



# Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71010

Entry Year 2026

Acreage: 3,764

County Roscommon

Management Area: High Sand Plains

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**Stand Examiner:** Dakota Ewald

## Legal Description:

T22N R4W Sections 4-9  
T23N R4W Sections 30-32

## Identified Planning Goals:

Maintain current age and species diversity in a range of early and late successional ecosystems given access constraints due to terrain and high water table.

## Soil and topography:

Much of this compartment is part of a large bog jack pine complex. Digitized Kotar classification types the compartment as primarily PARVCo with inclusions of PARVHa. Terrain is relatively flat throughout most of the compartment and soils are Rifle peat, Newton Loamy sand, Bergland loam and clay loam, and Saugatuck sand.

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

This compartment has solid state ownership and is surrounded by state land along the southern and western boundaries. Private property runs along the northern and eastern boundaries, mostly consisting of seasonal and permanent homes on acreage and agricultural land. There is also a gravel pit in the northeastern corner of the compartment that is leased to the Roscommon County Road Commission.

## Unique Natural Features:

Black tern, osprey, least bittern, river red-horse, great blue heron, wood turtle, spotted turtle, and Rainbow mussel have been identified in the vicinity. Potential exists for marsh wren, yellow rail, king rail, American bittern, common moorhen, and Blanding's turtle.

## Archeological, Historical, and Cultural Features:

None known or detected during field work.

## Special Management Designations or Considerations:

Houghton Lake Wildlife Research Area (Porter Ranch) is a Special Conservation Area.

## Watershed and Fisheries Considerations:

Nellsville Drain and the associated wetlands including the outlet for the Houghton Lake Sewage Treatment Facility run through the center of this compartment. The northwest corner of the compartment also touches the Muskegon river.

## Wildlife Habitat Considerations:

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

## Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for metallic minerals in this part of the state. Multiple active and former sand/gravel pits exist less than one mile to the east and southeast, and the State-owned Stoney Point Pit is within the compartment, in Sec 32. The pit is currently leased to the county road commission and has very little potential to expand, either laterally or in depth (without expanding the pond that has already been created). Demand for aggregate exists in the area, but potential for additional sand & gravel development within the compartment appears limited due to the prevalence of wetlands. Part of the Nellsville oil field is in the southern end of the compartment. It is a small, old field with only a couple remaining producing wells. The field is unlikely to expand, and there has been no recent well permitting activity around the compartment. There is also no current leasing activity involving State-owned oil & gas rights within one mile of the compartment. Potential for additional future oil & gas development within the compartment is considered low at this time. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

## Vehicle Access:

Vehicle access is mostly good along the perimeter of the compartment via county roads, M-55 also cuts through the center

of the compartment. Access to the interior of the compartment is very poor and only accessible via snowmobile or walking due to wet terrain and the absence of roads.

**Survey Needs:**

None needed at this time.

**Recreational Facilities and Opportunities:**

A Snowmobile trail runs through a very small section of the northwestern part of the compartment. Other than this, there are no developed recreational facilities but high potential for dispersed activities such as hunting.

**Fire Protection:**

Fire danger should be relatively low in this compartment due to low wet terrain. However, this same terrain could pose problems for suppression if a fire were to occur as vehicle access to the interior of the compartment is very poor. There is also a decent component of jack pine in this compartment that could be problematic in very dry conditions. Under normal conditions this jack pine would be too wet to be of any real concern.

**Additional Compartment Information:**

Past harvests have revealed that natural regeneration is difficult and slow to respond. This is due to the high water table and low terrain.

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

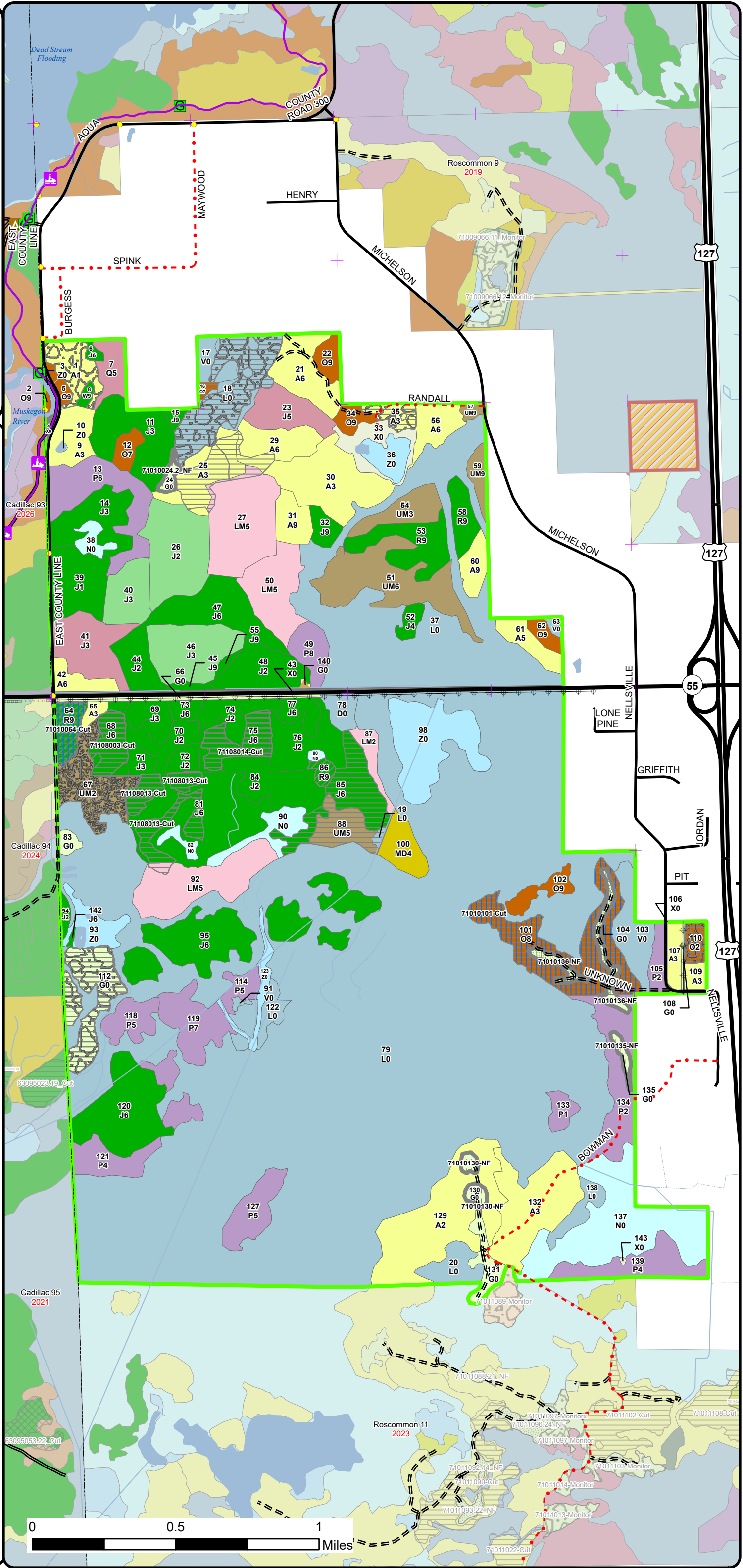
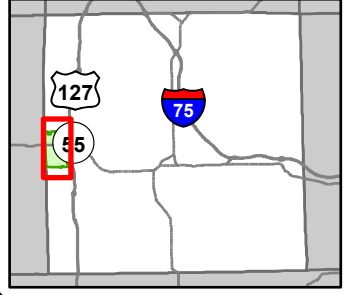
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

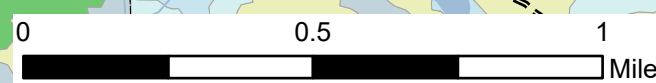
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 71010  
 T22N, R4W, Sec: 5-8  
 County: Roscommon  
 Unit: Roscommon  
 Mgmt Area: High Sand Plains  
 YOE: 2026  
 Acres: 3763.5 GIS Calculated  
 Examiner: Dakota Ewald  
 Map Revised: 6/18/2024  
 Map Phase: Web Post

