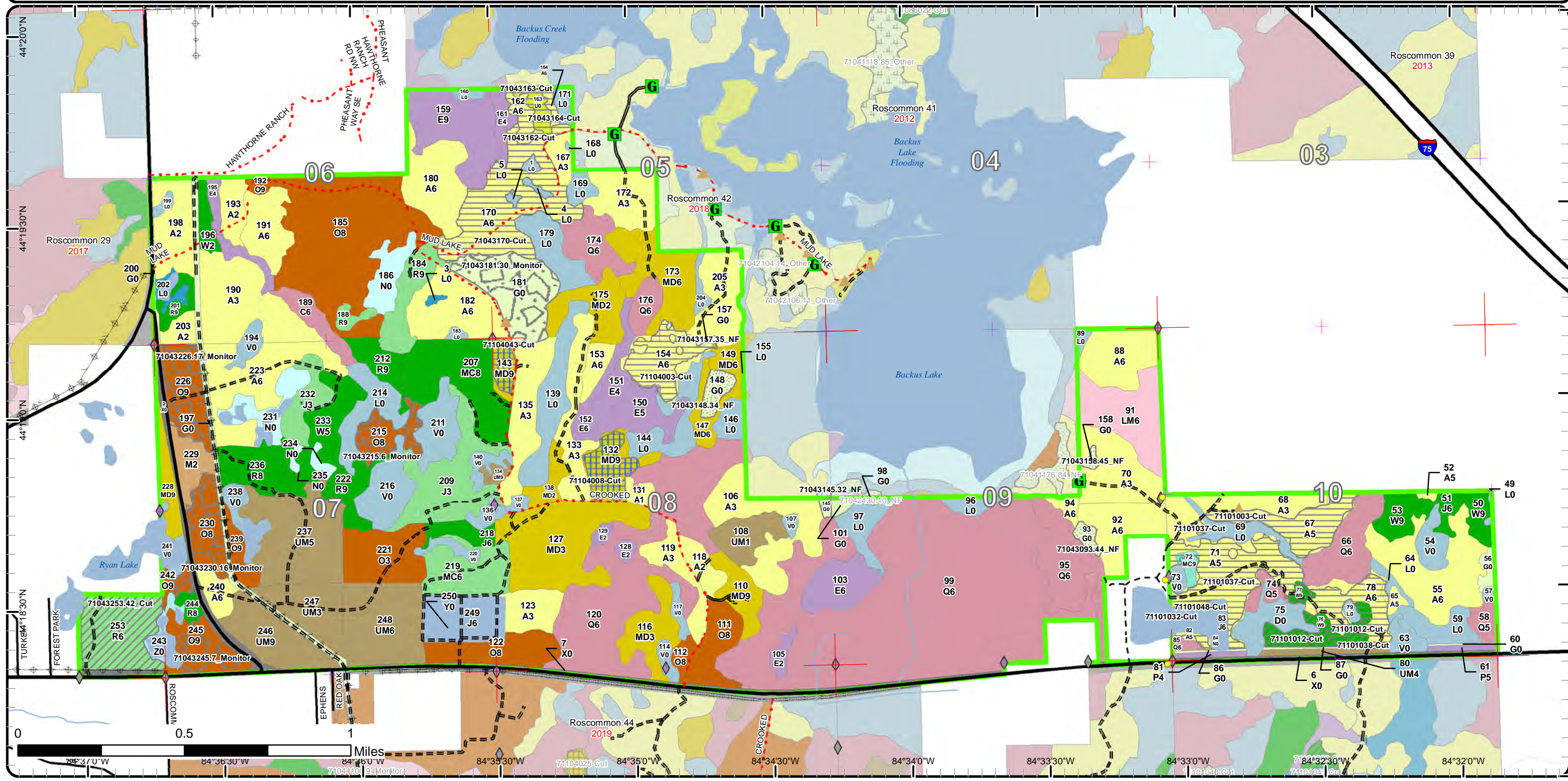
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

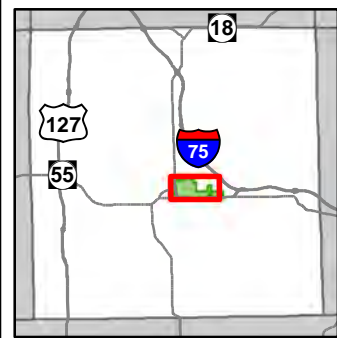


Compartment: 43  
 T22N, R02W, Sec. 5-10, 16, 17  
 T22N, R03W, Sec. 12  
 County: Roscommon  
 Unit: Roscommon  
 Mgmt Area: Upper Muskegon  
 YOE: 2020  
 Acres: 2,560 GIS Calculated  
 Examiner: Dale Ekdorn  
 Map Revised: 1/9/2019  
 Map Phase: Post-Review

- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- == DNR - Secondary Forest Road
- == DNR - Forest Access Route
- == Federal / State Highway
- == Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- ▲ Berms
- G** Gate
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Pipeline
- ⊕ Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- ▨ Seed Tree (w/Reserves)
- ▨ Thinning (Crown, Low, Systematic)
- ▨ Regeneration Survey
- ▨ Opening Maintenance
- ▨ Mowing
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland
- 710 - Sand/Soil
- Lakes

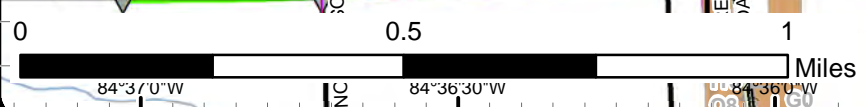
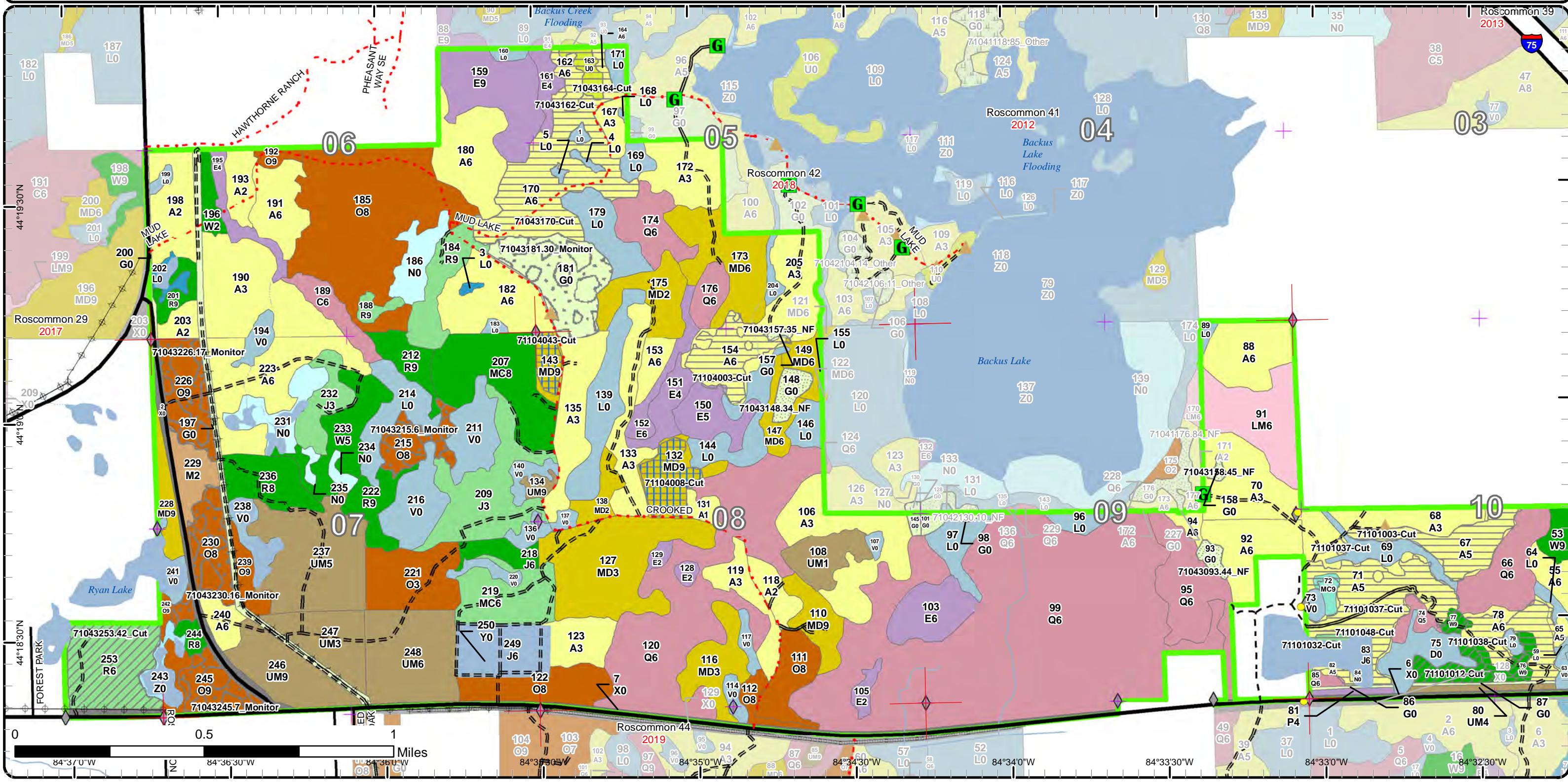


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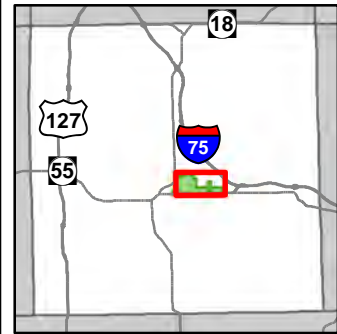


