



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71078

Entry Year 2026

Acreage: 2,696

County Ogemaw

Management Area: High Sand Plains

Stand Examiner: Avery Sanborn

Legal Description:

T24N R1E Sections 22, 23, 26, 27, 34, 35.

Identified Planning Goals:

Maintain age class diversity in jack pine stand in accordance with Kirtland's Warbler habitat objectives. Liquidate decadent aspen and jack pine stands to either release desirable subcanopy white pine or regenerate aspen while maintaining underrepresented species to promote diversity. Attempt to establish functioning natural pine stands by implementing seed tree harvests in mature red pine plantations with minimal hardwood competition. Establish fuel breaks with timber harvests and maintain by mastication or prescribed fire.

Soil and topography:

Soils in this compartment consist primarily of graycalm sands with minor components of grayling sands. Terrain in the compartment is mostly flat to gently rolling.

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

State ownership is solid in sections 22, 27, and 23. Sections 26, 35, and 34 have anywhere from 60 to 400 acres of private ownership.

Unique Natural Features:

Festuca altaica, is known to exist in stand 11 and probably in other areas of the compartment.

Archeological, Historical, and Cultural Features:

None known or detected during fieldwork.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

None.

Wildlife Habitat Considerations:

This compartment is a part of the Kirtland's Warbler management area. Maintain jack pine type in age classes as determined to maintain Kirtland's Warbler populations.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and peat and muck. The glacial drift thickness varies between 400 and 600 feet.

No known potential exists for metallic minerals in this part of the state. No known active sand/gravel operations exist in the area. There appears to be some potential for aggregate, primarily sand, within the compartment on the uplands, but the compartment might be too far from populated areas (markets) for any potential sand & gravel resources to have much economic value beyond use by the county road commission or DNR for local road maintenance. The compartment is bordered on the west, north, and east by production within the Rose City oil & gas field. The field is relatively old, but the majority of wells are still producing. No new wells have been permitted in the area in the last 30 years, and expansion of the field is unlikely. Secondary recovery operations are occurring to the east of the compartment. Several wells were drilled in the north end of the compartment as attempted in-fill completions, but they were dry holes. State-owned oil & gas rights at the east edge of the compartment are currently leased and held by production. 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 in this compartment is good with both section roads and roads within sections.

Survey Needs:

None needed.

Recreational Facilities and Opportunities:

There is one snowmobile trail that runs through the South half of the compartment in sections 34, 35, 27, and 26. Assure logging ahead signs are used to notify vehicle operators of the logging activity. Compartment is used for deer and bobcat hunting.

Fire Protection:

This compartment is almost entirely dense KW jack pine. Urban Interface to the SE of the compartment. Numerous section and interior roads should make access easy.

Additional Compartment Information:

The following reports from the Inventory are attached:

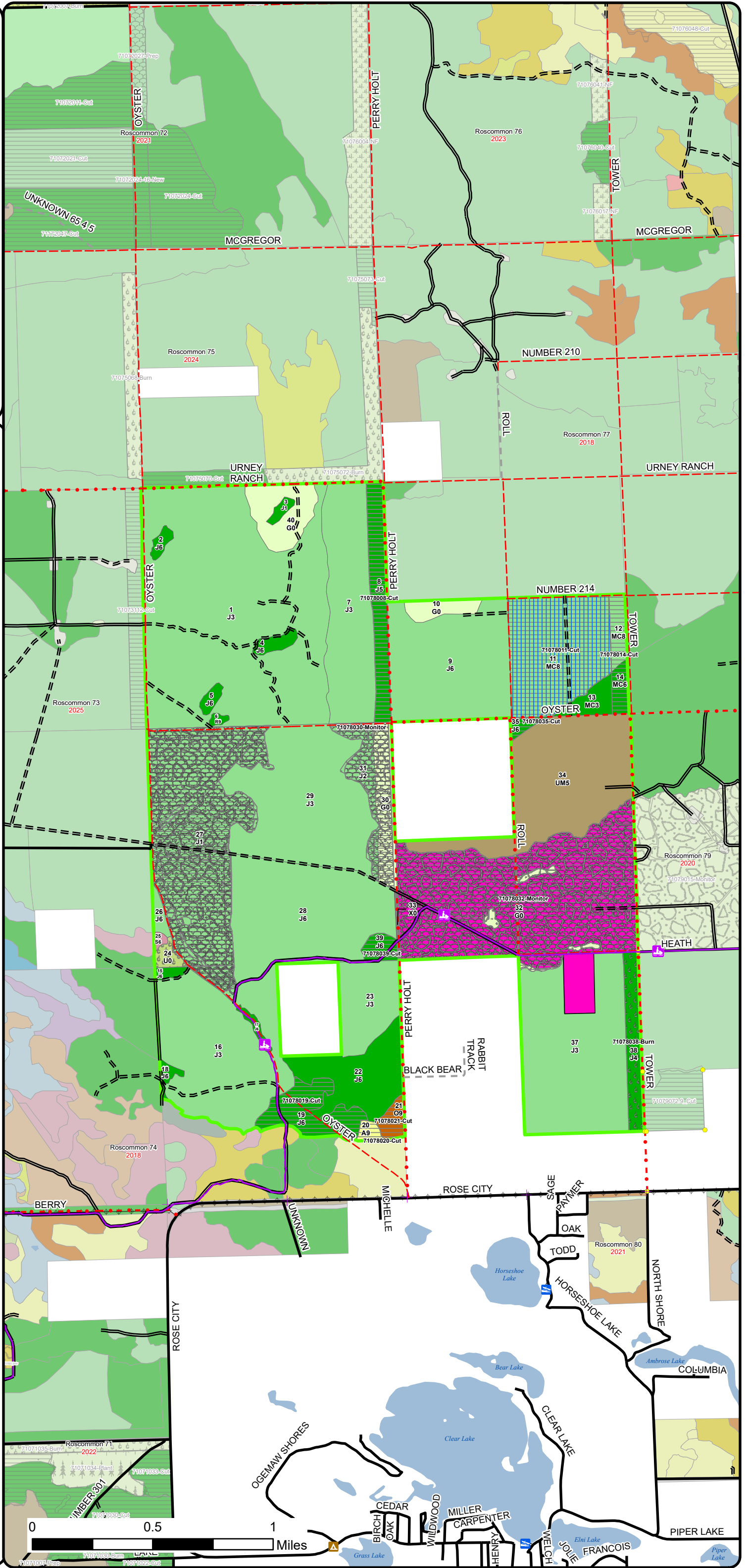
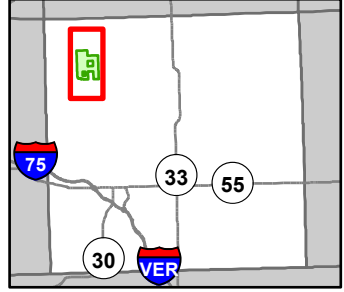
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