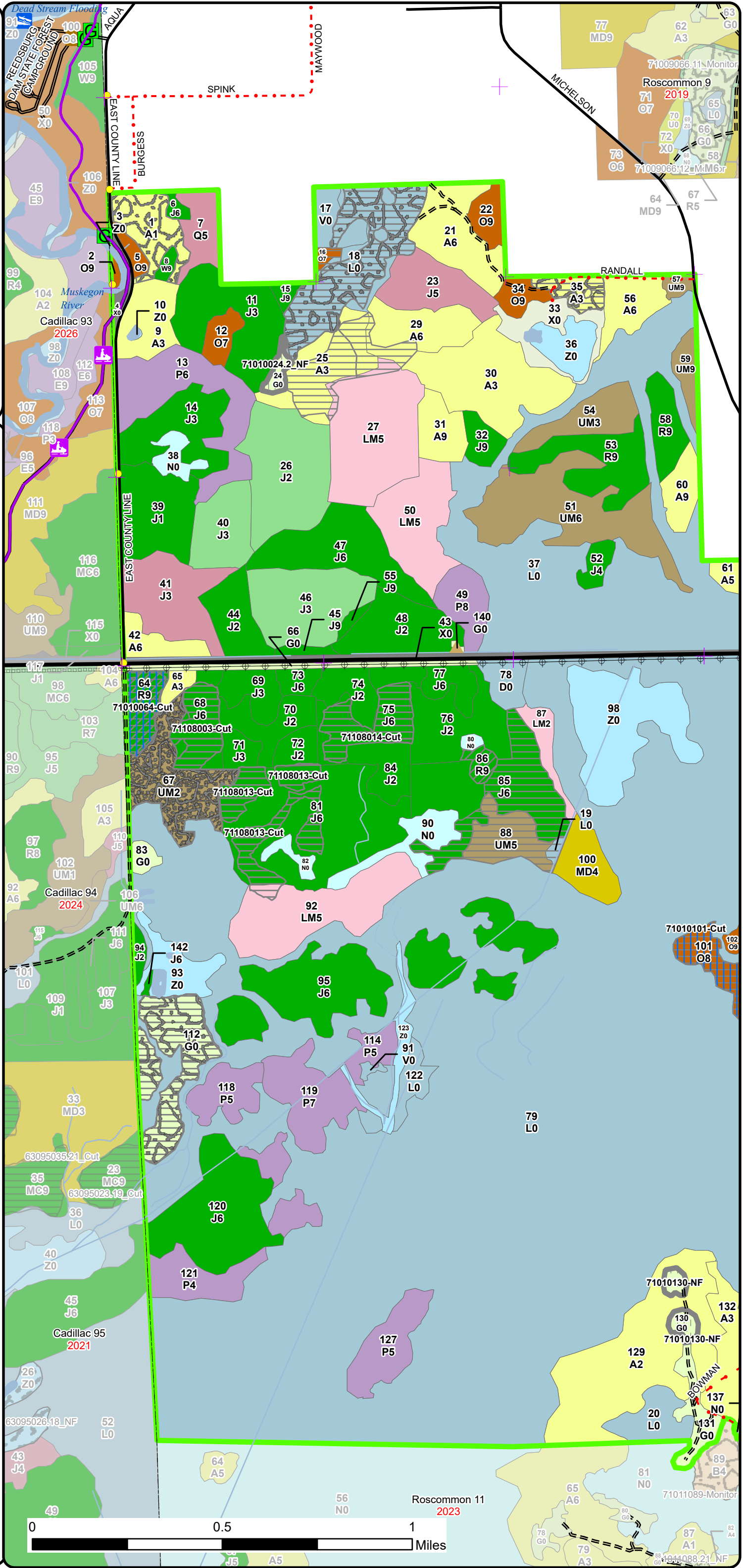
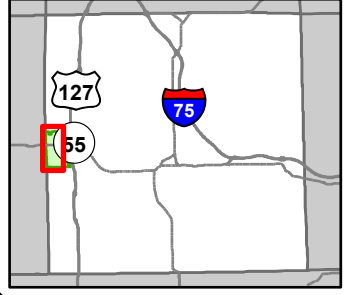


- Snowmobile Trails
- Designated Snowmobile Trails
- Remonumented Section Corners
- Survey Grade Corners
- Berms
- Gate
- Culvert
- Campground
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
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- County - Gravel Road
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- Counties
- Compartment Boundary
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- Seeding (tree species)
- Mowing
- Regeneration Survey
- 412 - Oak Types
- 413 - Aspen Types
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- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 790 - Other Bare/Sparsely Vegetated

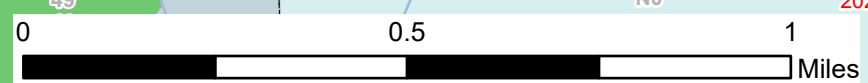


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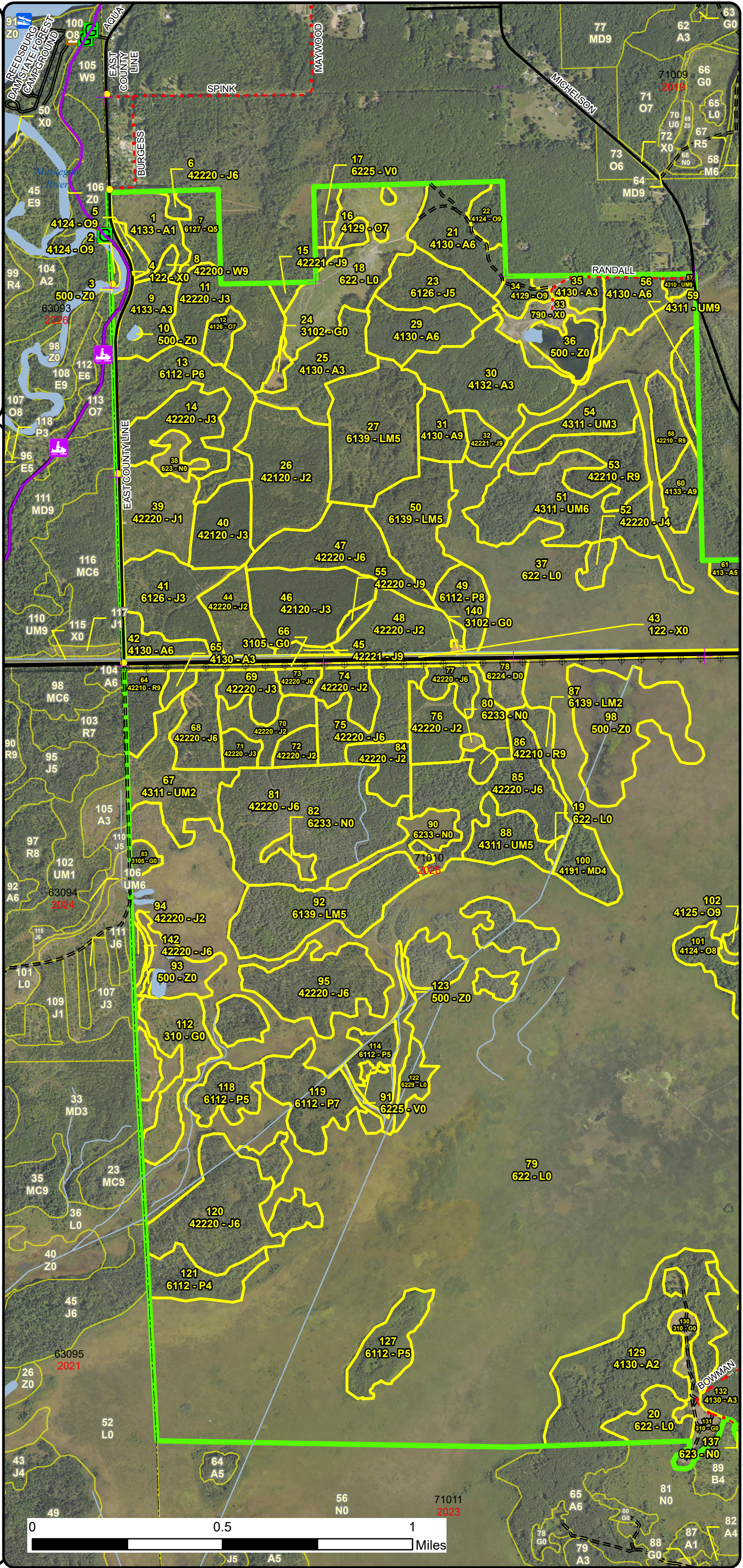
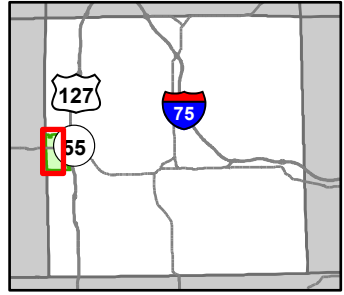


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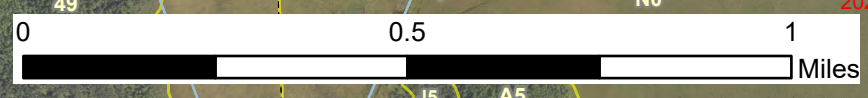