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- |  |  |  |
|--|--|--|
| <ul style="list-style-type: none"> <li>— Miris Corners</li> <li>— Remonumented Section Corners</li> <li>● Survey Grade Corners</li> <li>◆ Field Grade Corners</li> <li>--- Counties</li> <li>== DNR - Secondary Forest Road</li> <li>== DNR - Forest Access Route</li> <li>== Federal / State Highway</li> <li>== Federal / State / County - Paved Road</li> <li>--- Federal / State - Dirt / Gravel Road</li> <li>--- County - Gravel Road</li> <li>▲ Berms</li> <li>Ⓜ Gate</li> <li>--- Intermittent Stream</li> </ul> | <ul style="list-style-type: none"> <li>— Lake/Pond</li> <li>— Perennial River</li> <li>— Lakes and Rivers All</li> <li>--- Pipeline</li> <li>⊕ Powerline</li> <li>⬡ Compartment Boundary</li> <li>⬡ Clearcut (w/Reserves)</li> <li>⬡ Seed Tree (w/Reserves)</li> <li>⬡ Thinning (Crown, Low, Systematic)</li> <li>⬡ Regeneration Survey</li> <li>⬡ Opening Maintenance</li> <li>⬡ Mowing</li> <li>■ 411 - Northern Hardwood</li> <li>■ 412 - Oak Types</li> <li>■ 413 - Aspen</li> </ul> | <ul style="list-style-type: none"> <li>■ 419 - Mixed Upland Deciduous</li> <li>■ 421 - Planted Pines</li> <li>■ 422 - Natural Pines</li> <li>■ 429 - Mixed Upland Conifers</li> <li>■ 430 - Upland Mixed Forest</li> <li>■ 611 - Lowland Deciduous Forest</li> <li>■ 612 - Lowland Coniferous Forest</li> <li>■ 613 - Lowland Mixed Forest</li> <li>■ 122 - Roads/Parking Lot</li> <li>■ 310 - Herbaceous Openland</li> <li>■ 330 - Low Density Trees</li> <li>■ 500 - Water</li> <li>■ 622 - Lowland Shrub</li> <li>■ 623 - Emergent Wetland</li> <li>■ 629 - Mixed non-forested wetland</li> <li>■ 710 - Sand/Soil</li> <li>■ Lakes</li> </ul> |
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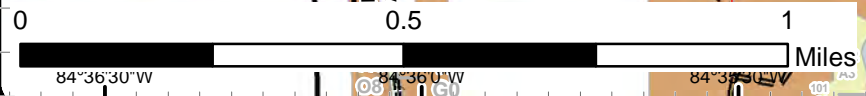
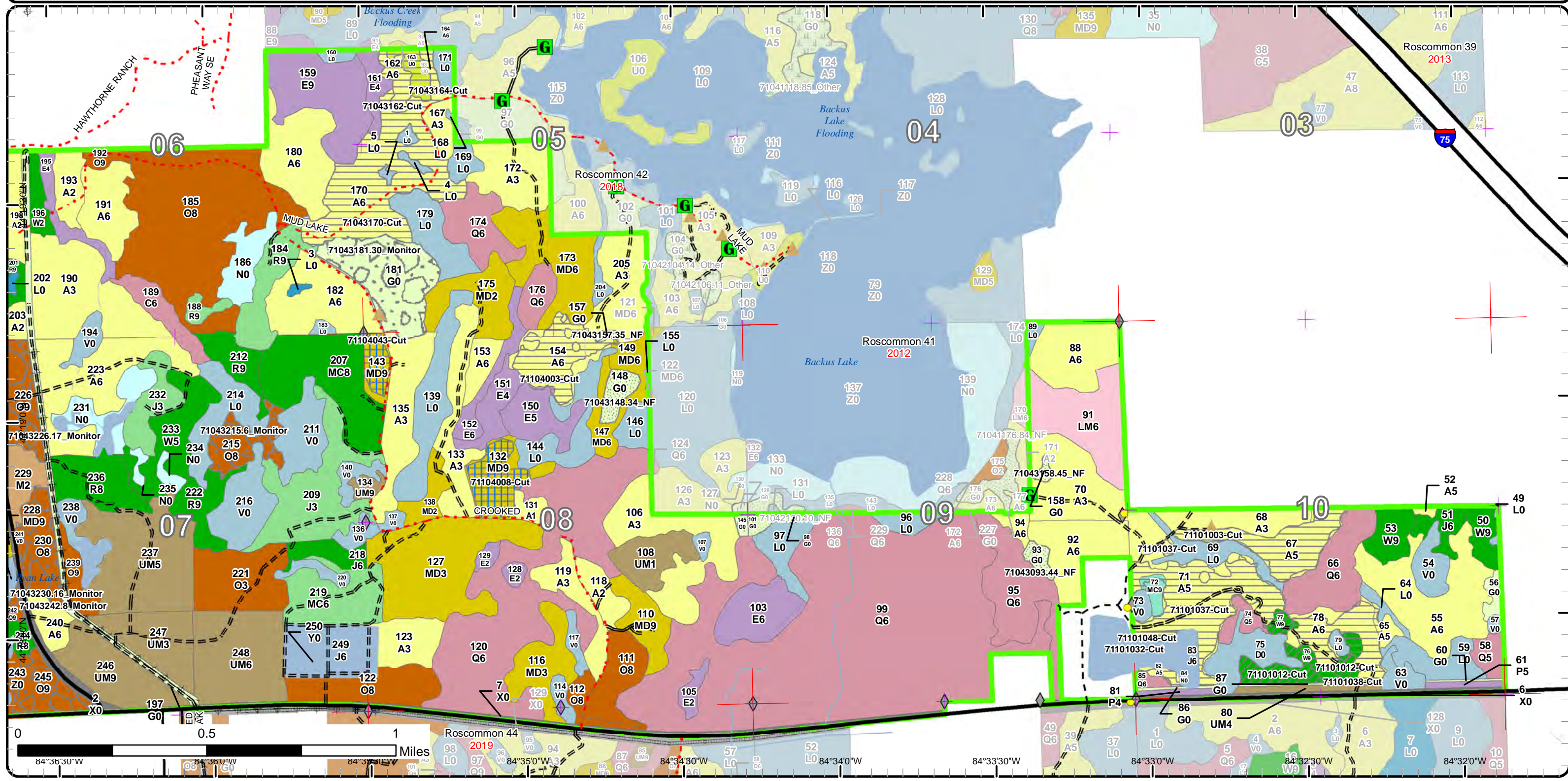


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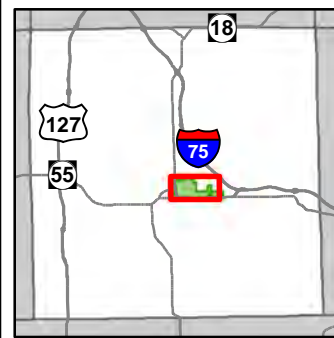


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- |   |                                     |                                    |         |
|---|-------------------------------------|------------------------------------|---------|
| — Miris Corners                         | — Lake/Pond                         | ■ 419 - Mixed Upland Deciduous     | ■ Lakes |
| + Remonumented Section Corners          | — Perennial River                   | ■ 421 - Planted Pines              |         |
| ● Survey Grade Corners                  | ■ Lakes and Rivers All              | ■ 422 - Natural Pines              |         |
| ◆ Field Grade Corners                   | — Pipeline                          | ■ 429 - Mixed Upland Conifers      |         |
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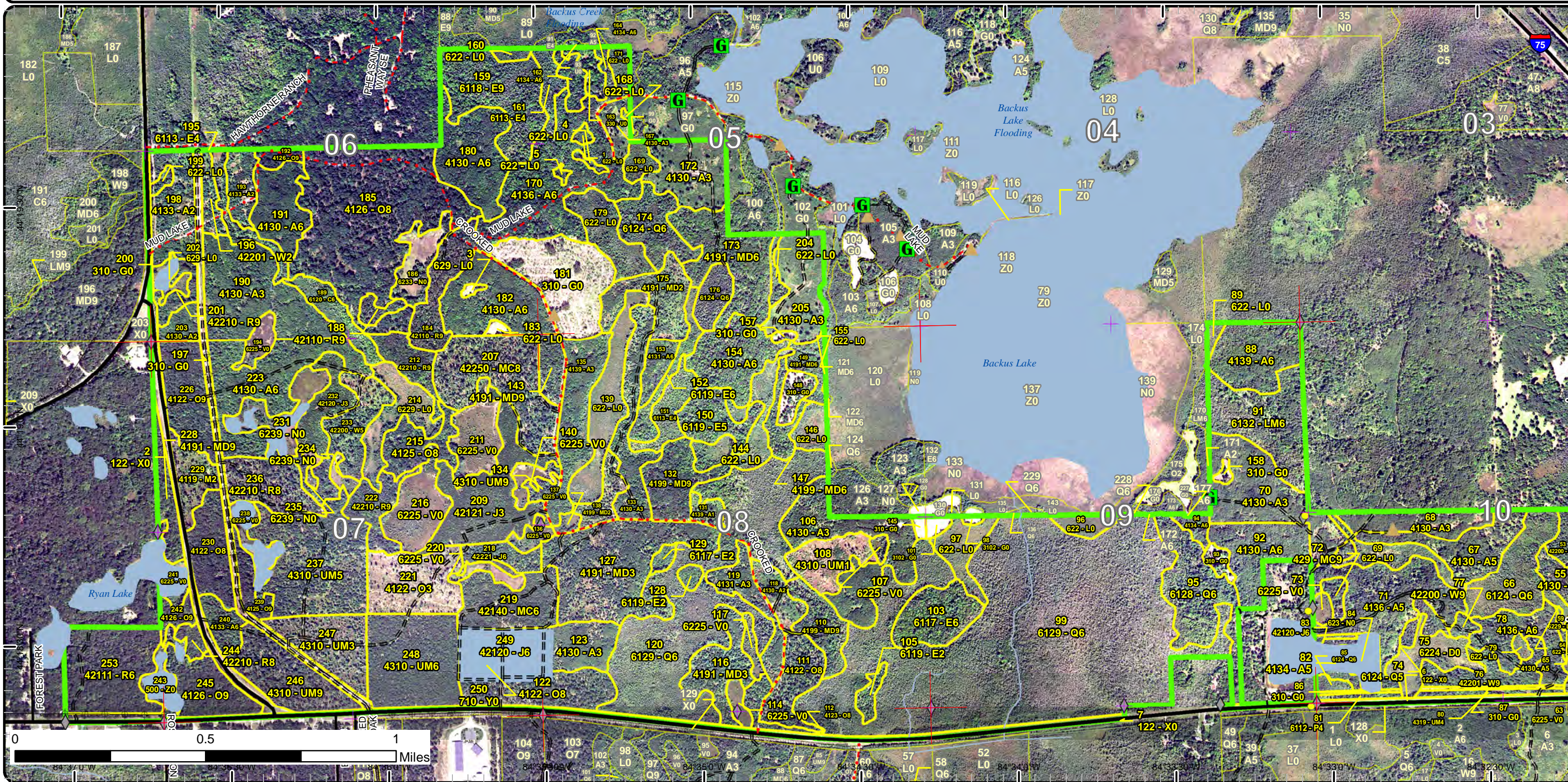