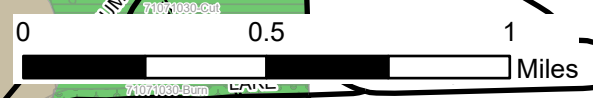
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 71078
 T24N, R1E, Sec: 22, 23, 26, 27, 34, 35
 County: Ogemaw
 Unit: Roscommon
 Mgmt Area: High Sand Plains
 YOE: 2026
 Acres: 2695.7 GIS Calculated
 Examiner: Avery Sanborn
 Map Revised: 6/18/2024
 Map Phase: Web Post

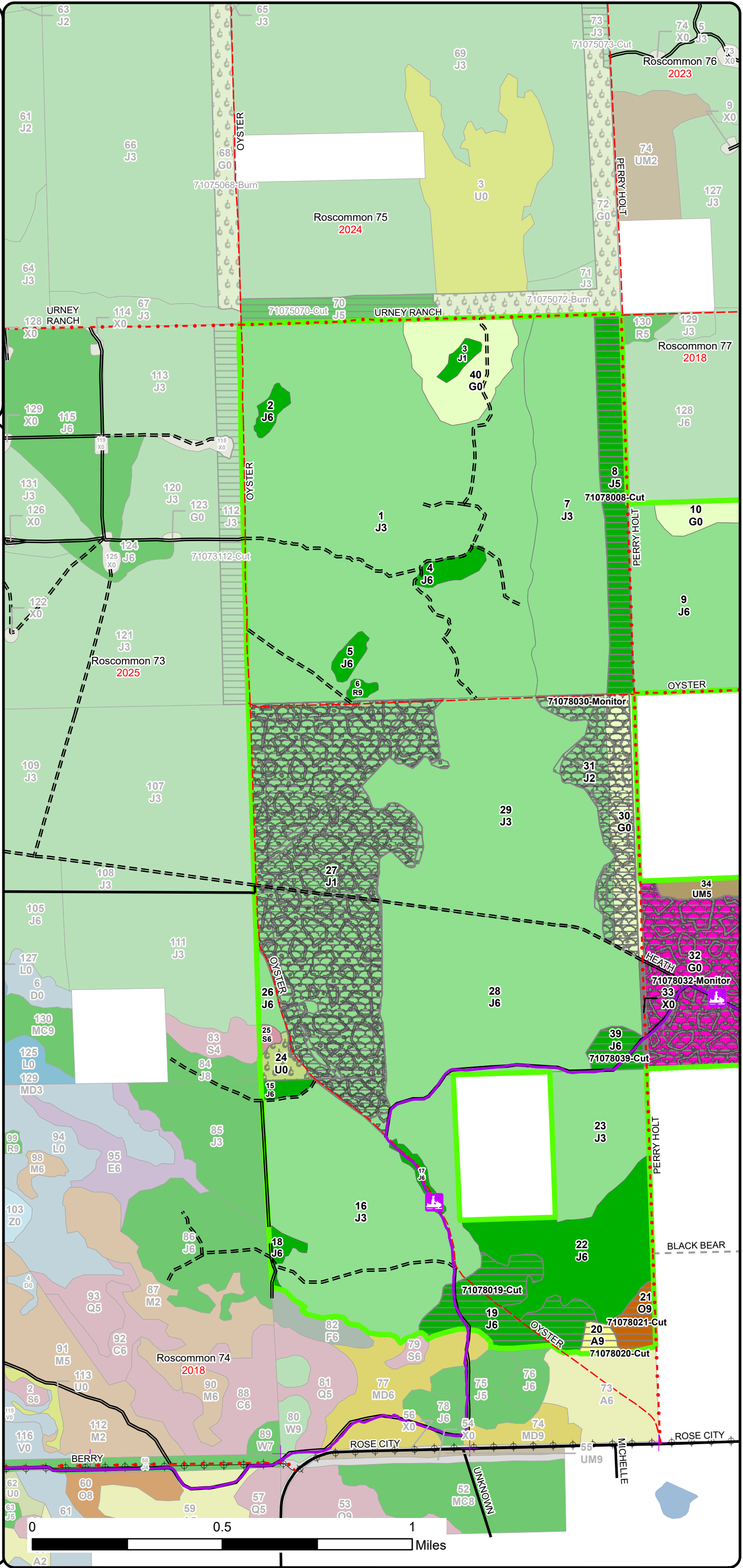
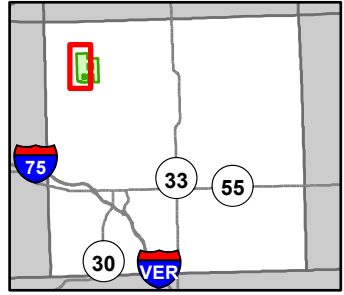