# Stand Boundary Map

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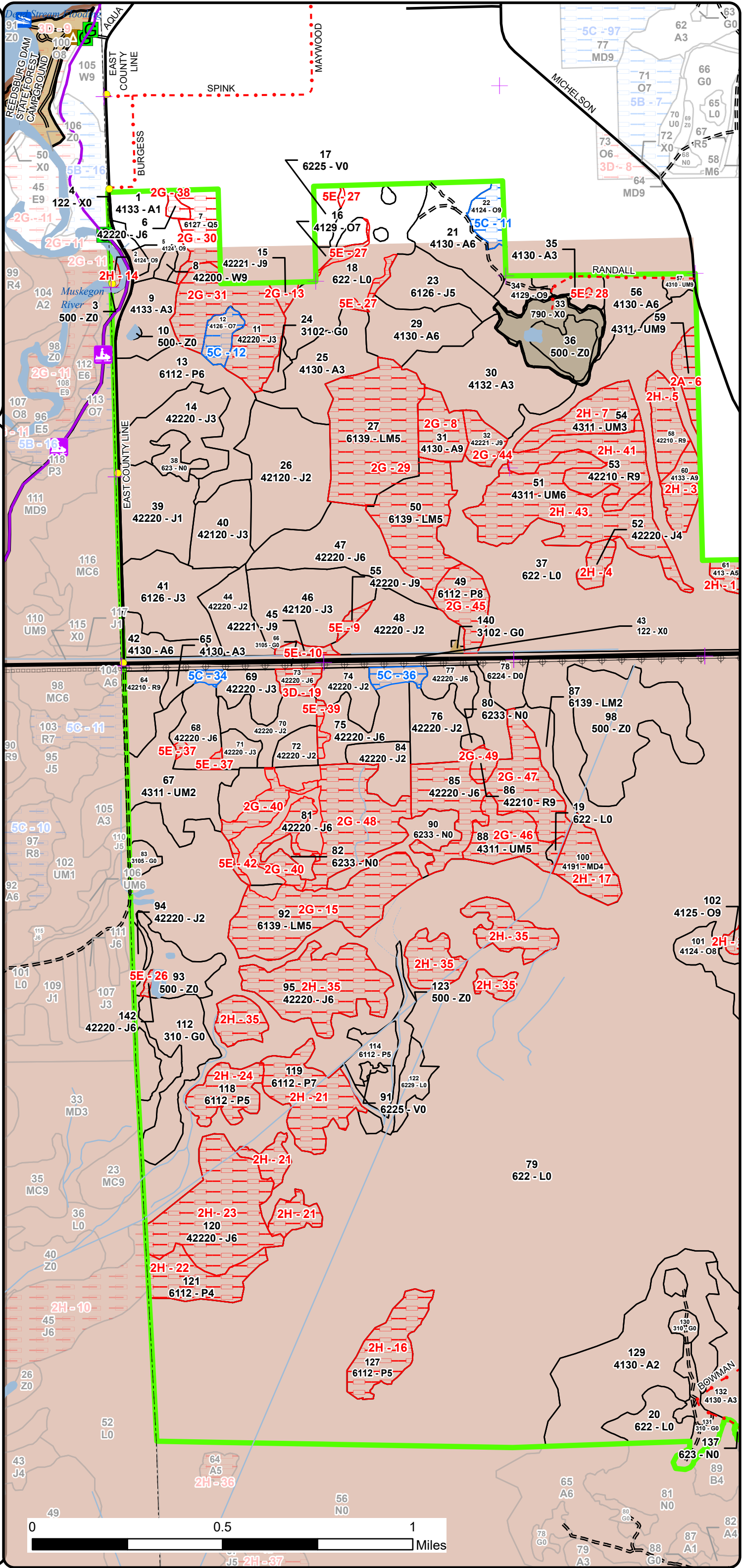
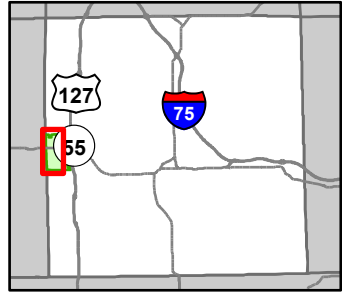


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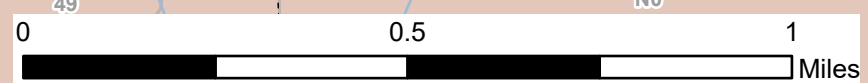


# Special Conservation Areas & Site Conditions Map

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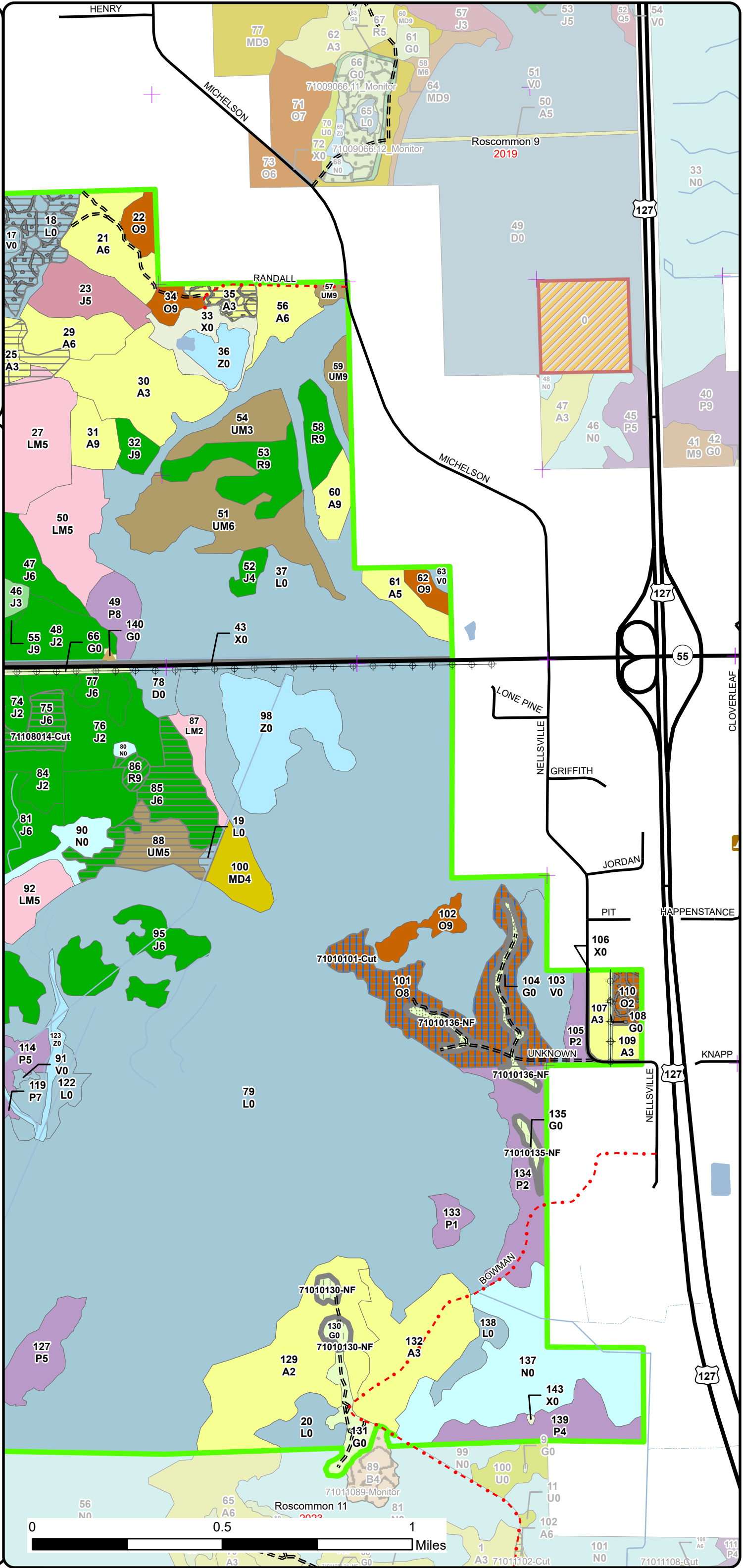
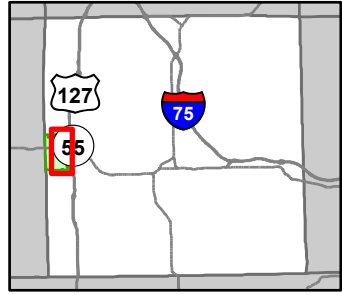


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- 5C: Delay treatment for age/size class diversity or exceptional site
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland)
- 3D: Recreational / Scenic values
- 5E: Long-Term Retention
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- Stand Boundaries
- Cold Water Lakes
- Wildlife Management Areas
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- Vernal Pool
- State Forest Campground
- Sand or Gravel Pit

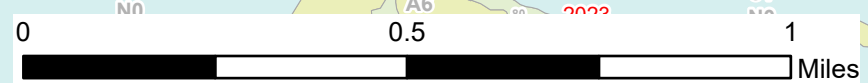


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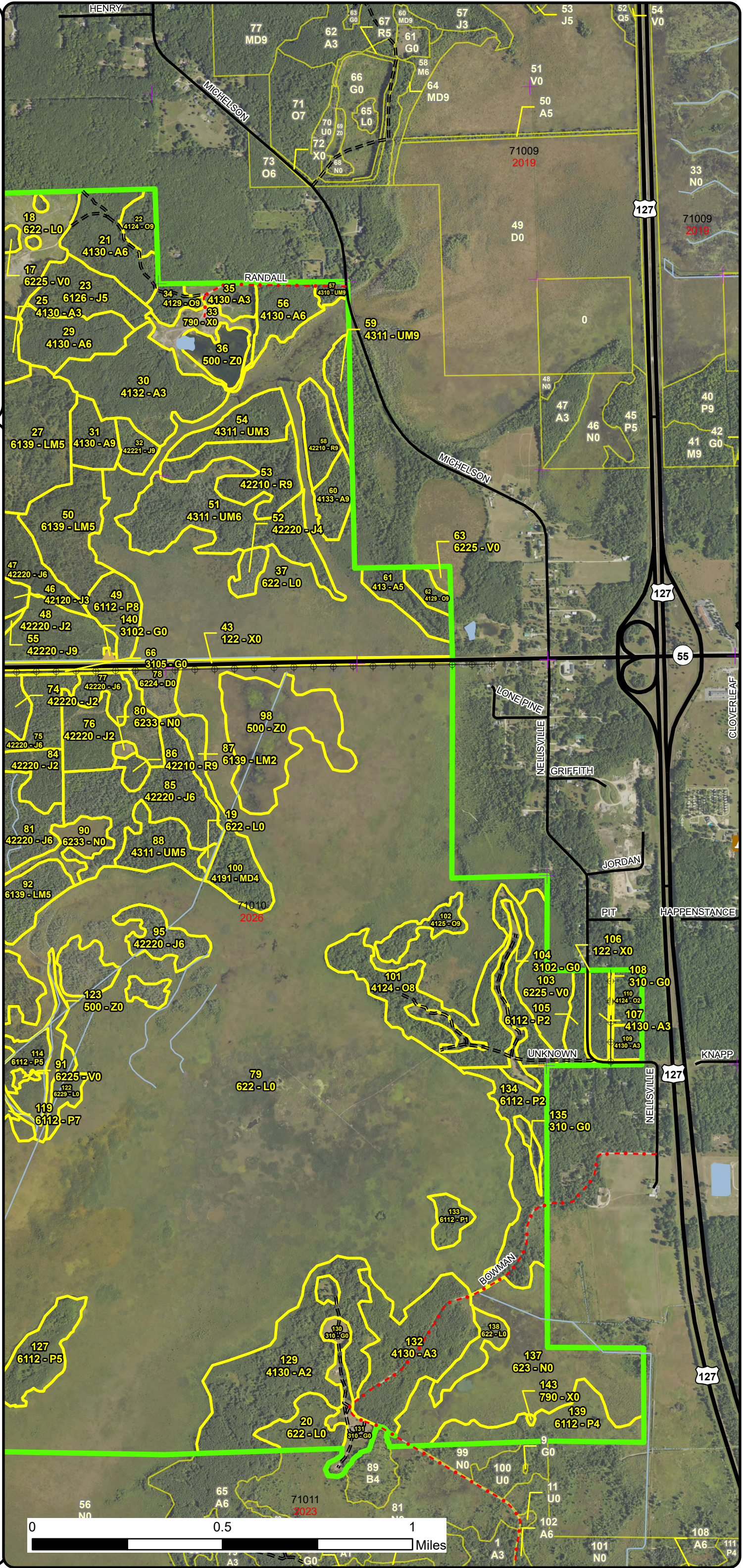
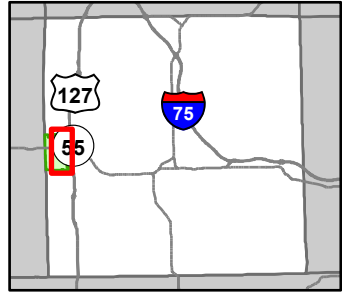