# Stand Boundary Map

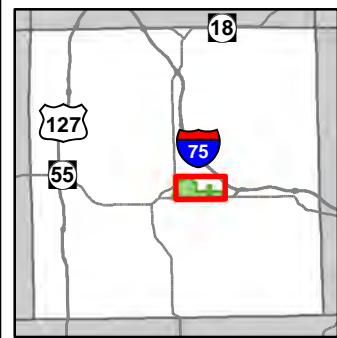


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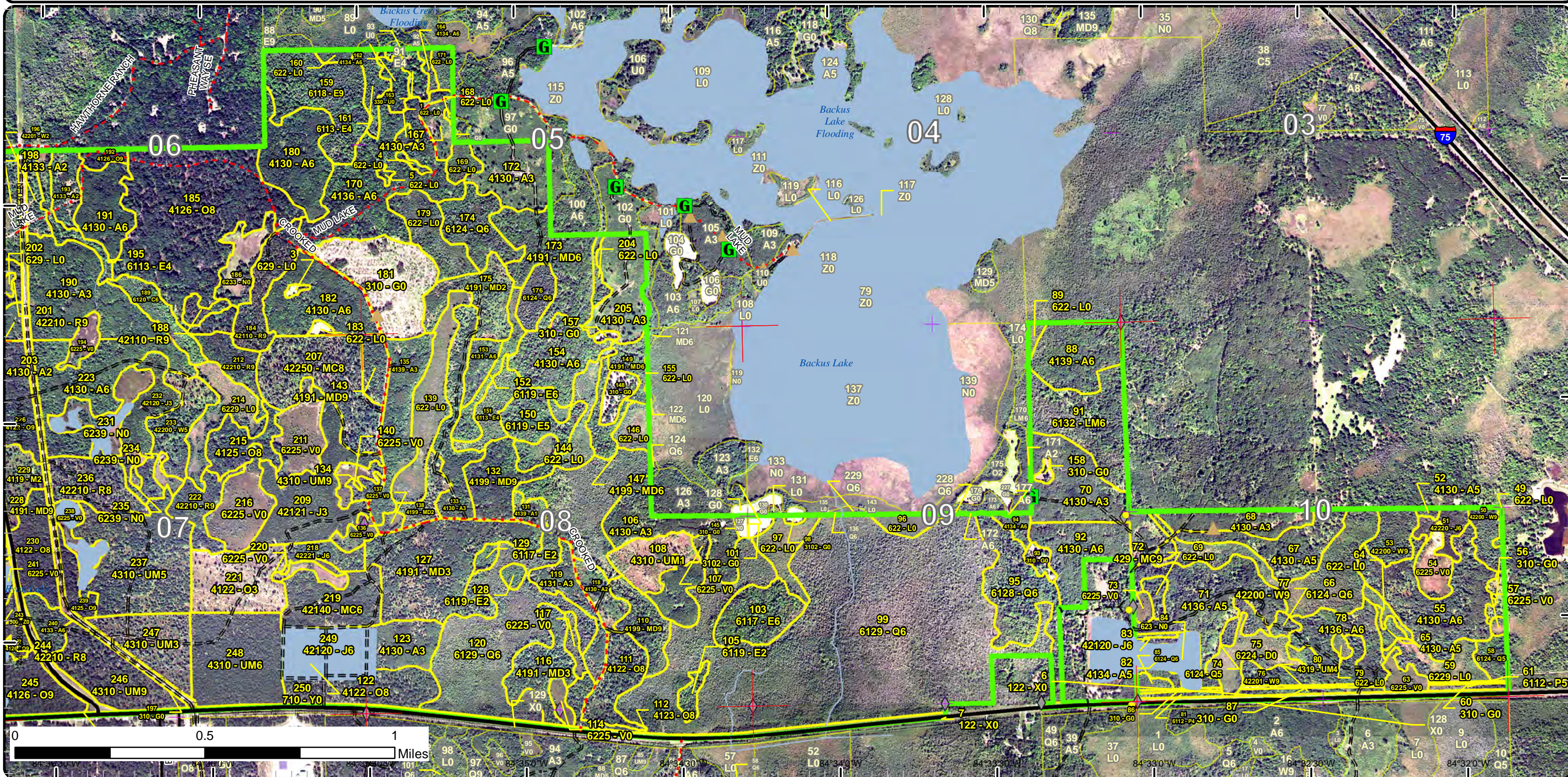


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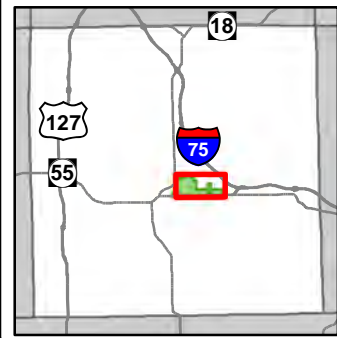




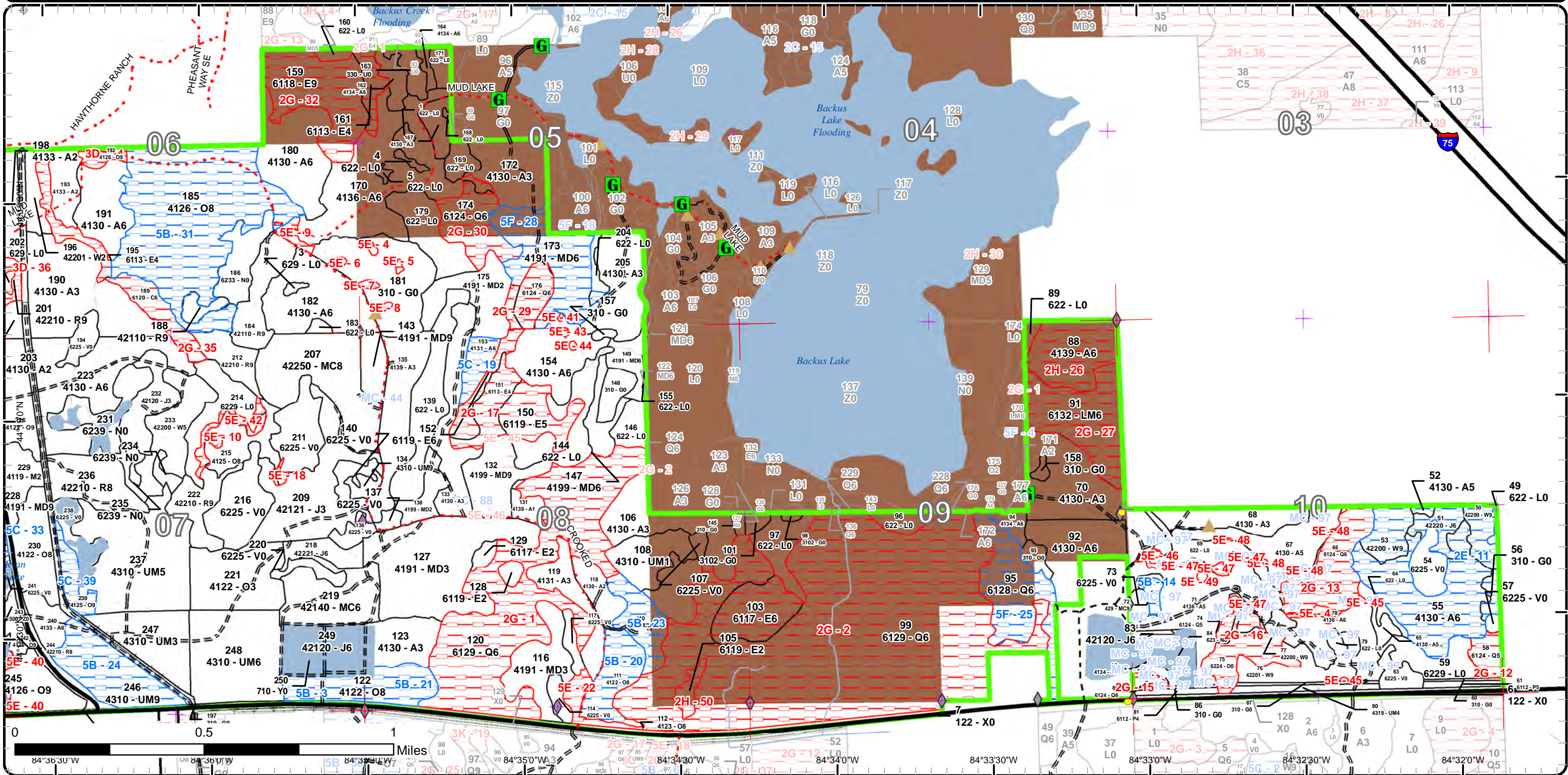


# Special Conservation Areas & Site Conditions Map

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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2E: Road needed
- 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)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3D: Recreational / Scenic values
- 5E: Long-Term Retention
- Stand Boundaries
- Wildlife Management Areas