- Snowmobile Trails
- Designated Snowmobile Trails
- Remonumented Section Corners
- Survey Grade Corners
- Boating Access Site
- Campground
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Lakes and Rivers
- Lake/Pond
- Pipeline
- Powerline
- Counties
- Compartment Boundary
- Clearcut (w/Reserves)
- Prescribed Burn
- Seed Tree (w/Reserves)
- Regeneration Survey
- Clearcut (w/Reserves)
- Prescribed Burn
- Regeneration Survey
- Site Prep
- **INCORRECT ATTRIBUTES****
- 412 - Oak Types
- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub

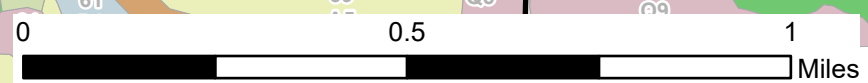


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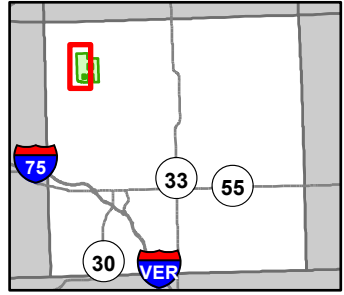


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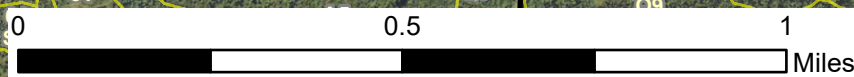
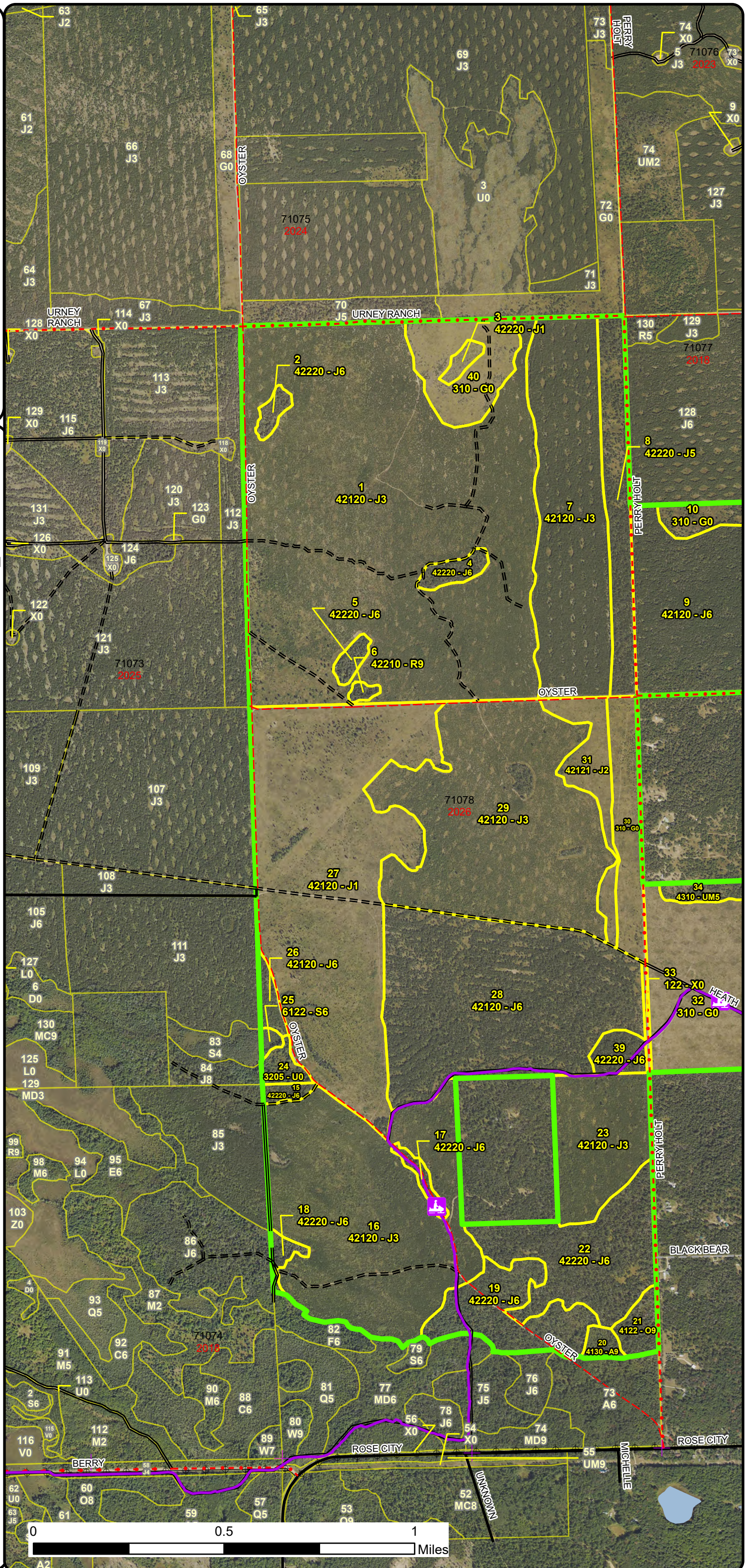