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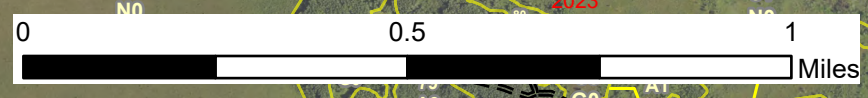


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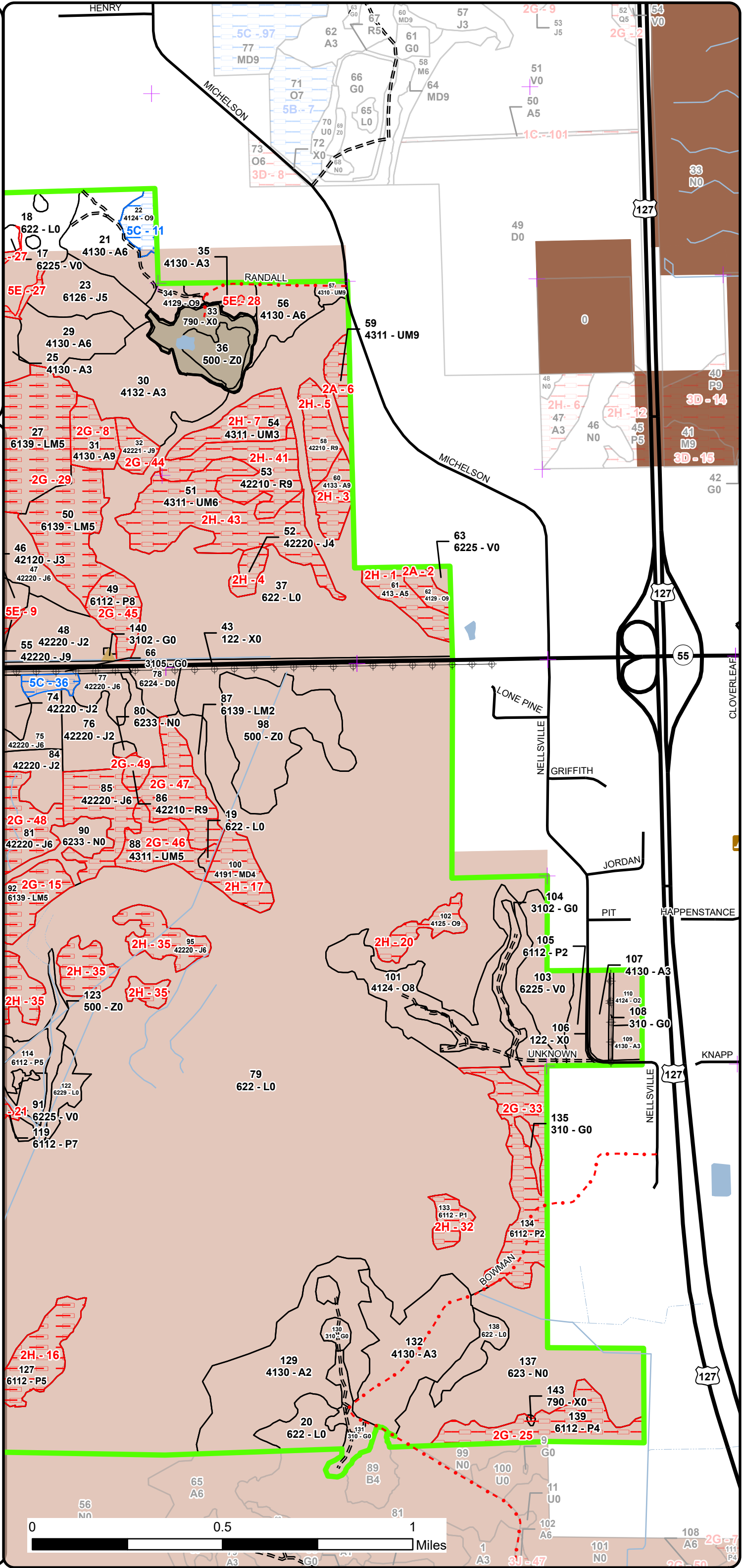
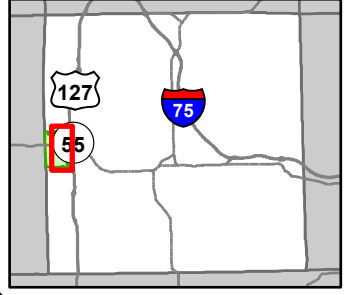
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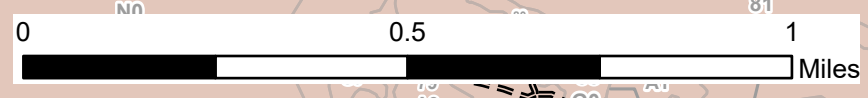


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Report 1 – Total Acres by Cover Type and Age Class



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+	Unseen-Aged	Total
Aspen	0	8	44	135	135	12	13	0	0	10	0	0	0	0	0	0	0	0	356
Bare/Sparsely Vegetated	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Bog	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Herbaceous Openland	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82
Jack Pine	0	0	112	235	42	21	9	123	67	109	0	0	0	0	0	0	0	0	717
Lowland Aspen/Balsam Poplar	0	0	0	8	88	0	14	0	0	33	84	0	0	0	0	0	0	0	227
Lowland Conifers	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	12
Lowland Mixed Forest	0	0	0	0	57	0	31	0	0	44	0	0	0	0	0	0	0	0	132
Lowland Shrub	1660	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1660
Marsh	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	15
Oak	0	0	7	0	0	0	0	0	0	64	13	1	0	0	0	0	12	6	102
Red Pine	0	0	0	0	0	0	0	0	42	12	0	0	0	0	0	0	0	0	54
Treed Bog	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Upland Mixed Forest	0	0	31	0	17	0	51	16	0	7	0	0	0	0	0	0	0	3	124
Urban	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Water	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85
White Pine	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>2022</b>	<b>8</b>	<b>194</b>	<b>378</b>	<b>339</b>	<b>33</b>	<b>130</b>	<b>139</b>	<b>109</b>	<b>281</b>	<b>112</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>9</b>	<b>3763</b>



## Report 2 – Treatment Summary

Roscommon Mgt. Unit  
Year of Entry: 2026

Acres of Harvest

Compartment 10  
Total Compartment Acres: 3,764

Commercial Harvest - 123  
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	Overshoot Removal	Salvage	Other	Total Acres
Jack Pine	56	0	0	0	0	0	0	0	0	56
Oak	0	0	0	55	0	0	0	0	0	55
Red Pine	0	0	0	12	0	0	0	0	0	12
<b>Total</b>	<b>56</b>	<b>0</b>	<b>0</b>	<b>66</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>123</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	123	0	0	0	0	0	0	0	25	148
Next Step	0	0	0	0	0	0	123	0	25	148
<b>Total</b>	<b>123</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>123</b>	<b>0</b>	<b>50</b>	<b>295</b>



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

<b>64</b>	<b>71010064-Cut</b>	11.9	42210 - Natural Red Pine	Sawtimber Well	87	111-140	Harvest	Seed Tree	4221 - Natural Red Pine	Two-Aged	No
<p><u>Prescription</u> Seed tree leaving a target of 20 BA of healthy crowned red pine as a seed source. Goal is to promote existing red pine seedlings and to establish more through natural seeding. Protect existing red pine regen where possible.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Moderate to full stocking of natural red pine with a mix of other species, such as red maple, oak, and aspen.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											

<b>101</b>	<b>71010101-Cut</b>	54.5	4124 - Red with White Oak	Sawtimber Medium	89	51-80	Harvest	Seed Tree	4199 - Other Mixed Upland Deciduous	Two-Aged	No
<p><u>Prescription</u> Seed tree, leaving a target of 20 BA of healthy larger crowned white and black oak. Also leave any white and red pine over 15 inches. Protect any existing pockets of oak regen.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Moderate to full stocking of oak and red maple, with a mix of other species. Expect red maple to be a large component of the stand.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											