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	49	95	136	151	144	90	0	0	0	0	0	0	0	0	0	0	0	664
Bog	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91
Cedar	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10
Herbaceous Openland	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75
Jack Pine	0	0	0	56	0	6	23	0	0	0	0	0	0	0	0	0	0	0	85
Low-Density Trees	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Lowland Aspen/Balsam Poplar	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Conifers	0	0	0	0	0	0	0	0	0	8	425	0	0	0	0	0	0	0	433
Lowland Deciduous	0	0	0	6	0	0	11	0	0	0	90	0	0	0	0	0	0	0	106
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	31
Lowland Shrub	144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144
Marsh	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Mixed Upland Deciduous	0	0	18	58	18	0	43	0	0	0	47	0	0	0	0	0	0	0	184
Natural Mixed Pines	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	0	0	0	38
Northern Hardwood	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Oak	0	26	0	0	0	0	0	0	0	0	45	168	0	0	0	0	0	0	238
Planted Mixed Pines	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Red Pine	0	0	0	0	0	0	0	0	43	61	0	0	0	0	0	0	0	0	104
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Treed Bog	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Upland Conifers	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
Upland Mixed Forest	0	0	35	38	48	4	0	0	0	0	28	0	0	0	0	0	0	0	153
Urban	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Water	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
White Pine	0	0	0	0	0	6	22	0	0	9	23	0	0	0	0	0	0	0	60
<b>Total</b>	<b>413</b>	<b>86</b>	<b>148</b>	<b>318</b>	<b>217</b>	<b>162</b>	<b>189</b>	<b>0</b>	<b>81</b>	<b>78</b>	<b>702</b>	<b>168</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2559</b>



## Report 2 – Treatment Summary

Roscommon Mgt. Unit  
Year of Entry: 2020

Acres of Harvest

Compartment 43  
Total Compartment Acres: 2,560

Commercial Harvest - 229  
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	156	0	0	0	0	0	0	0	0	156
Jack Pine	6	0	0	0	0	0	0	0	0	6
Low-Density Trees	5	0	0	0	0	0	0	0	0	5
Mixed Upland Deciduous	0	0	0	19	0	0	0	0	0	19
Red Pine	0	0	0	0	0	33	0	0	0	33
White Pine	0	0	0	0	0	11	0	0	0	11
<b>Total</b>	<b>167</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>229</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	229	0	0	0	0	0	97	0	13	338
Next Step	0	0	0	0	0	0	185	0	13	198
<b>Total</b>	<b>229</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>282</b>	<b>0</b>	<b>25</b>	<b>536</b>



St 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
93	71043093.44_ NF	3.0	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Mowing	310 - Herbaceous Openland		Draft Field Boundary

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

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Backus Field 31.

Specs:

Next Step NonForestMgt, Mowing

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 12/30/1899

145	71043145.32_ NF	2.0	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Backus Field 31.

Specs:

Next Step NonForestMgt, Herbaceous/Crop/Grass Planting

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2016

148	71043148.34_ NF	5.6	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Backus Field 27.

Specs:

Next Step NonForestMgt, Mowing

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2016

157	71043157.35_ NF	0.8	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Backus Field 26.

Specs:

Next Step NonForestMgt, Mowing

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2016



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
158	71043158.45_ NF	1.2	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Mowing	310 - Herbaceous Openland		Draft Field Boundary

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

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Backus Field 29.

Specs:

Next Step NonForestMgt, Mowing

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 7 /31/2013

162	71043162-Cut	5.1	4134 - Aspen, Spruce/Fir	Poletimber Well	58	Unspec ified	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Final harvest for aspen management, mark out any areas heavy to oak as leave islands for wildlife mast, use appropriate buffers on any internal

Specs: wet areas and along the wetter edges

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen:

Other

no specific retention due to stand size, use drumming log and brush pile specs in this stand

Comment:

Proposed Start Date: 10/1 /2019

163	71043163-Cut	4.9	330 - Low-Density Trees	Nonstocked		Unspec ified	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription final harvest leaving 3-4 islands in areas heavy to oak out of the sale for mast as requested by WLD

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any amount and type of regeneration is acceptable

Regen:

Other

expand cut into St #93 to the north in the adjacent compartment, use drumming log spec in this stand

Comment:

Proposed Start Date: 10/1 /2019

164	71043164-Cut	2.0	4134 - Aspen, Spruce/Fir	Poletimber Well	58	Unspec ified	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Final harvest for aspen management, mark out any areas heavy to oak as leave islands for wildlife mast, use appropriate buffers on any internal

Specs: wet areas and along the wetter edges, no specific retention due to stand size.

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 and brush pile spec in this stand, cut with surrounding stands

Comment:

Proposed Start Date: 10/1 /2019



Stand Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
170 71043170-Cut	50.5	4136 - Aspen, Mixed Conifer	Poletimber Well	58	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

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

Prescription buffer wetter edges and paint out interior wet pockets as necessary, leave retention as islands in areas heavy to oak so they can function as  
Specs: wildlife mast also

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 and brush pile specs in this stand  
Comment:

Proposed Start Date: 10/1 /2019

181 71043181.30_Monitor	32.0	310 - Herbaceous Openland	Nonstocked		Unspecified	Monitoring	Natural Regen (Intermediate)	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Treatment changed to CCR per Chapter 7 dated 7/17/2012 to manage for hardwood understory. Final Harvested Fall, 2015.  
Specs:

Next Step  
Treatments:

Acceptable Any combination of hardwood and pine to a fully stocked stand  
Regen:

Other Percent to Treat = 100%  
Comment:

Proposed Start Date: 3 /14/2016

207 71043215.6_Monitor	12.0	42250 - Pine, Oak	Sawtimber Medium	75	1-50	Monitoring	Natural Regen (Re-Inventory)	412 - Oak Types	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription  
Specs:

Next Step  
Treatments:

Acceptable Manage stand for oak and red maple stump sprout regeneration with a pine component.  
Regen:

Other Percent to Treat = 100%  
Comment:

Proposed Start Date: 10/30/2017

226 71043226.17_Monitor	20.5	4122 - Oak, Pine	Sawtimber Well	100	51-80	Monitoring	Natural Regen (Re-Inventory)	412 - Oak Types	Two-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription  
Specs:

Next Step  
Treatments:

Acceptable Regeneration should be oak and white pine to a fully stocked stand.  
Regen:

Other Percent to Treat = 100%  
Comment:

Proposed Start Date: 10/30/2017



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
230	71043230.16_Monitor	16.0	4122 - Oak, Pine	Sawtimber Medium	100	51-80	Monitoring	Natural Regen (Re-Inventory)	412 - Oak Types	Two-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u>											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> oak and white pine to a fully stocked stand.											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/30/2017											
2	71043242.8_Monitor	2.3	122 - Road/Parking Lot	Nonstocked		Unspec ified	Monitoring	Natural Regen (Re-Inventory)	412 - Oak Types	Two-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u>											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> oak and white pine to a fully stocked stand.											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/30/2017											
245	71043245.7_Monitor	14.0	4126 - White, Black, N. Pin Oak	Sawtimber Well	95	81-110	Monitoring	Natural Regen (Re-Inventory)	412 - Oak Types	Two-Aged	Draft Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u>											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> Manage stand for oak stump sprouts and white pine.											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/30/2017											
253	71043253.42_Cut	32.5	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	83	141- 170	Harvest	Low Thinning	4211 - Planted Red Pine	Two-Aged	Field Boundary
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Remove all aspen to a 2 inch d.b.h.. Mark to remove red pine that are stunted, poorly formed, to have a residual basal area of around 120											
<u>Specs:</u> average. This may be less where the starting basal area is less. Leave the large crowned/diametered oaks for mast/wildlife and clean up underneath removing stunted pine and oaks to open a future seed bed for oaks. Side to leaving white oaks when possible also. These oaks are hollow also and will be great snags in the future. No retention needed.											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> Red pine with a mix of oak.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2016											



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
67	71101003-Cut	20.0	4130 - Aspen	Poletimber Medium	44	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Field Boundary - Ready for VMS

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

Prescription final harvest for aspen management, mark up to 2 oak/pine per acre to leave for mast/diversity, mark oak in clumps of 3+ trees where feasible,  
Specs: buffer wetland areas for retention where necessary for BMP's, use brush pile and drumming log spec especially along the east/south edges

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any amount of aspen and other species

Regen:

Other areas that do not regenerate well to aspen will function as semi-open areas for wildlife habitat purposes

Comment:

Proposed Start Date: 10/1 /2018

76	71101012-Cut	9.3	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	99	171- 200	Harvest	Low Thinning	42201 - Natural White Pine, Mixed Deciduous	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Thin from below to 120 SF, remove hardwoods first and then thin pine to target BA

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2018

77	71101013-Cut	1.7	42200 - Natural White Pine	Sawtimber Well	89	171- 200	Harvest	Low Thinning	4220 - Natural White Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Thin from below to 120 SF, Clean up hardwoods first and then thin pine to target BA

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2018

82	71101032-Cut	3.8	4134 - Aspen, Spruce/Fir	Poletimber Medium	54	Unspec ified	Harvest	Clearcut	413 - Aspen	Even-Aged	Field Boundary - Ready for VMS
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**Habitat Cut: No****Site Condition:**

Prescription final harvest for aspen management, cut when dry or frozen, no retention due to small size of the stand, watch BMP's in the stand

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any type/amount of regeneration

Regen:

Other

Comment:

Proposed Start Date: 10/1 /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
71	71101037-Cut	36.1	4136 - Aspen, Mixed Conifer	Poletimber Medium	47	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Field Boundary - Ready for VMS

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

Prescription final harvest for aspen management, mark up to 2 pine per acre for diversity, leave all oak, leave part or all of the north and south arms for  
Specs: retention, use drumming log and the brush pile spec along the wetland edges, buffer wet edges and interior wet pockets for retention and BMP's where appropriate