Stand Boundary Map

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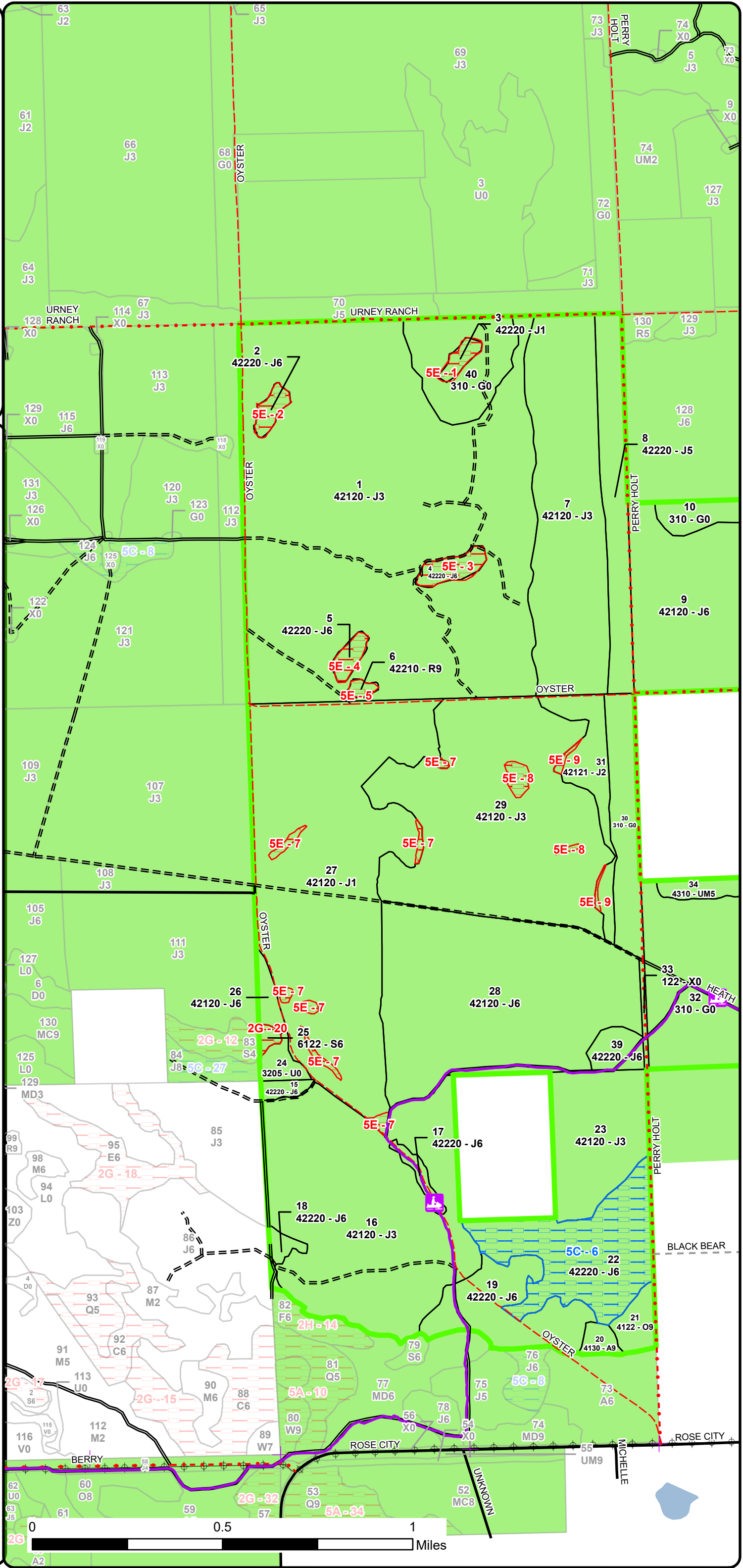
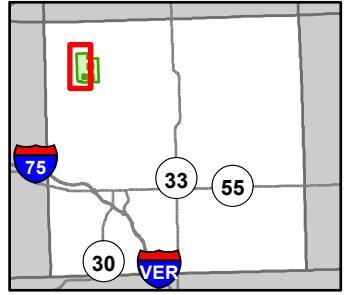


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Special Conservation Areas & Site Conditions Map

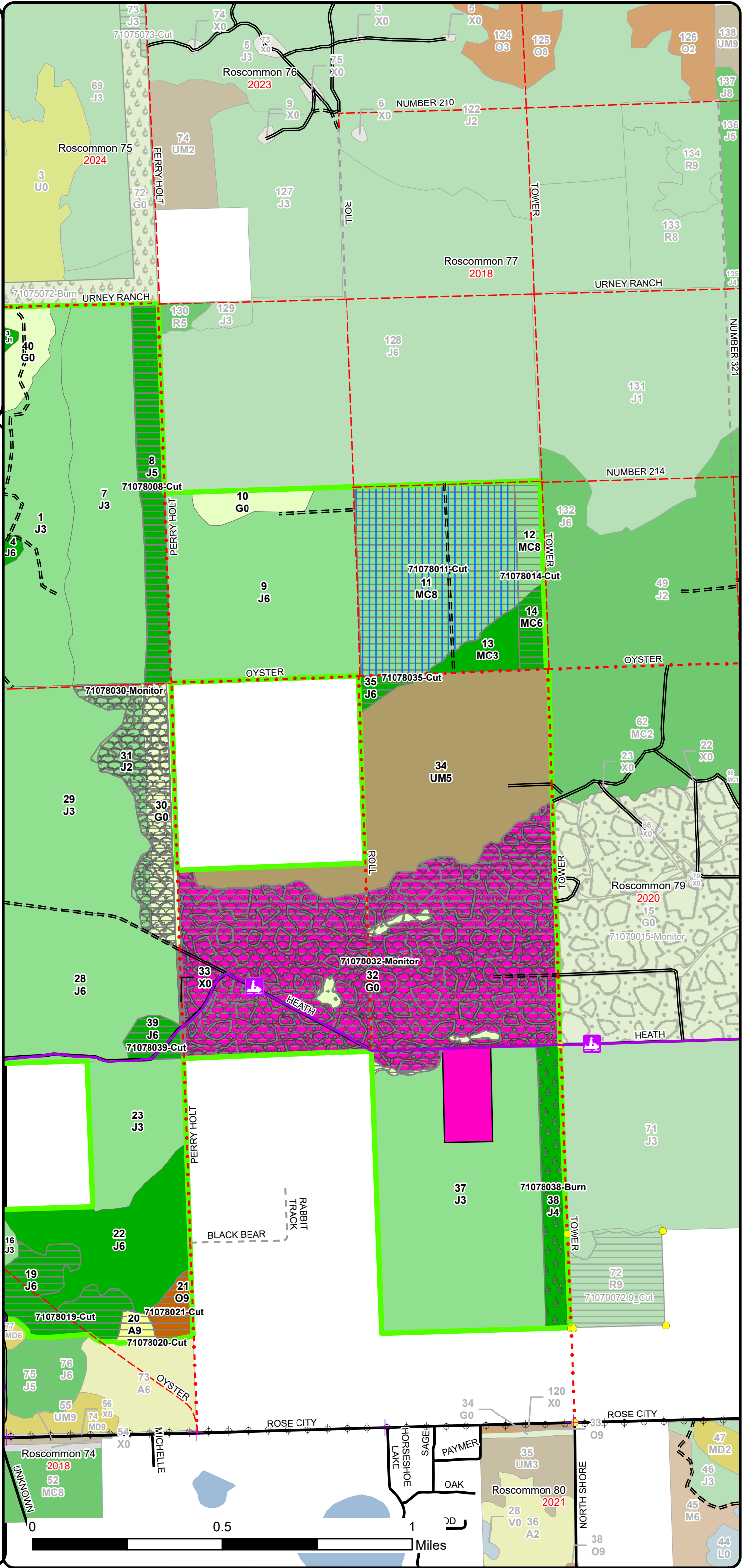
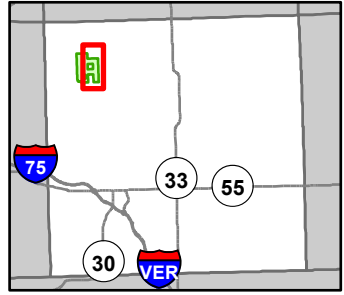
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- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Available w/ Constraints
- Unavailable
- Stand Boundaries
- Kirtland Warbler Habitat