<b>130</b>	<b>71010130-NF</b>	5.4	310 - Herbaceous Openland	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Porter Ranch Field #3 is north portion, Porter Ranch Field #4 is south portion.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
135 71010135-NF	3.0	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Porter Ranch Field #2.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
104 71010136-NF	2.0	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Porter Ranch Field #1.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										

**Approved Treatments:**

24 71010024.2_N F	3.1	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Dead Stream Field 8.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Mowing</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2017</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
104 71010104.6_N F	6.8	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, FPorter Ranch Field 1.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2014</p>										
111 71010111.8_N F	4.5	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Porter Ranch Field #1.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2014</p>										
68 71108003-Cut	13.6	42220 - Natural Jack Pine	Poletimber Well	72	81-110	Harvest	Clearcut with Retention	42221 - Natural Jack Pine, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> final harvest all species to 2 inches to regenerate naturally to jack pine. Leave jack pine tops scattered as a seed source and manage for a</p> <p><u>Specs:</u> jack pine/aspen mix, leave a 2 chain buffer on M-55 for visual/retention/green-up concerns, leave the wettest areas (south end of stand) for retention/BMP's. Harvest in frozen or dry conditions.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any combination of hardwoods and conifers to a fully stocked stand.</p> <p><u>Other Comment:</u> will need to access from west thru stand 67or construct a driveway with culvert on M-55.CR NOTES: delay harvest on this stand until 2019 YOE to allow time to monitor success of winter seeding in Stand 5. If natural regeneration stocking after cutting this stand is inadequate after 3 years and we are successful in establishing acceptable stocking Stand 5 thru seeding we will seed this stand to jack pine. If direct seeding of Stand 5 does not lead to adequate stocking levels, we will consider alternate regeneration methods such as a fall Rx Burn and then direct seeding in the winter for this stand Old next step comments: regeneration check during normal inventory cycle</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>81 71108013-Cut</b>	25.2	42220 - Natural Jack Pine	Poletimber Well	67	81-110	Harvest	Clearcut with Retention	42221 - Natural Jack Pine, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> final harvest all species to 2 inches and regenerate naturally to jack pine. Leave jack pine tops as a seed source. Numerous broad drains within treatment area, leave buffer on wetland type to west and the south for retention/BMP's following guideline setback distances.</p> <p><u>Specs:</u> Buffering the broad drainage in center of stand will leave a long narrow stand of jack pine for an upright seed source, use brush pile and drumming log specifications - especially along the south and west sides of the stand. Harvest in frozen or dry conditions and utilize the old skid trail through Stand 67 to access the west portion of the treatment. The easterly portion on the other side of the drain may be more accessible via stand 75.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of hardwoods and conifers to a fully stocked stand.</p> <p><u>Regen:</u></p> <p><u>Other</u> - CR NOTES: delay harvest on this stand until 2019 YOE to allow time to monitor success of winter seeding in Stand 5. If natural regeneration stocking after cutting this stand is inadequate after 3 years and we are successful in establishing acceptable stocking Stand 5 thru seeding we will seed this stand to jack pine. If direct seeding of Stand 5 does not lead to adequate stocking levels, we will consider alternate regeneration methods such as a fall Rx Burn and then direct seeding in the winter for this stand Old next step comments: regeneration check during normal inventory cycle</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>										
<b>75 71108014-Cut</b>	17.5	42220 - Natural Jack Pine	Poletimber Well	85	81-110	Harvest	Clearcut with Retention	42221 - Natural Jack Pine, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> final harvest all species to two inches and regenerate naturally to jack pine. Leave jack pine tops as seed source to regenerate stand back to jack pine. Leave 3-4 chain buffer on M-55 for visual/retention/green-up concerns. Buffer wet/vernal ponds and broad drainages with BMP guideline distances. Harvest during frozen and/or dry conditions. Access will be off M-55.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of hardwoods and conifers to a fully stocked stand.</p> <p><u>Regen:</u></p> <p><u>Other</u> CR NOTES: delay harvest on this stand until 2019 YOE to allow time to monitor success of winter seeding in Stand 5. If natural regeneration stocking after cutting this stand is inadequate after 3 years and we are successful in establishing acceptable stocking Stand 5 thru seeding we will seed this stand to jack pine. If direct seeding of Stand 5 does not lead to adequate stocking levels, we will consider alternate regeneration methods such as a fall Rx Burn and then direct seeding in the winter for this stand Old next step comments: regeneration check during normal inventory cycle</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>										

**Total Treatment** 147.5  
**Acreage Proposed:**

## Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 10

Dakota Ewald : Examiner

Year of Entry: 2026

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions						
		With Condition			5C	2A	2G	2H	3D	5E	
356	321	0		35	Aspen			12	22		0
14	14	0		0	Bare/Sparsely Vegetated			0			
35	35	0		0	Bog						
83	83	0		0	Herbaceous Openland			0			
719	431	6		282	Jack Pine	6		143	125	5	10
225	53	0		172	Lowland Aspen/Balsam Poplar			75	97		
12	0	0		12	Lowland Conifers			12			
132	9	0		123	Lowland Mixed Forest			123	0		
1660	1654	0		6	Lowland Shrub			1	0		4
105	105	0		0	Marsh			0			
15	0	0		15	Mixed Upland Deciduous				15		
103	73	14		16	Oak	14	5	0	10		
54	12	0		42	Red Pine			4	38		
8	8	0		0	Treed Bog						
124	33	0		91	Upland Mixed Forest		7	16	67		
33	33	0		0	Urban						
85	85	0		0	Water						
2	2	0		0	White Pine						
3,763	2,951	20		793	Total Forested Acres	20	13	387	373	5	15
	78%	1%		21%	Relative Percent						

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Roscommon Mgt. Unit

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Year of Entry: 2026

2	<b>Unavailable</b>	2A: Adjacent landowner denied access	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	<b>Unavailable</b>	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	10	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	2A: Adjacent landowner denied access	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	17	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Roscommon Mgt. Unit

Dakota Ewald : Examiner

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Year of Entry: 2026

8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 10

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14	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	42	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	3D: Recreational / Scenic values	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

## Report 4 – Site Conditions

Roscommon Mgt. Unit

Dakota Ewald : Examiner

Compartment: 10

Year of Entry: 2026

21	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	38	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
22	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	18	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	47	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
24	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	15	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
25	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	26	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
26	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit

Dakota Ewald : Examiner

Compartment: 10

Year of Entry: 2026

27	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
28	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	80	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	35	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
32	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
No access due to surrounding wetland							

## Report 4 – Site Conditions

Roscommon Mgt. Unit

Dakota Ewald : Examiner

Compartment: 10

Year of Entry: 2026

33	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	36	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
34	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Visual buffer for green up concerns.							
35	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	73	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> wet terrain							
36	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Visual buffer for green up concerns.							
37	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 10

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38	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
39	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
40	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
41	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	26	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
42	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
43	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	51	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit

Dakota Ewald : Examiner

Compartment: 10

Year of Entry: 2026

44	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
45	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
46	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	17	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Previous treatments in the area were dropped per TMS due to wet terrain and problems getting any regeneration in other stands in the area due to water table fluctuations.							
47	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	45	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Previous treatments in the area were dropped per TMS due to wet terrain and problems getting any regeneration in other stands in the area due to water table fluctuations.							
48	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	33	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Previous treatments in the area were dropped per TMS due to wet terrain and problems getting any regeneration in other stands in the area due to water table fluctuations.							



## Report 4 – Site Conditions

Roscommon Mgt. Unit

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Year of Entry: 2026

49	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



**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>Roscommon County Road Commission</b> Comments	Mineral Resource Area	Sand or Gravel Pit	<b>SCA</b>	28
<b>Roscommon County Road Commission</b> Comments	Spring Wetlands Riparian Area	Spring Seep	<b>SCA</b>	28