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: 10/1 /2018

78	71101038-Cut	20.3	4136 - Aspen, Mixed Conifer	Poletimber Well	47	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Field Boundary - Ready for VMS
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**Habitat Cut: No****Site Condition:**

Prescription final harvest for aspen management, mark up to 2 pine /AC for diversity, leave all oak for mast, line out two 1/2 acre islands along M-55 and the  
Specs: forest two-track for retention, use drumming log and brush pile spec especially along the north and east edges, buffer around/along wet edges for retention/BMP's

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: 10/1 /2018

83	71101048-Cut	5.7	42120 - Planted Jack Pine	Poletimber Well	50	Unspec ified	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	Field Boundary - Ready for VMS
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**Habitat Cut: No****Site Condition:**

Prescription final harvest for jack pine management, leave tops for a seed source, cut when dry or frozen, no retention due to small size of stand, will need to  
Specs: watch BMP's in this stand

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any amount/type of regeneration

Regen:

Other

Comment:

Proposed Start Date: 10/1 /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
154	71104003-Cut	18.1	4130 - Aspen	Poletimber Well	53	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Field Boundary

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

Prescription final harvest with retention and manage for aspen, push out into adjacent stands as much as possible and where feasible to expand aspen,  
Specs: buffer interior wet pockets for retention, mark oak and pine XL's for diversity and mast, use grouse drumming spec

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of hardwoods and conifers to a fully stocked stand

Regen:

Other will need to access from the north and do lots of brushing and fill in at least 1 low area with fill and possibly a temp. culvert, winter cut only to

Comment: reduce damage to the wildlife openings to the north thru which we will be trucking

Proposed Start Date: 10/1 /2016

132	71104008-Cut	13.0	4199 - Other Mixed Upland Deciduous	Sawtimber Well	99	81-110	Harvest	Seed Tree with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription seed tree leaving 10-20 SF/acre of well crowned oak for mast especially in areas where aspen is sparse, leave all R/W pine for diversity and  
Specs: visual, retention will be the wet pockets on the east side and two 1/8-1/4 acre islands along the road,

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable acceptable regeneration will be combination of aspen, oak, red maple, and pine to a fully stocked stand

Regen:OtherComment:

Proposed Start Date: 10/1 /2016

143	71104043-Cut	5.8	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	98	111- 140	Harvest	Seed Tree	4139 - Aspen, Mixed Deciduous	Even-Aged	Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription final harvest/seed tree and manage for aspen-oak-pine, mark 10-20 SF of oak and 10-20 SF of R/W pine to leave where the aspen is sparse to  
Specs: leave a seed source, no retention due to the age of the aspen and the size of the stand

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable acceptable regeneration is any combination of hardwoods and pine to a fully stand, alternate regeneration is to plant red pine if aspen

Regen: regeneration fails

OtherComment:

Proposed Start Date: 10/1 /2016

**Total Treatment  
Acreage Proposed: 338.2**

## Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 43

Dale Ekdom : Examiner

Year of Entry: 2020

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions										
		With Condition	Not Available		2E	5B	5C	5F	MC	2G	2H	3D	3E	5E
664	558	<b>76</b>	30	Aspen	<b>40</b>		<b>6</b>	25	4	1	23	0		6
91	90	<b>0</b>	1	Bog						0				1
10	0	<b>0</b>	10	Cedar		<b>0</b>				10				
75	69	<b>3</b>	3	Herbaceous Openland	<b>3</b>							0		3
85	77	<b>7</b>	0	Jack Pine	<b>6</b>				1					0
5	5	<b>0</b>	0	Low-Density Trees										
4	4	<b>0</b>	0	Lowland Aspen/Balsam Poplar										
432	2	<b>30</b>	401	Lowland Conifers				30		401				0
106	4	<b>0</b>	102	Lowland Deciduous						98	4			
31	0	<b>0</b>	31	Lowland Mixed Forest						31				
144	140	<b>1</b>	4	Lowland Shrub				1		0				4
34	34	<b>0</b>	0	Marsh		<b>0</b>								
184	127	<b>54</b>	2	Mixed Upland Deciduous		<b>13</b>	<b>10</b>	30	2					2
38	38	<b>0</b>	0	Natural Mixed Pines										
11	11	<b>0</b>	0	Northern Hardwood										
238	91	<b>132</b>	15	Oak		<b>125</b>	<b>7</b>			0		3		12
24	24	<b>0</b>	0	Planted Mixed Pines										
103	94	<b>0</b>	9	Red Pine		<b>0</b>				0		6		3
1	1	<b>0</b>	0	Sand, Soil										
14	0	<b>0</b>	14	Treed Bog						14				
3	1	<b>2</b>	0	Upland Conifers		<b>2</b>								
152	127	<b>25</b>	0	Upland Mixed Forest		<b>25</b>								
43	23	<b>0</b>	20	Urban									4	16
7	7	<b>0</b>	0	Water										0
60	43	<b>16</b>	0	White Pine	<b>16</b>					0				0
2,560	1,572	<b>346</b>	641	Total Forested Acres	<b>66</b>	<b>165</b>	<b>23</b>	85	7	555	27	9	4	47
	61%	<b>14%</b>	25%	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)	97	Unspecified	Unspecified	Unspecified	Unspecified

## Report 4 – Site Conditions

Roscommon Mgt. Unit

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<b>Comments:</b>							
2	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	264	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

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9	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> heavy to bog R/W pine							
11	<b>Available</b>	<b>2E: Road needed</b>	66	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	22	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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15	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	31	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
20	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

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21	Available	5B: Maintain for regeneration purposes	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
22	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	Available	5B: Maintain for regeneration purposes	13	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
24	Available	5B: Maintain for regeneration purposes	25	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
25	Available	5F: Evaluated for Forest Health Considerations	30	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
26	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	23	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

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27	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	31	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
28	<b>Available</b>	<b>5F: Evaluated for Forest Health Considerations</b>	30	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> will probably be cut next YOE							
29	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
30	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
31	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	88	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
32	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	39	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Roscommon Mgt. Unit

Dale Ekdorn : Examiner

Compartment: 43

Year of Entry: 2020

33	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
34	<b>Unavailable</b>	<b>3D: Recreational / Scenic values</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
35	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
36	<b>Unavailable</b>	<b>3D: Recreational / Scenic values</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
37	<b>Unavailable</b>	<b>3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
38	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 43

Dale Ekdorn : Examiner

Year of Entry: 2020

39	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
40	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
41	Unavailable	5E: Long-Term Retention	0	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
42	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
43	Unavailable	5E: Long-Term Retention	0	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
44	Unavailable	5E: Long-Term Retention	0	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit  
Dale Ekdorn : Examiner

Compartment: 43  
Year of Entry: 2020

45	Unavailable	5E: Long-Term Retention	2	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
46	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
47	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
48	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
49	Unavailable	5E: Long-Term Retention	0	2G: Too wet (sensitive soils, does not include access issues)	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified
<b>Comments:</b>							
50	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	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
<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

<b>Conservation Area</b>	<b>Type</b>	<b>Description</b>
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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
50	42200 - Natural White Pine	Sawtimber Well	7.0	89	171-200	nice W9 stand with mostly WP but also has some scattered RP and HW's, south end is more open with bigger trees and more encroaching hardwoods, no access w/o extensive road building due to low/wet terrain and private property
51	42220 - Natural Jack Pine	Poletimber Well	6.3	42	Unspecified	J6 but somewhat sparse in a few spots, scattered hardwoods and red pine, jack pine is healthy but still fairly small and needs to grow another 10 years at least prior to final harvest
52	4130 - Aspen	Poletimber Medium	0.9	44	Unspecified	nice aspen stand but somewhat sparse in spots, hold until next YOE and then treat with surrounding stands
53	42200 - Natural White Pine	Sawtimber Well	9.4	99	171-200	Decent W9 stand, growing well but some evidence of past weeviling with double tops, etc., fairly open understory except in a few spots where there is heavy WP saps, north end is heavier to RP (R9), recommend holding until next YOE and thinning at that time when the surrounding stands are treated, access is poor due to wet terrain and PVT property but some road building across a wet drainage would open up access to this and other stands
55	4130 - Aspen	Poletimber Well	39.3	44	Unspecified	upland stand but it is cut off by low/wet terrain and private property, mix of BTA and TA with other species, spots are fairly sparse, scattered area with pockets of J6, some spots heavy to either WP or BF in the under-story, hold until next YOE and cut with surrounding stands
58	6124 - Lowland Spruce-Fir	Poletimber Medium	5.4	93	Unspecified	fluctuating water table due to heavy beaver activity, very wet most of the year
61	6112 - Lowland Aspen	Poletimber Medium	2.2	47	1-50	BALSAM POPLAR AND T. ASPEN, NARROW STRIP, MAINTAIN AS BUFFER FOR M-55, More "L" Type on the west 1/2 of the stand
65	4130 - Aspen	Poletimber Medium	2.7	44	1-50	A6 stand in a broad drainage area, lots of small/wet pockets in the interior separated by somewhat higher ground, slow growing due to high water table
66	6124 - Lowland Spruce-Fir	Poletimber Well	23.3	99	51-80	Spruce/BF/Tamarack with cedar, spongy ground with standing water in spots, some higher ground but only in small pockets randomly scattered thru-out stand, spots heavy to E3 or "L"
67	4130 - Aspen	Poletimber Medium	20.3	44	Unspecified	MIX OF BTA/QA WITH SCATTERED OAK/RM, ALSO SOME PINE, east 1/4-13rd is fairly open and has less aspen and more oak and RM, consider cutting now for aspen age class balance in the compt/mgt area
68	4130 - Aspen	Sapling Well	14.3	18	Immature	OPIC - FMD: MOSTLY A3 EXCEPT FOR THE NORTH-EAST PORTION ALONG PRIVATE WHERE IT IS SLIGHTLY WETTER TERRAIN AND WASN'T AS WELL STOCKED WHEN CUT
70	4130 - Aspen	Sapling Well	34.2	18	Immature	OPIC - FMD: most high GROUND IS A3, LOWER GROUND is more open