Cover Type & Treatments Map

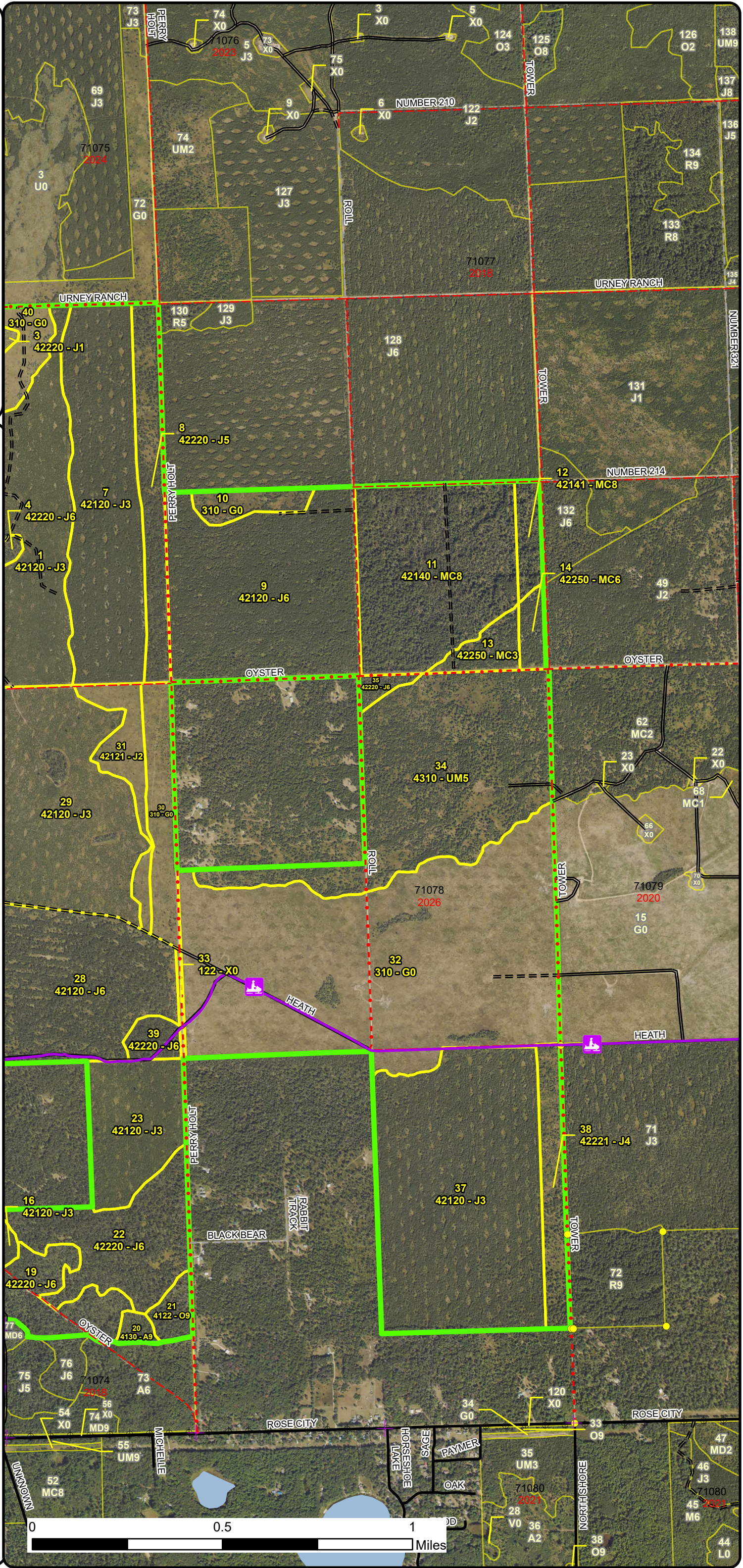
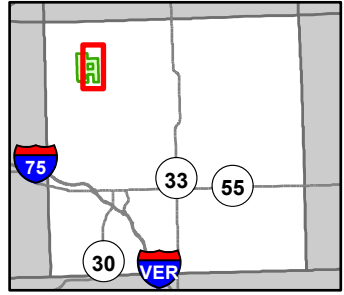
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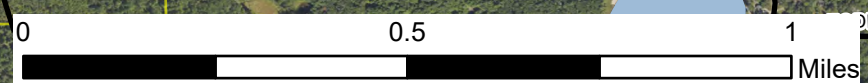
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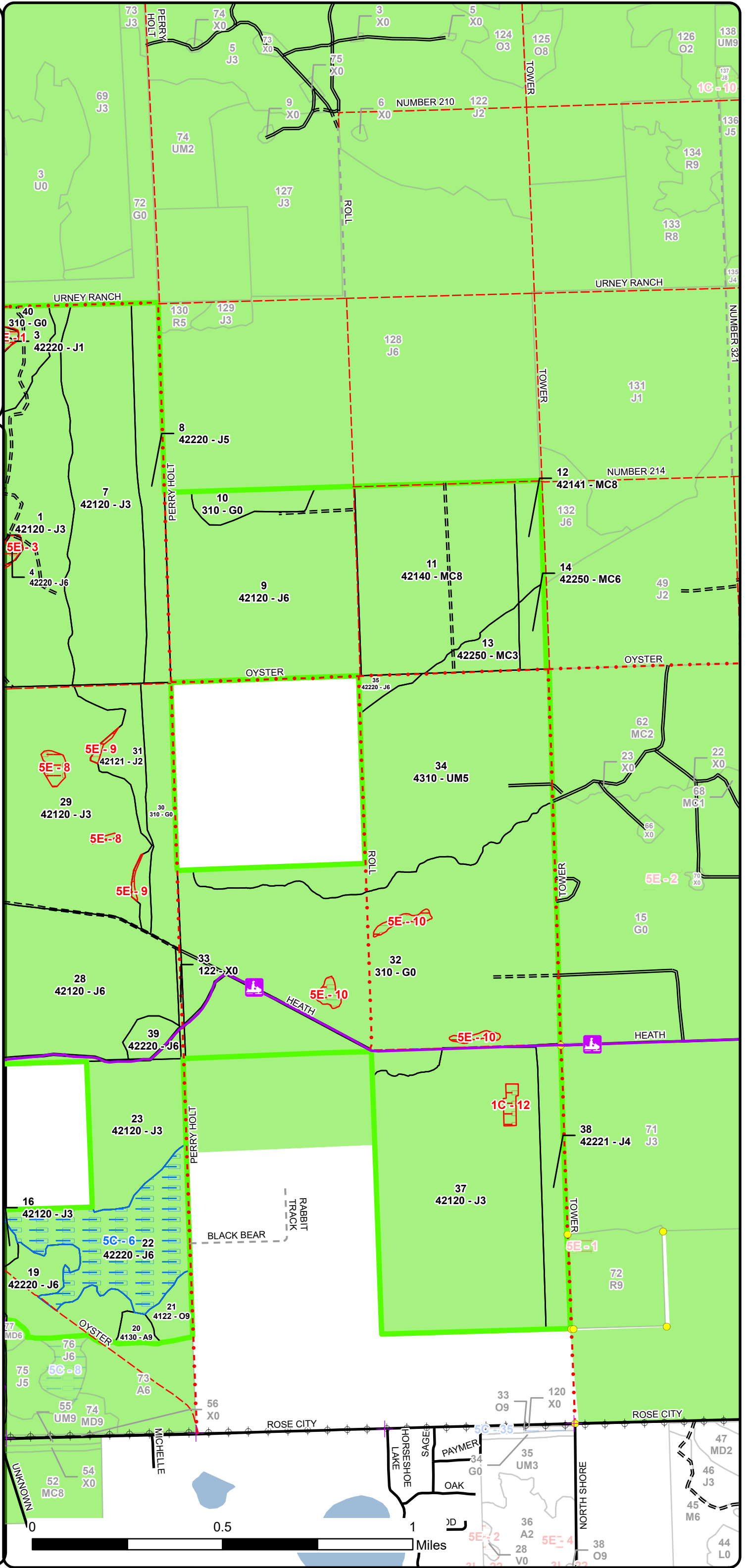
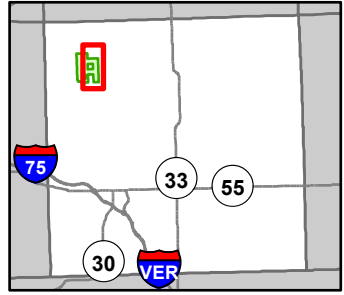


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- 1C: Other dept or div proc/practices
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- Available w/ Constraints
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- Stand Boundaries
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Report 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+	Uneven-Aged	Total
Aspen	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	4
Herbaceous Openland	391	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	391
Jack Pine	0	260	836	0	507	40	256	55	0	0	5	0	0	0	0	0	0	0	1959
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
Natural Mixed Pines	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Oak	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	9
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	120	0	0	0	0	0	0	0	13	133
Red Pine	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Upland Mixed Forest	0	0	0	0	164	0	0	0	0	0	0	0	0	0	0	0	0	0	164
Upland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	399	260	836	0	694	40	256	57	0	5	134	2	0	0	0	0	0	13	2695



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2026

Acres of Harvest

Compartment 78
Total Compartment Acres: 2,696

Commercial Harvest - 253
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
Aspen	5	0	0	0	0	0	0	0	0	5
Jack Pine	98	0	0	0	0	0	0	0	0	98
Oak	9	0	0	0	0	0	0	0	0	9
Planted Mixed Pines	22	0	0	120	0	0	0	0	0	141
Total	134	0	0	120	0	0	0	0	0	253

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	253	0	0	0	30	0	361	0	0	644
Next Step	0	134	9	0	94	0	736	0	0	973
Total	253	134	9	0	123	0	1097	0	0	1617



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Proposed Treatments:

8	71078008-Cut	42.1	42220 - Natural Jack Pine	Poletimber Medium	31	1-50	Harvest	Clearcut	3102 - Grass		No
<p><u>Prescription</u> Clear-cut all trees 2" +. Requires chipping to reduce slash. Manage for fuel break. <u>Specs:</u></p> <p><u>Next Step</u> Burn, Fuel Break <u>Treatments:</u></p> <p><u>Acceptable</u> Manage as a fuel break. <u>Regen:</u></p> <p><u>Other</u> maintain as an opening using prescribed fire or mastecation. <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
11	71078011-Cut	119.7	42140 - Planted Mixed Pine	Sawtimber Medium	96	51-80	Harvest	Seed Tree	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Seed tree leave 10 ba red pine. Scarify right before red pine seed cones open. Do not cut oak. Cut all other trees to 2". Leave retention in SW corner in an area with the least pine. <u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Red pine, jack pine, and oak at fully stocked levels <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
12	71078014-Cut	21.5	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Medium	96	51-80	Harvest	Clearcut	310 - Herbaceous Openland		No
<p><u>Prescription</u> 2" and up. Burn to maintain as a fire break. <u>Specs:</u></p> <p><u>Next Step</u> Burn, Fuel Break <u>Treatments:</u></p> <p><u>Acceptable</u> Planned fuel break. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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19	71078019-Cut	41.7	42220 - Natural Jack Pine	Poetimber Well	66	51-80	Harvest	Clearcut with Retention	42250 - Pine, Oak	Even-Aged	No
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Prescription Cut everything except white and red pine down to 2". Scatter all jack pine tops to encourage natural regeneration. Place retention on the west end of stand. Snowmobile trail runs through stand. Protect with appropriate specs.

Next Step Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: White pine, oak, jack pine, red pine at fully stocked levels.

Other Comment: Encourage contractor to move jack pine tops to areas without white pine regeneration.

Site Condition

Proposed Start Date: 10/1 /2025

20	71078020-Cut	4.5	4130 - Aspen	Sawtimber Well	81	51-80	Harvest	Clearcut	4133 - Aspen, Mixed Pine	Even-Aged	No
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Prescription Use spec protecting all red and white pine. 2"+ otherwise.

Next Step Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of Aspen, white pine, oak, Jack pine, red pine, at fully stocked levels.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2025

21	71078021-Cut	9.3	4122 - Oak, Pine	Sawtimber Well	93	51-80	Harvest	Clearcut	4310 - Pine, Oak Mix	Even-Aged	No
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Prescription Cut all stems 2" and up. Replant to red Pine.

Next Step Monitoring, Natural Regen (Re-Inventory); SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(3yr); Monitoring, Treatments: Herbicide Use

Acceptable Regen: Red pine at fully stocked levels.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2025

32	71078032-Monitor	309.0	310 - Herbaceous Openland	Nonstocked	0	Unspecified	Monitoring	Artificial Regen(3yr)	4212 - Planted Jack Pine	Even-Aged	No
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Prescription Monitoring.

Next Step Monitoring, Artificial Regen(3yr)

Acceptable Regen: Jack Pine at KW Specs.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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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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35	71078035-Cut	5.1	42220 - Natural Jack Pine	Poletimber Well	96		Harvest	Clearcut	42250 - Pine, Oak	Even-Aged	No
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Prescription Cut all stems 2"+ and protect red pine advance regen. Scarify with stand 11 while avoiding red pine.

Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Jack pine, red pine, oak, at fully stocked levels.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

38	71078038-Burn	29.9	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Poor	40	1-50	Burn	Fuel Break	31022 - Warm Season Grass		No
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Prescription Oak wilt specs. leave sporadic oaks. Mastication or Rx burn

Specs:

Next Step Burn, Fuel Break

Treatments:

Acceptable Grass. maintain as a fuel break by mastication or Rx burn.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

39	71078039-Cut	9.3	42220 - Natural Jack Pine	Poletimber Well	61	81-110	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	No
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Prescription Cut all stems 2"+. Do not cut red pine. Scarify. Snowmobile trail runs through stand. Protect with appropriate specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Jack pine and red pine at fully stocked levels.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

Approved Treatments:

30	71078030-Monitor	52.3	310 - Herbaceous Openland	Nonstocked		Immature	Monitoring	Artificial Regen(3yr)	4212 - Planted Jack Pine	Even-Aged	No
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Prescription monitor

Specs:

Next Step Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable kw jack pine stocking levels

Regen:

Other

Comment:

Site Condition



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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 Start Date: 10/1 /2020

Total Treatment Acreage Proposed: 644.4

Report 4 – Site Conditions

Roscommon Mgt. Unit
Avery Sanborn : Examiner

Compartment: 78
Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		5C	1C	2G	5E
4	4	0	0	Aspen				
391	385	0	6	Herbaceous Openland				6
1960	1861	67	32	Jack Pine	67	2		30
2	0	0	2	Lowland Spruce/Fir			2	
23	23	0	0	Natural Mixed Pines				
9	9	0	0	Oak				
132	132	0	0	Planted Mixed Pines				
2	0	0	2	Red Pine				2
164	164	0	0	Upland Mixed Forest				
6	6	0	0	Upland Shrub	0			
2	2	0	0	Urban				
2,696	2,587	67	42	Total Forested Acres	67	2	2	38
	96%	2%	2%	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	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Avery Sanborn : Examiner

Compartment: 78
Year of Entry: 2026

4	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	67	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Avery Sanborn : Examiner