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

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Research and Military Areas	These areas provide facilities and lands specifically dedicated for research, or other purposes. They include the 5,847 acre Forest Fire Experiment Station, the 12,000 acre Houghton Lake Wildlife Research Area, the Beaver Islands Archipelago Wildlife Research Area (that includes most of Garden Island, all of High and Hog Islands, all state owned land on Beaver, South Fox and North Fox Islands), the Cusino Wildlife Research Area, the 3,000 acre Hunt Creek Fisheries Research Station, the 125 acre Wyman Nursery, and over 144,000 acres of Military Lands.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
1	4133 - Aspen, Mixed Pine	Sapling Poor	17.2	10	Immature	N/A	Big tooth aspen harvest in 2014. Around 10 BA of oak was left for seed trees. Regen is patchy with some pockets of aspen and some of white pine. There is quite a bit of open area due to the high water table, with pockets of standing water.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		60	Sapling	1	10	Tag Alder		Medium	5 - 10 feet	Tall Shrub
White Pine		40	Sapling	1						
2	4124 - Red with White Oak	Sawtimber Well	1.1	104	51-80	N/A	Stand Year Origin was 1920			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>					
Red Oak		50	Log	14	104					
White Oak		50	Log	14						
3	500 - Water	Nonstocked	1.3			No	Muskegon River.			
4	122 - Road/Parking Lot	Nonstocked	9.5			No	Most of the acres for this stand are road and sno-trail surface. It also contains the bank to the river and some oak that is being managed from Missaukee Co.			
5	4124 - Red with White Oak	Sawtimber Well	3.5	158	111-140	N/A	Retention island left after adjacent harvest. Mature oak with white pine in the understory.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Oak		60	Log/XLog	16	158	Red Maple		Low	5 - 10 feet	Sapling
White Oak		20	Log	14		White Pine		Medium	Variable	Sapling
Red Maple		10	Log/Pole	10						
White Pine		10	Log	12						
6	42220 - Natural Jack Pine	Poletimber Well	2.2	50	81-110	N/A	Jack pine stand with pockets of low ground.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	
Jack Pine		80	Pole	8	50	Red Maple	Medium	10 - 20 feet	Sapling	
White Pine		20	Log/Pole	10		White Pine	Low	10 - 20 feet	Sapling	
						Jack Pine	Low	10 - 20 feet	Sapling	
7	6127 - Lowland Pine	Poletimber Medium	12.4	50	51-80	N/A	Quaking aspen to the north mixed with bushy white pine and jack pine. Stand is very wet in the winter, with standing water in much of stand.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Jack Pine		35	Pole	8	50	Red Maple		Low	10 - 20 feet	Sapling
White Pine		30	Pole	8		Tag Alder		Medium	5 - 10 feet	Tall Shrub
Paper Birch		5	Sapling	4		White Pine		Low	Variable	Sapling
Red Maple		15	Pole	8						
Quaking Aspen		15	Pole	8						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
8	42200 - Natural White Pine	Sawtimber Well	2.1	84	81-110	N/A	Pocket of mature pine/oak left after harvest.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Pine		5	Log	12	68	Red Maple	
White Oak		5	Log/Pole	12		White Pine	
White Pine		85	XLog/Log	18	84	Density	
Red Oak		5	Log	14		Avg. Height	
						Size	
						Medium	
						5 - 10 feet	
						Low	
						5 - 10 feet	
						Sapling	
						Sapling	
9	4133 - Aspen, Mixed Pine	Sapling Well	16.9	26	Immature	N/A	Stand is aspen mixed with pockets of dense jack pine. Large red and white oak mast trees scattered throughout. Stand has lots of low areas that are boggy. Cut in 1998 as a part of the Block 921 sale.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Black/Red (Hybrid) Oak		10	Sapling	3		Black/Red (Hybrid) Oak	
Jack Pine		17	Sapling/Pole	3		Black Cherry	
Quaking Aspen		55	Sapling	2	26	White Pine	
Red Maple		15	Sapling	2		Tag Alder	
White Pine		3	Sapling/Pole	4		White Oak	
						Density	
						Avg. Height	
						Size	
						Low	
						Variable	
						5 - 10 feet	
						Low	
						Variable	
						5 - 10 feet	
						Tall Shrub	
						Sapling	
						Sapling	
10	500 - Water	Nonstocked	0.4			No	
11	42220 - Natural Jack Pine	Sapling Well	35.0	26	Immature	N/A	Young jack pine stand that is fairly boggy throughout. Stand was cut in 1998 as a part of the Block 921 sale.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Jack Pine		90	Sapling	4	26	Red Maple	
Quaking Aspen		5	Sapling	4		Black/Red (Hybrid) Oak	
Red Maple		5	Sapling	4		Density	
						Avg. Height	
						Size	
						Low	
						Variable	
						Variable	
						Sapling	
						Sapling	
12	4126 - White, Black, N. Pin Oak	Sawtimber Poor	6.5	158	1-50	N/A	Scattered mast trees left from 2000 harvest. Understory is well developed and heavy to oak.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Oak		25	Log/XLog	16		Red Maple	
Jack Pine		10	Pole/Sapling	5		Black/Red (Hybrid) Oak	
Red Oak		30	Log/XLog	16	158	Density	
Black/Red (Hybrid) Oak		25	Log/XLog	16		Avg. Height	
Red Maple		10	Pole	8		Size	
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						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																							
<b>13</b>	6112 - Lowland Aspen	Poletimber Well	37.3	34	1-50	N/A	Aspen stand with pockets of jack pine. Mature oak is scattered though out the north end. South end is mainly young jack pine mixed with aspen and red maple.																																																																							
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<b>14</b>	42220 - Natural Jack Pine	Sapling Well	25.3	24	Immature	N/A	Jack pine stand that is about to come into the pole size class. Ground is hummocky with some lower spots.																																																																							
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<b>15</b>	42221 - Natural Jack Pine, Mixed Deciduous	Sawtimber Well	2.5	74	51-80	N/A	Small triangle of mature jack pine.																																																																							
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<b>16</b>	4129 - Mixed Oak	Sawtimber Poor	1.7	158	1-50	N/A	Harvested last year of entry. Oak stumps are spouting with scattered white pine filling in.																																																																							
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<b>17</b>	6225 - Bog	Nonstocked	10.1			No																																																																								
<b>18</b>	622 - Lowland Shrub	Nonstocked	46.8	0	Unspecified	413 - Aspen	Stand was cut in summer 2021, but swamped out as a result. Site has transitioned into a mix of lowland shrubs with little to no regeneration of trees. Only a few pockets of red maple stump sprouts coming up here and there.																																																																							



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20	622 - Lowland Shrub	Nonstocked	13.6	0	Unspecified	No																																						
21	4130 - Aspen	Poletimber Well	26.7	34	81-110	N/A	Large red oak towards south of stand.																																					
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22	4124 - Red with White Oak	Sawtimber Well	7.7	95	81-110	N/A	Thinned in 1999. Healthy oak regen.																																					
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23	6126 - Lowland Jack Pine	Poletimber Medium	21.4	48	1-50	N/A	Wet stand with more concentrated jack pine in center where there is higher ground. No access due to wet ground																																					
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24	3102 - Grass	Nonstocked	3.1			Managed Opening	OPIC - FMD: maintained opening																																					
25	4130 - Aspen	Sapling Well	26.8	12	Immature	N/A	Final harvest done in 2012. Roughly 5 BA of seed tree red and white oak were left. Dense regen of aspen and red maple.																																					
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26	42120 - Planted Jack Pine	Sapling Medium	43.0	24	Immature	N/A	Artificially regenerated with seeder in 1999. More open stand due to wet conditions.																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
27	6139 - Mixed Lowland Forest	Poletimber Medium	49.1	33	Immature	N/A	Stand is mostly bog with scattered jack pine and quaking aspen. Multiple open pockets with standing water and tag alder		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		45	Pole/Sapling	6	33	Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Jack Pine		55	Pole/Sapling	6	33	Quaking Aspen	Low	5 - 10 feet	Sapling
						Jack Pine	Low	5 - 10 feet	Sapling
						Tag Alder	Medium	5 - 10 feet	Tall Shrub
29	4130 - Aspen	Poletimber Well	22.1	34	51-80	N/A	Pole sized Aspen stand, west end of stand is pretty wet. Southwest corner of stand was a separate stand of older jack pine, but the older jack pine has almost all died out. What is left is pole sized aspen and red maple that is fairly similar to this this stand, so it was merged in.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Oak		5	Log	14		Pin Cherry	Low	5 - 10 feet	Sapling
Quaking Aspen		95	Pole	6	34	Red Oak	Low	10 - 20 feet	Sapling
						Red Maple	Low	10 - 20 feet	Sapling
30	4132 - Aspen, Jack Pine	Sapling Well	44.0	21	Immature	N/A	Mix of aspen and not much jack pine. Tops were not left in this stand. Heavy rutting. Very wet. South side of the stand did not regenerate well. Harvested in 2003.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Jack Pine		35	Pole/Sapling	5	21	Quaking Aspen	Low	5 - 10 feet	Sapling
Quaking Aspen		60	Sapling	3	21	Red Maple	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		5	Pole/Sapling	5		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
31	4130 - Aspen	Sawtimber Well	12.5	56	111-140	N/A	Nice log to pole sized aspen stand. Meets silvicultural criteria, but access is poor due to wet conditions in the area. Also, adjacent stands that have been cut are swamping out, so there's a good chance that would happen here as well.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		3	Pole	8		Red Maple	Low	10 - 20 feet	Sapling
Quaking Aspen		97	Log/Pole	11	56	Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
32	42221 - Natural Jack Pine, Mixed Deciduous	Sawtimber Well	6.9	50	81-110	N/A	Jack pine stand with some aspen mixed in. Some Jack pine is starting to die out. Stand meets silvicultural criteria but access isn't good due to wet conditions.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		30	Log/Pole	10		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Jack Pine		70	Log/Pole	10	50	Red Maple	Low	5 - 10 feet	Sapling
33	790 - Other Bare/Sparsely Vegetated	Nonstocked	13.7		Immature	No	Borrow pit		
34	4129 - Mixed Oak	Sawtimber Well	6.3	158	51-80	N/A	Large white and red oak scattered throughout stand with younger maple, aspen, and oak mixed in. Large berms in place to prevent access to the road commission pit.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		15	Pole	7	50	Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Oak		35	XLog/Log	20		Red Maple	Low	5 - 10 feet	Sapling
Red Oak		35	Log	14	158	White Oak	Low	5 - 10 feet	Sapling
Red Maple		15	Pole/Log	8		White Pine	Low	5 - 10 feet	Sapling
						Red Oak	Low	5 - 10 feet	Sapling