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
71	4136 - Aspen, Mixed Conifer	Poletimber Medium	39.2	47	Unspecified	decent mix of BTA and QA thru-out stand, north end is more sparse, slightly wetter, and heavier to conifer with scattered wet potholes of "L" and "V" , middle part is solid A6, south arm is somewhat less dense but still has aspen, consider cutting now to balance aspen age class distribution within the compt and mgt area
72	429 - Mixed Upland Conifers	Sawtimber Well	3.1	90	51-80	over-story is RP SL/XL's with mid-canopy hardwoods and conifer poles, terrain is upland but with numerous lower and wetter pockets - especially the N and W edges, stand looks like it was cut at some point and they left the RP, north end is heavy to RP poles, wet pockets are heavy to BS/BF poles
74	6124 - Lowland Spruce- Fir	Poletimber Medium	4.7	99	1-50	spruce bog with spongy soils and fairly wet, mostly spruce/fir but has scattered pine and hardwoods
76	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	13.8	99	171-200	W9 WITH SOME AREAS HEAVY TO HARDWOODS (M9), SCATTERED WET "L" AREAS ALSO,
77	42200 - Natural White Pine	Sawtimber Well	2.2	89	171-200	POCKET OF WHITE PINE Saw Logs, Thin from below to 120 SF, Clean UP hardwoods first and then thin pine to target BA
78	4136 - Aspen, Mixed Conifer	Poletimber Well	18.3	47	51-80	SOME WETTER AREAS WITH T.A./LOWLAND BRUSH, SCATTERED PINE AND BALSAM FIR thru-out, consider cutting now for aspen age class distribution in the compt/mgt area
80	4319 - Mixed Upland Forest	Poletimber Poor	4.1	44	51-80	OPIC - FMD: ASPEN STAND BETWEEN POWERLINE R.O.W. AND M-55, BALSAM POPLAR AND T. ASPEN, SCATTERED WHITE PINE SAWLOGS AND LARGE WOLFY OAKS, MAINTAIN AS BUFFER FOR M-55
81	6112 - Lowland Aspen	Poletimber Poor	2.2	44	1-50	OPIC - FMD: WET ASPEN STAND BETWEEN POWERLINE R.O.W. AND M-55, BALSAM POPLAR AND T. ASPEN, SCATTERED WHITE PINE, MAINTAIN AS BUFFER FOR M-55
82	4134 - Aspen, Spruce/Fir	Poletimber Medium	4.4	54	Unspecified	part of a barrow pit/wetland mitigation area for M-55, north end is a high dike and is not operable, south end is upland but with the water table close to the surface, west side of the stand is somewhat lower/wetter, mix of aspen/bam, red maple, white birch, and balsam fir, still fairly small yet in diameter - slow growing due to fluctuations in the water table? Cut or hold as desired
83	42120 - Planted Jack Pine	Poletimber Well	6.3	50	Unspecified	J6 planted in an old barrow pit for M-55, some indications that this might have been the old twp dump also, water table is close to the surface, jack pine starting to fall apart and thin itself out, lots of blowdown, harvest but leave tops for a seed source?
85	6124 - Lowland Spruce- Fir	Poletimber Well	2.0	99	51-80	wet swamp with fluctuating water levels, some dead trees due to fluctuations, mostly spruce-fir with scattered WP XL's, pockets of cedar and scattered swamp hardwoods, tag alder under-story, starting to stagnate but too wet and too small to do anything with treatment-wise



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
88	4139 - Aspen, Mixed Deciduous	Poletimber Well	23.1	40	Unspecified	non-commercially cut in 1978 by removing A/RM/WB
91	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	31.0	94	Unspecified	stand has variable terrain, upland islands are RM/SL, wetter areas are dead/dying BA mixed with NWC or NWC/BF, patches of ground which were heavy to BA are now "N" with scattered trees, upland areas with TA are not worth cutting - too hard to get between patches and way over-mature such that getting any regeneration would become an issue
92	4130 - Aspen	Poletimber Well	21.6	31	Unspecified	nice regenerating stand or BTA/QA with scattered RM/BF
94	4134 - Aspen, Spruce/Fir	Poletimber Well	3.3	29	Unspecified	nice regenerating stand of aspen (mostly BTA), scattered RM and BF
95	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	29.8	98	Unspecified	stand has had HW's (A/RM/WB) removed in 1978 (non-commercially), terrain is variable and parts are operable but has some wetter pockets with Hemlock and Cedar interspersed with drier ground with WP and HW's, lots of wildlife activity evidenced in stand, higher at northern/eastern edge and grades into lower/wetter ground in the south/west edge of the stand, recommend holding 10 years and attempting to treat bulk of stand when HW's are more merchantable - cut with aspen to the east in 10 years?? - and then remove A/RM/BF/BS
99	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	246.0	98	Unspecified	cedar under tamarack with scattered HW's, stand is wet and cut by at least 1 main drainage flowing into Backus Lake
103	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	18.0	98	51-80	RM and aspen with WP and other conifers, marginally higher terrain than surrounding stands, no access due to wet terrain
105	6119 - Mixed Lowland Deciduous Forest	Sapling Medium	3.7	23	Immature	non-commercial cut over the course of 1991 -1996 for emergency deer feed, no access due to wet terrain
106	4130 - Aspen	Sapling Well	33.7	31	Immature	nice BTA regenerating, parts are reaching pole-size, will be A6 next YOE
108	4310 - Pine, Oak Mix	Sapling Poor	14.3	10	Immature	OPIC - FMD: NICE RP SL STAND W/SCATTERED HARDWOODS IN U.S., FINAL HARVEST AND PLANT RED PINE, MAY NEED RX BURN TO CONTROL BRUSH AND OTHER UNDESIRABLE REGENERATION, REPLACE EXISTING CULVERT AND GATE TWO-TRACK AT CULVERT TO CONTROL ACCESS TO WILDLIFE OPENING AND ADDRESS B.M.P. CONCERNS THROUGH WET AREA TO THE WEST OF THIS STAND.
110	4199 - Other Mixed Upland Deciduous	Sawtimber Well	12.9	98	81-110	mature decent quality R/W oak SL's and mature BTA SL's with RM poles, heavy understory of WP especially on the south 1/2 of the stand, east edge grades into swamp conifers and red maple where there is a narrow drainage between Stands 49 and 79, hold and manage for white pine at some future YOE





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
111	4122 - Oak, Pine	Sawtimber Medium	15.4	98	1-50	Shelterwood cut 2008, left well crowned oak and all R/W pine, understory is slow growing but growing well, most R/W pine is at the north end, hold 10 years, most oak saplings are from stump sprouts
112	4123 - Red Oak	Sawtimber Medium	5.2	98	81-110	uncut portion of Stand #14, left part on north edge of M-5 and west of Mud Lake Road as buffer for retention and visual
116	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	17.8	31	Immature	Cut 1988, fairly equal mix of oak/aspens/RM/JP, growing well, a narrow buffer of oak SL and W/J pine poles was left on M-55 as a buffer when stand was cut
118	4130 - Aspen	Sapling Medium	8.0	11	Immature	OPIC - FMD: RO/ASPEN POOR TO FAIR QUALITY AND DECLINING, FINAL HARVEST AND CONVERT TO ASPEN, RETAIN ALL W. OAK AND SMALLER WP FOR MAST AND DIVERSITY, COULD LEAVE RED PINE ALSO, OAK REGENERATION ACCEPTABLE WHERE ASPEN DOES NOT REGENERATE, USE "RABBITAT" SPECS - CUT MARCH 2008
119	4131 - Aspen, Oak	Sapling Well	12.7	21	Immature	Cut 1998, mix of BTA/RM/Oak/JP/WP
120	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	96.8	98	81-110	wet conifer swamp, mostly swamp conifers
122	4122 - Oak, Pine	Sawtimber Medium	22.0	100	1-50	Shelterwood cut in JAN/FEB 2010, left well crowned oak and all red/white pine, good understory of oak/A/RM/WP, stand should be held until next YOE before treating again in order for the u/s to become more established
123	4130 - Aspen	Sapling Well	14.8	21	Immature	cut and regenerated to aspen in 1998, mostly A3 but there are a few spots that are sparser (O2A1), scattered WP poles from cut also
127	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	50.7	21	Immature	OPIC - FMD: CUT 1998, LEFT RP FOR SEED SOURCE AND DIVERSITY, good regeneration of aspen/RM/JP/Oak, some areas heavy to RM3 and others are A3, R/W pine poles and SL scattered thru-out stand, hardwoods and jack pine should be pole-size next YOE
128	6119 - Mixed Lowland Deciduous Forest	Sapling Medium	2.1	53	Unspecified	OPIC - FMD: HABITAT CUT IN 1994, EVEN MIX OF FIR/WP/A/RM, SLOW GROWING BUT GOOD COVER FOR WILDLIFE
129	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Medium	2.2	25	Immature	HABITAT CUT 1994, WET POCKETS WITH "L" AND FIR U.S.
131	4139 - Aspen, Mixed Deciduous	Sapling Poor	3.9	11	Immature	Cut and regenerated in 2008, not great regeneration but should be fully stocked by next YOE, if not fully stocked in 2027, consider planting to jack pine, stand is a mix of aspen and red maple with scattered oak and pine, left all white oak and some red oak and white pine when cut,



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
132	4199 - Other Mixed Upland Deciduous	Sawtimber Well	17.0	99	81-110	Mature oak SL with aspen and red maple poles, scattered red, white, and jack pine poles/SL's, a few areas which are solid A6, east edge has some lowland runs/pockets, oak is mature and aspen is merchantable, seed tree and manage for a mix of aspen, oak, and maple
133	4130 - Aspen	Sapling Well	20.6	21	Immature	OPIC - FMD: CUT 1998, MIX OF BTA, TA, OAK, SCATTERED POLE SIZE WP
134	4310 - Pine, Oak Mix	Sawtimber Well	2.7	98	81-110	Stand was left as a buffer for the cut to the west in 71105, now stand is converting to an oak and red maple stand, stand is too small to bother with commercially, Wildlife Division suggested in 2007 YOE not to treat this stand and let it convert naturally, FRD still concurs with this proposal
135	4139 - Aspen, Mixed Deciduous	Sapling Well	23.8	31	Immature	long skinny A3 stand which was regenerated in 1988, stand is growing well and should be A6 next YOE, some wet potholes in this stand with tag alder
138	4199 - Other Mixed Upland Deciduous	Sapling Medium	7.4	21	Immature	mix of aspen, red maple, and oak; fairly sparse in spots, has low ground/higher water table in spots, mostly slow growing, cut with stand #20 but did not leave R/W pine residual, could consider planting to jack pine after roller-chopping but will do OK if we just let it go and cut it at rotation age
143	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	7.4	98	111-140	Stand was left as a buffer for cut to the west and south and consists of a mix of oak, pine, aspen, and red maple; aspen/jJP are over-mature as is most of the oak, spots are oak/pine while others are aspen/RM, aspen is slightly younger than the oak but not by much, jack pine is around 60-70 years old, stand would probably regenerate to aspen with a few bare spots if clear-cut during the dormant season to maximize aspen sprouting
147	4199 - Other Mixed Upland Deciduous	Poletimber Well	7.0	53	51-80	stand surrounds a "G" stand and is in turn surrounded by "L" and "Q" types, upland grading to lower ground as one goes south, water table is close to the surface in much of the stand, stand consists of red maple and white birch poles and SL with balsam fir poles, BF saps in the understory thru-out stand, good stand to leave alone for now, lots of wildlife sign in stand
149	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	6.6	53	51-80	aspen plus a mix of everything else, grades from upland to lowland, stand is cut in half by a drainage between St#2 and #47, cut or hold as desired, if cut - mark oak/pine to leave for diversity/mast and buffer "G" and any low/wet areas
150	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	14.1	99	81-110	stand is marginally more upland than surrounding stands which are "E" or "L", no access without a major road project across wet terrain, water table close to the surface in most of the stand, scattered pockets of "L" and wetter spots with "Q" types within stand, hummocky ground, soils are poorly to moderately drained sands and the KOTAR classification is PARVCo (north end) and PARVHA (south end), stand is just at SL size, lots of wildlife sign
151	6113 - Lowland Maple	Poletimber Poor	10.1	98	1-50	hardwood over-story with tag alder understory, black ash declining with a lot already dead, scattered swamp conifers, will probably be "L" next YOE



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
152	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	8.7	53	Unspecified	Q/E or P-type depending on the wetness of the terrain, somewhat of a natural broad drainage with lots of standing water in the hummocks, wettest spots are tag alder understory and the rest is balsam fir saplings, the north east corner is heavy to aspen and the rest is more Q or E- type
153	4131 - Aspen, Oak	Poletimber Well	6.5	53	51-80	upland aspen which grades to lowland on the west side, mix of BTA/QA with scateed red maple and oak, northwest corner is heavy to white pine and oak, aspen doing OK and should hold 10 years with no problem, recommend holding this stand due to the large amount of cutting in the compartment already
154	4130 - Aspen	Poletimber Well	21.7	53	51-80	Both BTA and QA on higher ground, stand edges and potholes have QA, scattered R/W pine SL and XL's and scattered oak SL and XL's, aspen fairly sparse in a few spots but should fill in if cut, a number of small areas are heavy to either BS, JP, or WP
159	6118 - Lowland Deciduous with Cedar	Sawtimber Well	32.6	99	Unspecified	HW overstory with cedar/balsam fir understory below, scattered WB also, converting from lowland HW's to lowland conifers, hummocky ground with high water table
161	6113 - Lowland Maple	Poletimber Poor	6.3	99		stand is a wet run of aspen/RM with scattered BF, most B AisnowdeadfromEAB, tag alder in u.s.,
162	4134 - Aspen, Spruce/Fir	Poletimber Well	5.1	58	Unspecified	transition between upland to south and lowland to north, upland stand with a few lower areas a water table close to the surface, save any areas heavy to oak for wildlife mast, no specific retention due to stand size
164	4134 - Aspen, Spruce/Fir	Poletimber Well	2.0	58	Unspecified	transition between upland to south and lowland to north and east, upland stand with a few lower areas, water table close to the surface, save any areas heavy to oak for wildlife mast, no specific retention due to stand size
167	4130 - Aspen	Sapling Well	5.8	7	Immature	cut Feb/March 2012, most spots are A3 but there are a few lower/wetter spots which are sparse due to higher water table, there is a small wet area on the north end which was in the sale but was left out uncut by the logger due to standing water.
170	4136 - Aspen, Mixed Conifer	Poletimber Well	50.6	58	Unspecified	mix of upland and lowland, mix of species and products, cut upland portions of this stand which are operable
172	4130 - Aspen	Sapling Well	21.1	7	Immature	cut Feb/March 2012, mostly has good stocking except for a few small areas which didn't regenerate well, scattered oak and pine poles/SL's left
173	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	29.7	58	81-110	mix of upland aspen/RM/Oak and some JP with wet runs/swales of mostly RM/swamp conifers, hold 10 years
174	6124 - Lowland Spruce-Fir	Poletimber Well	16.8	99	Unspecified	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
175	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	17.9	15	Immature	M9 last YOE which was cut to 4" spec in 2004, mostly upland on western arm with solid A3, east arm is 1/2 upland & 1/2 lowland with sparse spots and mostly red maple regeneration
176	6124 - Lowland Spruce- Fir	Poletimber Well	7.8	89	Unspecified	mix of mostly lowland with swamp conifers and upland with JP-WP-BS-BF and oak/RM, good deer cover, stand is going towards all aged
180	4130 - Aspen	Poletimber Well	26.9	26		cut 1993, nice aspen stand, growing well, just reaching polesize
182	4130 - Aspen	Poletimber Well	27.9	31	Unspecified	nice stand of BTA with scattered W/R pine poles & sawlogs, just reaching pole size
184	42110 - Planted Red Pine	Sawtimber Well	17.1	81	111-140	R9 stand which was thinned in 1993 by removing most HW's, Part of stand south of the county road was thinned in 2015 to 120 SF/acre by removing defect and suppressed trees, north of road left for retention/visual.
185	4126 - White, Black, N. Pin Oak	Sawtimber Medium	88.1	102	81-110	cut aspen/RM in 2004 and left oak for seed source, black oak and white oak are decent quality. SE part has a small area of under-planted RP and is better quality red and white oak. This part was thinned in 2015 and the rest of stand had fairly open understory last YOE but now white pine is filling in along with red maple, aspen, and a little oak
188	42110 - Planted Red Pine	Sawtimber Well	3.4	81	81-110	stand is R9 with scattered SL oak, thinned west 2/3rds in 1993, east part is natural W/R pine with oak poles in u.s. Thinned in 2015 to 110 SF.
189	6120 - Lowland Cedar	Poletimber Well	10.1	99	Unspecified	lowland cedar stand in drainage area with intermittent stream in center
190	4130 - Aspen	Sapling Well	39.7	26	Immature	nice A3 stand, growing well but not quite polesize yet
191	4130 - Aspen	Poletimber Well	17.8	25	Unspecified	cut 1994, nice stand of aspen, growing well, just reaching polesize
192	4126 - White, Black, N. Pin Oak	Sawtimber Well	3.3	102	51-80	cut aspen and red maple in 1994 and left O/P as clearcut buffer on sub-division to the north
193	4133 - Aspen, Mixed Pine	Sapling Medium	9.1	15	Immature	cut 2004, left smaller WP and Scattered Oak SL for visual, now 2 aged, lots of open ground but seems to be filling in gradually, leave alone and just let stand fill in on its own
195	6113 - Lowland Maple	Poletimber Poor	8.1	99		wet run with grassy marsh in center and RM/WP on edges encroaching into center, parts are "L" type
196	42201 - Natural White Pine, Mixed Deciduous	Sapling Medium	5.8	44	51-80	cut 2004, left smaller WP saplings and poles and scattered oak SL, now 2 aged



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
198	4133 - Aspen, Mixed Pine	Sapling Medium	20.2	15	Immature	cut 2004, left smaller WP and scattered oak SL, now 2 aged, fairly open but appears to be filling in gradually, possibly plant RP in more open spots but probably not worth it now
201	42210 - Natural Red Pine	Sawtimber Well	5.8	81	81-110	natural RP with WP-RM-BTA-Oak scattered thru-out stand, some parts have heavy WP in u.s. and are 2-aged going to all aged, terrain is uplands but with lots of vernal ponds and small pothole of "L",etc., good stand to leave alone for BMP's and visuals on M-18/M-157.
203	4130 - Aspen	Sapling Medium	5.2	15	Immature	cut 2004, aspen coming along nicely
205	4130 - Aspen	Sapling Well	21.8	7	Immature	cut Feb/March 2012, mostly well stocked but with a few poorly stocked areas, scattered oak and pine poles/sawlogs left when cut.
207	42250 - Pine, Oak	Sawtimber Medium	38.0	75	1-50	
209	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	35.4	22	Unspecified	
212	42210 - Natural Red Pine	Sawtimber Well	10.1	75	81-110	
215	4125 - Black, N. Pin Oak	Sawtimber Medium	12.7	100	51-80	Harvested in the spring of 2017
218	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Well	7.2	29	1-50	Mixed jack pine, aspen and oak stand. West side is heavier to oak.
219	42140 - Planted Mixed Pine	Poletimber Well	23.6	29	51-80	Mixed jack pine and red pine plantation, planted RP mixed with planted and natural jack pine, also scattered hardwoods, fairly short height-wise still but just reaching pole size, some parts fairly sparse but overall still fully stocked
221	4122 - Oak, Pine	Sapling Well	25.5	8	Immature	Scattered pine and oak supercanopy with stump sprout oak and natural jack pine seedlings.
222	42210 - Natural Red Pine	Sawtimber Well	11.6	75	81-110	Stand of 70 year old natural red pine mixed with red maple. High site index for red pine. Higher ridge on south end.
223	4130 - Aspen	Poletimber Well	36.4	32	51-80	
226	4122 - Oak, Pine	Sawtimber Well	20.3	100	51-80	Stand of mixed oak and pine. White oak and white pine have very good form. No evidence of white pine weevil problems. Black oak is in decline. Heavy understory of variable height and diameter white pine some of which makes it into the canopy. Stand has a average BA of 100. Stand was harvested in the spring of 2017