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
<b>35</b>	4130 - Aspen	Sapling Well	8.2	4	Immature	N/A	Cut summer 2021, stand is coming back nicely.																																													
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<b>36</b>	500 - Water	Nonstocked	12.1			No																																														
<b>37</b>	622 - Lowland Shrub	Nonstocked	177.7			No	Some pockets of open water																																													
<b>38</b>	623 - Emergent Wetland	Nonstocked	6.1		Immature	No																																														
<b>39</b>	42220 - Natural Jack Pine	Sapling Poor	28.2	14	Immature	N/A	Young Jack pine stand with open pockets mixed throughout. Water table is pretty high, with multiple pockets of standing water throughout the hummocky ground. Scattered log sized red pines were left when cut. Cut in 2010 as a part of the Finale Jack Pine sale.																																													
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<b>40</b>	42120 - Planted Jack Pine	Sapling Well	20.2	24	Immature	N/A	Artificially seeded in 1999. Dense regeneration.																																													
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<b>41</b>	6126 - Lowland Jack Pine	Sapling Well	30.1	26	Immature	N/A	Wet jack pine site with higher stocking in the driest areas. Stand was cut in 1998 as a part of the Block 921 sale.																																													
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<b>42</b>	4130 - Aspen	Poletimber Well	9.0	26	Immature	N/A	Aspen stand that is a mix of poles and saplings. Age seems to variable with older and younger pockets. Some oaks and maple were seemingly left when the stand was last cut. There may also be a small retention island from the cut in the center of the stand. Stand was cut in 1998 as a part of the Block 921 sale.																																													
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<b>43</b>	122 - Road/Parking Lot	Nonstocked	20.6			No	M-55																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
44	42220 - Natural Jack Pine	Sapling Medium	15.8	14	Immature	N/A	Naturally regenerated jack pine stand with scattered red maple and jack pine in the over story. Cut in 2010 as a part of the Finale Jack Pine sale.																																				
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45	42221 - Natural Jack Pine, Mixed Deciduous	Sawtimber Well	2.6	80	81-110	N/A	Visual buffer strip left from previous harvest.																																				
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46	42120 - Planted Jack Pine	Sapling Well	35.0	24	Immature	N/A	Artificially seed in 1999.																																				
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47	42220 - Natural Jack Pine	Poletimber Well	33.8	34	1-50	N/A	Stand more sparse and open grown than surrounding jack pine stands. Small pockets of quaking aspen in the north end. Stand was cut in 1990 as a part of the Block 485 sale.																																				
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48	42220 - Natural Jack Pine	Sapling Medium	24.8	14	Immature	N/A	Immature jack pine stand with some more open areas. Stand was cut in 2010 as a part of the Finale Jack Pine sale.																																				
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49	6112 - Lowland Aspen	Sawtimber Medium	13.6	50	1-50	N/A	Pure quaking aspen to the north, mixed with jack pine to the south. Stand is low and wet for the most part. It is fairly open with grass and tag alder in the understory																																				
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50	6139 - Mixed Lowland Forest	Poletimber Medium	31.3	56	51-80	N/A	Large complex of low quality quaking aspen and jack pine. North end has more bog and lower BA. South end more dry with larger trees and higher BA.																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
51	4311 - Pine, Aspen Mix	Poletimber Well	50.6	56	51-80	N/A	Large complex of low quality quaking aspen and jack pine. More mature aspen to the east. Ground is wet in the west half, with standing water present in some areas in the spring. Understory is heavy to tag alder.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Pine		5	Log	12		Pin Cherry		Low	5 - 10 feet	Sapling
Quaking Aspen		50	Log/Pole	10	56	Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling
White Pine		5	Pole	9		Tag Alder		High	5 - 10 feet	Tall Shrub
Jack Pine		40	Pole	8		Jack Pine	Low	5 - 10 feet	Sapling	
52	42220 - Natural Jack Pine	Poletimber Poor	5.2	89	1-50	N/A	Mature stand with 50% dieback due to old age and rising water table.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>					
Jack Pine		100	Pole/Log	8	89					
53	42210 - Natural Red Pine	Sawtimber Well	26.1	73	141-170	N/A	Natural fire origin red pine stand. Thinned in 2002. Road was frozen in across L-type to the north. No good equipment access. Stand has frequent openings throughout where quaking aspen is regenerating well.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Pine		100	Log	13	73	Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling
						Red Maple		Low	10 - 20 feet	Sapling
						Quaking Aspen	High	10 - 20 feet	Sapling	
54	4311 - Pine, Aspen Mix	Sapling Well	16.5	35	1-50	N/A	Evenly mixed jack pine and quaking aspen site with red pine super canopy. Thinned in 2002. Road was frozen in across L-type to the north. No good equipment access.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Jack Pine		45	Sapling	3	35	Jack Pine		Low	< 5 feet	Sapling
Quaking Aspen		50	Sapling	2	35	White Pine		Low	< 5 feet	Sapling
Red Pine		5	Log	12	73	Red Pine		Low	< 5 feet	Sapling
						Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling	
55	42220 - Natural Jack Pine	Sawtimber Well	1.9	78	81-110	N/A	Buffer strip left from jack pine harvest to the east.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	
Jack Pine		75	Log/Pole	10	78	Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling	
Quaking Aspen		25	Pole/Log	8		Red Maple	Low	10 - 20 feet	Sapling	
56	4130 - Aspen	Poletimber Well	14.7	34	51-80	N/A	Pole sized aspen stand where a pocket of larger oak was left in the northwest corner of the stand. Wet conditions towards south end.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
White Oak		2	Log/Pole	11		Red Maple		Medium	Variable	Sapling
Red Maple		5	Sapling/Pole	4						
Red Oak		3	Log/Pole	11						
Quaking Aspen		90	Pole	7	34					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
57	4310 - Pine, Oak Mix	Sawtimber Well	2.9	138	111-140	N/A	Treated in 2014.																																																			
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58	42210 - Natural Red Pine	Sawtimber Well	12.0	74	171-200	N/A	Natural fire origin red pine stand. Fire scarred monarchs present in many spots. Pure red pine except wet portion to the south that is intermixed with quaking aspen.																																																			
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59	4311 - Pine, Aspen Mix	Sawtimber Well	7.4	80	81-110	N/A	Predominately quaking aspen in the north end and mixed with more pine species in the south. Small triangle of pure log sized red pine in the southern tip.																																																			
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60	4133 - Aspen, Mixed Pine	Sawtimber Well	10.3	86	81-110	N/A																																																				
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61	413 - Aspen	Poletimber Medium	11.7	46	111-140	N/A	Low quality Quaking Aspen transitions to upland toward O8. Stand is transitioning to poles.																																																			
62	4129 - Mixed Oak	Sawtimber Well	5.3	99	81-110	N/A	OPIC - FMD: OI Stand Year Origin was 1925																																																			
63	6225 - Bog	Nonstocked	2.0		Immature	No																																																				



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<b>64</b>	42210 - Natural Red Pine	Sawtimber Well	11.9	87	111-140	N/A	R9 thinned in fall 2017, red pine with scattered pole size quaking aspen and red maple and also some white pine poles and sawlogs. North end of stand was not as heavily thinned last entry and BA is closer to 130+. Understory has a decent component of red pine seedlings that have seeded in naturally.																																				
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<b>65</b>	4130 - Aspen	Sapling Well	3.5	27	51-80	N/A	Young aspen stand cut in 1997																																				
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<b>66</b>	3105 - Mixed Upland Herbaceous	Nonstocked	8.9			No	Powerline ROW/M-55/shoulder and ditch, lots of encroaching jack pine saplings and red pine seeding in																																				
<b>67</b>	4311 - Pine, Aspen Mix	Sapling Medium	30.6	15	Immature	N/A	Stand was cut in 2009 and was slow to regenerate. Stand is now a mix of aspen and jack pine, with a lot of open areas throughout. North end is heavier to aspen and south is heavier to jack pine and generally more open.																																				
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<b>68</b>	42220 - Natural Jack Pine	Poletimber Well	17.1	72	81-110	N/A	Currently under contract mature J6 stand, mostly jack pine but pockets heavy to red maple, aspen, or both, also scattered hardwoods. jack pine and aspen fading but red pine and red maple doing OK, probably should regenerate stand if access problem due to ditch/powerline on M-55 can be mitigated, lots of deerbeds/tracks within stand, operable but with a higher water table in spots																																				
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<b>69</b>	42220 - Natural Jack Pine	Sapling Well	11.0	25	1-50	N/A	J6 cut and regenerated naturally in 1997, mostly jack pine but also scattered hardwoods																																				
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<b>70</b>	42220 - Natural Jack Pine	Sapling Medium	14.4	15	Immature	N/A	cut and regenerated in 2009, natural regeneration is doing well. Stand is a mix of upland and lowland, with a high water table and standing water in spots.																																				
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<b>73</b>	42220 - Natural Jack Pine	Poletimber Well	4.6	85	81-110	N/A	Small stand left as buffer when stand to the south was cut in 2009, mostly jack pine but with a few hardwoods, converting to hardwoods on its own																																													
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<b>75</b>	42220 - Natural Jack Pine	Poletimber Well	23.7	85	81-110	N/A	currently under contract J6 held last YOE for age/size class diversity, should be regenerated now as jack pine is declining																																													
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<b>76</b>	42220 - Natural Jack Pine	Sapling Medium	25.9	15	Immature	N/A	cut and regenerated in 2009, natural regeneration was slow to start. Stand is mostly dry but with a water table close to the surface																																													
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77	42220 - Natural Jack Pine	Poletimber Well	8.1	35	81-110	N/A	Pole sized jack pine that regenerated naturally in 1988, mostly jack pine but has scattered hardwoods. Stand has a narrow seasonal drainage that snakes through it.																																									
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78	6224 - Treed Bog	Nonstocked	8.2			No	stand was habitat cut in 1988 and is now mostly open and boggy with sparse jack pine cover. There is a high amount of mortality with standing dead stems, likely due to the high water table.																																									
79	622 - Lowland Shrub	Nonstocked	1,397.1			No																																										
80	6233 - Wet Meadow	Nonstocked	1.4			No																																										
81	42220 - Natural Jack Pine	Poletimber Well	76.5	67	81-110	N/A	stand is currently under contract jack pine with hummucky terrain and a high water table, standing water in a lot of it during spring runoff when it was inventoried, a few aspen clones and solitary aspen trees scattered thru-out stand, understroy is fairly open with a few scattered red maple and jack pine saplings and an occasional oak sapling, ground cover is mostly pillow moss and scattered leatherleaf with some bracken fern on the higher ground																																									
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82	6233 - Wet Meadow	Nonstocked	3.6			No	grassy wet swale																																									
83	3105 - Mixed Upland Herbaceous	Nonstocked	3.5			No	cut and regenerated in 2009, natural regeneration is slow but stand should be forested next YOY, dry but with a water table close to the surface																																									
84	42220 - Natural Jack Pine	Sapling Medium	12.3	25	Immature	N/A	Young jack pine stand cut and regenerated naturally in 1997, there are also some scattered hardwoods																																									
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85	42220 - Natural Jack Pine	Poletimber Well	45.0	74	51-80	N/A	Mature jack pine with scattered red pine, red maple, and aspen. Ground is mostly dry but is hummocky, with some pockets of wet ground.																																									
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<b>86</b>	42210 - Natural Red Pine	Sawtimber Well	3.7	75	141-170	N/A	natural red pine stand, stand has a higher water table but is probably opeable during dry peiods or when frozen, mostly red pine sawlogs on the south end and mix of RP poles/sawlogs with some suppressed RP saplings on the north end.																																																							
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<b>87</b>	6139 - Mixed Lowland Forest	Sapling Medium	7.6	35	1-50	N/A	habitat cut in 1988, regenerated to a mix of aspen and jack pine. Stand is mostly lowland and serves as a transition zone between adjacent jack pine stand and wetland																																																							
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<b>88</b>	4311 - Pine, Aspen Mix	Poletimber Medium	16.1	66	51-80	N/A	mix of upland with oak and jack pine and lowland with aspen and red maple, south edge is mostly low ground with smaller aspen and red maple, rest of the stand is hummucky upland mixed with small lowland pockets that have a mix of mature and over-mature jack pine and aspen, parts of the stand are fairly open, and there are also scattered oaks thru-out the drier areas of the stand																																																							
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<b>90</b>	6233 - Wet Meadow	Nonstocked	13.2			No	grassy wet swale																																																							
<b>91</b>	6225 - Bog	Nonstocked	1.1	0	Unspecified	No																																																								
<b>92</b>	6139 - Mixed Lowland Forest	Poletimber Medium	43.6	85	81-110	N/A	Mix of jack pine and aspen that is mostly on wet ground. Access to stand would be difficult and very unlikely																																																							
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<b>93</b>	500 - Water	Nonstocked	14.9			No	open water that appears to be particularly man-made																																																							
<b>94</b>	42220 - Natural Jack Pine	Sapling Medium	3.0	15	Immature	N/A	Stand was cut in 2009, natural regeneration was slow but stand is now a young jack pine stand. Stand is mostly upland, but water table is close to the surface, with standing water pockets present.																																																							
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<b>95</b>	42220 - Natural Jack Pine	Poletimber Well	72.6	80	51-80	N/A	Several islands of jack pine that are relatively similar and are surrounded by wetland. No access to these islands due to this.																																																							
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98	500 - Water	Nonstocked	46.8			No	not so much cat-tail as suounding stand and with lots of standing water on imagery																																																															
100	4191 - Mixed Upland Deciduous with Conifer	Poletimber Poor	14.6	98	1-50	N/A	Mature oak with red maple, trembling aspen, and jack pine. Stand is fairly open with lots of grassy pockets. Stand is mostly upland surrounded by low ground and it has a few small wet potholes in the interior. Drainage ditch separates this stand from the rest of the higher ground to the north.																																																															
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101	4124 - Red with White Oak	Sawtimber Medium	54.5	89	51-80	N/A	Variable oak ridge surrounded by lowland non-forested types, edges and lower parts which were not treated are sapling-pole size red maple and trembling aspen, bulk of stand was shelterwood cut in 2011.																																																															
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102	4125 - Black, N. Pin Oak	Sawtimber Well	9.1	89	81-110	N/A	2 islands of slightly higher ground surrounded by wet terrain, untreated portion of oak stand to the west, hummucky ground, red maple saplings-poles heavy in spots (esp. on the edges), west island is heavy to red pine, east island is mostly hardwoods, stand is doing well on its own, good stand to leave for wildlife																																																															
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103	6225 - Bog	Nonstocked	22.2			No	Bog																																																															
104	3102 - Grass	Nonstocked	8.7			Managed Opening	Maintained wildlife opening																																																															



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<b>105</b>	6112 - Lowland Aspen	Sapling Medium	7.6	25	1-50	N/A	Lowland aspen stand that was cut in 1998. It is coming back nicely, but with less aspen as you get towards the west edge which is more wet. Understory is brushy and heavy to tag alder. Some larger white and red pine were left when it was cut.																																																					
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<b>106</b>	122 - Road/Parking Lot	Nonstocked	2.6			No	Nellsville Road																																																					
<b>107</b>	4130 - Aspen	Sapling Well	7.5	25	51-80	N/A	Stand was cut in 1998, leaving oak sawlogs (especially the north 1/2 of stand), mix of big tooth and quaking aspen																																																					
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<b>108</b>	310 - Herbaceous Openland	Nonstocked	1.6			No	Powerline right of way																																																					
<b>109</b>	4130 - Aspen	Sapling Well	4.6	25	51-80	N/A	stand cut in 1998, scattered oak and white pines were left																																																					
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<b>110</b>	4124 - Red with White Oak	Sapling Medium	7.0	13	1-50	N/A	Stand was seed tree cut in 2018 leaving mature oak in the overstory. Stand was also shelterwood cut in 2011 and underburned twice in the last 10 years to reduce the duff layer and expose mineral soil for acorn germination. Lots of oak started in the understory except in the north part of the stand which has a heavy red maple understory, most oak regeneration is from seed but there are some stump sprout oak also.																																																					
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111	3102 - Grass	Nonstocked	4.5			Managed Opening	Maintained wildlife opening																															
112	310 - Herbaceous Openland	Nonstocked	32.7	0	Unspecified	4222 - Natural Jack Pine	Jack pine that was cut in fall 2017. Clumps of jack pine and red maple saplings were left. Jack pine natural regen is also coming back slowly in places, but it is somewhat sparse especially areas where there is standing water. Stand doesn't meet regen requirements currently, but may become low density trees or forested at low stocking next year of entry.																															
114	6112 - Lowland Aspen	Poletimber Medium	7.9	39		N/A	lowland aspen island surrounded by "L", marginally higher than surrounding terrain, low volumes/stockings, cut by 2 or 3 broad drainages including Nellsville Drain, west 2/3rds was habitat cut in 1984, east 1/3rd is 1947 YOO																															
118	6112 - Lowland Aspen	Poletimber Medium	14.6	83	51-80	N/A	mixed stand of aspen and jack pine																															
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119	6112 - Lowland Aspen	Sawtimber Poor	38.1	94	Unspecified	N/A	Mix of lowland shrub with scattered aspen and jack pine																															
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120	42220 - Natural Jack Pine	Poletimber Well	46.9	67	51-80	N/A	Upland jack pine with areas of lowland jack pine and scattered pockets of lowland brush. Very poor access due to surrounding wetland and Nellsville drain.																															
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121	6112 - Lowland Aspen	Poletimber Poor	17.7	80	1-50	N/A	Low Density Aspen SL on a wet site, west end has more jack pine and more volume. Very poor access due to surrounding wetlands and drainage to the north.																															
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122	6229 - Mixed lowland shrub	Nonstocked	14.2		Unspecified	No	There appears to be some smaller aspen and jack pine mixed in to the lowland shrubs.																															
123	500 - Water	Nonstocked	9.2		Unspecified	No	Open water drainage																															
127	6112 - Lowland Aspen	Poletimber Medium	19.5	94	Unspecified	N/A	Aspen island in middle of large wetland with no access.																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
<b>129</b>	4130 - Aspen	Sapling Medium	71.2	32	1-50	N/A	Patchy upland aspen with open pockets of lowland brush mixed in.																																
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<b>130</b>	310 - Herbaceous Openland	Nonstocked	5.4		Immature	Managed Opening	managed wildlife openings																																
<b>131</b>	310 - Herbaceous Openland	Nonstocked	10.6				3 well sites surrounded by grassy openings																																
<b>132</b>	4130 - Aspen	Sapling Well	49.1	21	1-50	N/A	Young aspen cut in 2002, stand is hummocky ground interspersed with lowland brush.																																
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<b>133</b>	6112 - Lowland Aspen	Sapling Poor	6.7	32	Unspecified	N/A	Stand is an island of aspen surrounded by wetlands that was cut in 1991 with stand 134.																																
<b>134</b>	6112 - Lowland Aspen	Sapling Medium	36.3	32	1-50	N/A	Aspen interspersed with lowland shrub, scattered red maple and mixed oak poles, cut in 1991																																
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<b>135</b>	310 - Herbaceous Openland	Nonstocked	3.0			Managed Opening	Managed wildlife opening																																
<b>137</b>	623 - Emergent Wetland	Nonstocked	80.6			No																																	
<b>138</b>	622 - Lowland Shrub	Nonstocked	9.6			No																																	
<b>139</b>	6112 - Lowland Aspen	Poletimber Poor	25.6	94	Unspecified	N/A	Low wet ground with tag alder and scattered trees. Also, lots of standing dead trees, especially in wetter areas.																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments										
140	3102 - Grass	Nonstocked	0.5	0		No	small non-forested opening used as a landing for cuts to the north of M-55										
142	42220 - Natural Jack Pine	Poletimber Well	0.8	80	111-140	N/A	island of jack pine cut off by wetter terrain and left for retention when Stands 112 and 116 were cut in Fall 2017										
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143	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.3	0		No	old well site, plugged 8/19/1958, lower wetter ground with some tag alder and scattered trees										