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
228	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	9.7	95	81-110	
229	4119 - Mixed Northern Hardwoods	Sapling Medium	11.1	8	Immature	Stand was cut in 2011. Scattered pine and oak were left for super canopy. 2 small wet pot holes are present. Some jack pine is present but doesn't make up 2% of the canopy.
230	4122 - Oak, Pine	Sawtimber Medium	16.8	100	51-80	Harvested in the spring of 2017
232	42120 - Planted Jack Pine	Sapling Well	13.0	20	Unspecified	
233	42200 - Natural White Pine	Poletimber Medium	21.7	50	1-50	Stand had most of the oak, maple and aspen cut last entry. Scattered mature oak, red and white pine were left for supercanopy. Canopy now consists of pole size white pine.
236	42210 - Natural Red Pine	Sawtimber Medium	17.7	75	51-80	Red pine stand that had most of the oak cut out of it except some scattered white oak. Stand has a good understory of oak and white pine.
237	4310 - Pine, Oak Mix	Poletimber Medium	47.5	31	1-50	
239	4125 - Black, N. Pin Oak	Sawtimber Well	6.7	95	81-110	Thin strip of oak and red pine between marsh and the powerline.
240	4133 - Aspen, Mixed Pine	Poletimber Well	7.3	31	51-80	
242	4126 - White, Black, N. Pin Oak	Sawtimber Well	4.2	100	51-80	Harvested in the spring of 2017
244	42210 - Natural Red Pine	Sawtimber Medium	3.3	75	51-80	Harvested in the spring of 2017
245	4126 - White, Black, N. Pin Oak	Sawtimber Well	18.1	95	81-110	Harvested in the spring of 2017
246	4310 - Pine, Oak Mix	Sawtimber Well	24.9	95	51-80	Stand was shelterwood cut last entry. Red and white pine were left. Stand has a good understory of oak and pine with some patches of aspen.
247	4310 - Pine, Oak Mix	Sapling Well	21.2	11	1-50	Scattered oak and pine super canopy trees left. Good stocking of oak and white pine saplings..
248	4310 - Pine, Oak Mix	Poletimber Well	37.7	29	1-50	
249	42120 - Planted Jack Pine	Poletimber Well	16.5	54	51-80	A few rows of red pine present.

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Roscommon Mgt. Unit

Report 7 – Forested Stands

Compartment: 43  
Year of Entry: 2020



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
253	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	34.1	83	141-170	Two aged stand with large mature/overmature oaks. There are more white oaks than red. Appear to have inter-planted red pine in the 30's. The oaks suppressed the pine for some time as evident by the size classes versus the age. Recommend thinning this stand both from above and below. Leave the large white oaks because they are longer lived and remove the stunted pine from underneath. Mange more so on the pine side. Want to keep the Basal Area around 120 in the areas where the pine is dominant. Where have oaks your B.A. maybe less after cleanup around them.



Stand	Cover Type	Acres	Managed Site	General Comments:
1	622 - Lowland Shrub	1.2	No	small wet pothole within an A6 stand
2	122 - Road/Parking Lot	13.7	No	M-157 ROW
3	629 - Mixed non-forested wetland	0.8	No	
4	622 - Lowland Shrub	1.1	No	small wet pothole within an A6 stand
5	622 - Lowland Shrub	0.8	No	small wet pothole within an A6 stand
6	122 - Road/Parking Lot	9.3	No	M-55 ROW, paved portion of road plus grassy shoulders, also contains power and pipe-line ROW
7	122 - Road/Parking Lot	19.8	No	
49	622 - Lowland Shrub	0.7	No	lowland brush with areas of E3, wet spongy ground with standing water in the lowest areas
54	6225 - Bog	8.2	No	OPIC - FMD: OI Stand Year Origin was
56	310 - Herbaceous Openland	3.0	No	NON-MAINTAINED OPENING AGAINST PRIVATE PROPERTY, ENCROACHING HARDWOODS AND CONIFERS
57	6225 - Bog	1.1	No	
59	6229 - Mixed lowland shrub	11.5	No	Stand Year Origin was 1926, fluctuating water table which is heavily impacted by beaver, parts are treed but most just has scattered trees with lowland brush
60	310 - Herbaceous Openland	0.8	No	POWERLINE R.O.W.
63	6225 - Bog	5.0	No	BOG WITH ENCROACHING SPRUCE, PINE, FIR, AND SOME H.W.'S, BEAVER ACTIVITY
64	622 - Lowland Shrub	2.6	No	"L" with E3 in spots especially on the edges, broad drainage area
69	622 - Lowland Shrub	9.9	No	OPIC - FMD: LOWLAND BRUSH WITH "Q" AND "E" TYPES ON THE EDGES, N.W. PART HAS FLOWING STREAM
73	6225 - Bog	2.4	No	BOG WITH ENCROACHING SPRUCE/PINE/FIR





Stand	Cover Type	Acres	Managed Site	General Comments:
75	6224 - Treed Bog	13.6	No	SPRUCE BOG/WET/PARTS ARE "P"
79	622 - Lowland Shrub	1.5	No	
84	623 - Emergent Wetland	3.3	No	Standing water and cat-tails, rimmed by 4-6 rows of planted jack pine
86	310 - Herbaceous Openland	1.0	No	POWERLINE R.O.W., parts are more wet meadow
87	310 - Herbaceous Openland	1.7	No	POWERLINE R.O.W.
89	622 - Lowland Shrub	1.7	No	
93	310 - Herbaceous Openland	3.0	No	
96	622 - Lowland Shrub	5.0	No	
97	622 - Lowland Shrub	10.7	No	
98	3102 - Grass	0.8	Yes	Maintained Wildlife Opening
101	3102 - Grass	1.9	Yes	Maintained Wildlife Opening
107	6225 - Bog	1.6	No	
114	6225 - Bog	3.2	No	
117	6225 - Bog	3.2	No	
136	6225 - Bog	3.9	No	encroaching conifers on edges
137	6225 - Bog	1.9	No	small wet pothole, bog/ lowland shrub stand with scattered trees
139	622 - Lowland Shrub	22.4	No	low drainage with lowland shrub
140	6225 - Bog	4.7	No	leather-leaf bog



Stand	Cover Type	Acres	Managed Site	General Comments:
144	622 - Lowland Shrub	16.1	No	low drainage with lowland shrub
145	310 - Herbaceous Openland	1.2	Yes	WILDLIFE MAINTAINED OPENING, REST OF THIS STAND IS IN COMP'T TO THE EAST (COMP'T 103 STAND #3)
146	622 - Lowland Shrub	6.1	No	LARGE WETLAND ADJACENT TO BACKUS LAKE FLOODING
148	310 - Herbaceous Openland	5.6	Yes	WILDLIFE MAINTAINED OPENING, scattered hardwood trees
155	622 - Lowland Shrub	0.3	No	LARGE WETLAND ADJACENT TO BACKUS LAKE FLOODING
157	310 - Herbaceous Openland	1.0	Yes	WILDLIFE MAINTAINED OPENING, scattered trees.
158	310 - Herbaceous Openland	1.2	No	
160	622 - Lowland Shrub	1.9	No	
163	330 - Low-Density Trees	4.9	No	open grown SL oak and maple with pole size balsam fir and white pine
168	622 - Lowland Shrub	0.4	No	
169	622 - Lowland Shrub	4.4	No	
171	622 - Lowland Shrub	3.5	No	Southern 3/4's was E4 last YOE but all the black ash has died from EAB so now stand is just tag alder with scattered aspen and red maple trees
179	622 - Lowland Shrub	15.2	No	
181	310 - Herbaceous Openland	32.6		Treatment changed to CCR per Chapter 7 dated 7/17/2012 to manage for hardwood understory. Final Harvested Fall, 2015. Visual concerns on Mud Lake Road and retention concerns were handled by putting in 5 small retention/visual islands both along Mud Lake Road and interior to the stand. Still non-forested but hardwood regeneration slowly filling in, hardwood regeneration is aspen/red maple from previous thinning in 1993 and oak/aspen/red maple regeneration from 2015 final harvest, scattered pine regeneration also. Failed berm on road thru south end of stand.
183	622 - Lowland Shrub	1.2	No	
186	6233 - Wet Meadow	11.8	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
194	6225 - Bog	5.0	No	
197	310 - Herbaceous Openland	17.5	No	
199	622 - Lowland Shrub	1.6	No	
200	310 - Herbaceous Openland	3.5	No	
202	629 - Mixed non-forested wetland	4.2	No	
204	622 - Lowland Shrub	2.7	No	
211	6225 - Bog	15.4	No	
214	6229 - Mixed lowland shrub	16.9	No	
216	6225 - Bog	17.5	No	
220	6225 - Bog	3.6	No	
231	6239 - Mixed Emergent Wetland	14.9	No	
234	6239 - Mixed Emergent Wetland	2.2	No	
235	6239 - Mixed Emergent Wetland	1.5	No	
238	6225 - Bog	8.0	No	
241	6225 - Bog	6.2	No	
243	500 - Water	7.4	No	
250	710 - Sand, Soil	1.1	No	