Compartment: 78
Year of Entry: 2026

12	Unavailable	1C: Other dept or div proc/practices	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Roth 2017 thinning plots - MSU stand 12							
20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
1	42120 - Planted Jack Pine	Sapling Well	428.7	13	Immature	N/A	KW Jack pine plantation planted 2011		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Pine		2	Log	14					
Black Oak		2	Sapling	2					
Jack Pine		95	Sapling	2	13				
Pin Cherry		1	Sapling	2					
2	42220 - Natural Jack Pine	Poletimber Well	4.4	53	51-80	N/A	J6 island left as retention when surrounding jack pine stands were cut in 2009.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		100	Pole	7	53	Pin Cherry	Low	5 - 10 feet	Sapling
						Jack Pine	Low	5 - 10 feet	Sapling
3	42220 - Natural Jack Pine	Sapling Poor	3.7	6	Immature	N/A	J6 island left as retention when surrounding jack pine was cut in 2009, burned in 2018 and well stocked jack pine regen. stand has a scatttereing of red pine.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Pine		2	Log	14					
Jack Pine		98	Sapling	1	6				
4	42220 - Natural Jack Pine	Poletimber Well	7.0	56	51-80	N/A	J6 island which was left as retention when the surrounding jack pine stand was cut.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		100	Pole	7	56	Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
						Pin Cherry	Low	5 - 10 feet	Sapling
						Jack Pine	Low	5 - 10 feet	Sapling
5	42220 - Natural Jack Pine	Poletimber Well	4.4	53		N/A	J6 island which was left for retention when surrounding jack pine stands were cut in 2009		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		95	Pole	8	53	Pin Cherry	Low	5 - 10 feet	Tall Shrub
Red Pine		3	Log	14		Jack Pine	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		2	Log	11					
6	42210 - Natural Red Pine	Sawtimber Well	2.0	65	81-110	N/A	R6 island that was left as retention when surrounding jack pine stands were cut in 2009		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		98	Log/Pole	13	65	Red Pine	Low	5 - 10 feet	Sapling
Jack Pine		2	Pole	7		Pin Cherry	Low	5 - 10 feet	Sapling
						Jack Pine	Low	5 - 10 feet	Sapling
7	42120 - Planted Jack Pine	Sapling Well	119.2	31	Immature	N/A	J3 planted 1993		
Canopy Species		% Cover	Size Class	DBH	Age				
Jack Pine		100	Sapling	3	31				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
8	42220 - Natural Jack Pine	Poletimber Medium	42.1	31	1-50	N/A	Fuel break, mix of jack pine poles with a few oak saplings and poles. South end is better stocked than the north end, cut and burn to maintain as a fuel break.																																					
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9	42120 - Planted Jack Pine	Poletimber Well	146.3	36	51-80	N/A	Planted to jack pine in opposing weave pattern in June 1987, stand has scattered red pine poles/logs along South and East sides. Oak is more prevalent on the South and East sides.																																					
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10	310 - Herbaceous Openland	Nonstocked	13.5			No	Unmaintained grassy opening with scattered jack pine saplings and poles, stand was left un-planted when Stand 9 was planted because it was a former oil well site that was plugged in the 1960's.																																					
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11	42140 - Planted Mixed Pine	Sawtimber Medium	119.7	96	51-80	N/A	Stand ranges from a few spots of R9 which could be thinned, numerous spots of R9 which do not need to be thinned, and a J3O2 cohort which is just converting to pole size. There are multiple ages of red pine and at least 2 ages/sizes of jack pine - possibly due to past fire history in this stand. The southwest corner and west edge of the stand are heavy to oak poles and saplings. Stand appears to be a natural stand but planting records from 1927 were found. Recommend holding stand another 10 years until jack pine and oak in the understory is more merchantable and the surrounding stands grow up more, stand is surrounded by KW blocks but does not appear to be in any of them currently																																					
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12	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Medium	12.6	96	51-80	N/A	Part of the planted red pine stand to the West (11), which has been managed the same. Past notes indicate fire history here. Stand was thinned in 1998/1999. Planned fuel break. Jack pine and oak in the canopy are now mostly merchantable.																																					
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13	42250 - Pine, Oak	Sapling Well	13.9	36	51-80	N/A	Burned in 1988. Perry Holt fire. Natural regeneration.																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
14	42250 - Pine, Oak	Poletimber Well	8.9	36	51-80	N/A	Planned fuel break. Burned in June 1988 Perry Holt fire. Stand is now merchantable and should be cut for a fuel break.																																								
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15	42220 - Natural Jack Pine	Poletimber Well	3.7	43	51-80	N/A	Small jack pine stand with openings that are filling in with cherry. Cherry is scattered throughout the stand. There is a small amount of black spruce on the north side.																																								
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Black Spruce	Low	Variable	Sapling																																												
16	42120 - Planted Jack Pine	Sapling Well	177.9	14	Immature	N/A	Jack pine plantation that is being managed for the Kirtland's warbler. Cherry is scattered throughout the stand and is dense in places, sparse in others. There are a few supercanopy red pine.																																								
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17	42220 - Natural Jack Pine	Poletimber Well	4.2	68	51-80	N/A	Left as retention when the surrounding plantation was established. This stand was intended to be retention and to mimic a vortice that is created during a wildfire.																																								
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18	42220 - Natural Jack Pine	Poletimber Well	4.2	57	81-110	N/A	Looks as if this could have been left as retention from the stand 16 was cut. The north side is wetter with more black spruce.																																								
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19	42220 - Natural Jack Pine	Poletimber Well	41.7	66	51-80	N/A	Jack pine pole sized stand with occasional logs. The sub-canopy is mostly cherry and white pine with a minor component of oak. Jack pine is in severe decline and needs to be cut.																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
20	4130 - Aspen	Sawtimber Well	4.5	81	51-80	N/A	Mature quaking aspen stand with major mortality. Occasional sapling/pole white and red pine and a few log size jack pine still alive.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		99	Log/Pole	10	81	Pin Cherry	
Jack Pine		1	Log	12		White Pine	
						Quaking Aspen	
						Density	
						Avg. Height	
						Size	
21	4122 - Oak, Pine	Sawtimber Well	9.3	93	51-80	N/A	Declining hybrid oak stand with a strip of red and jack pine on the west side. occasional sub-canopy white and red pine. heavy pine cherry in the understory.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black/Red (Hybrid) Oak		60	Log	15	93	White Pine	
Jack Pine		10	Log/Pole	12		Black Cherry	
Black Cherry		5	Pole/Sapling	6			
Red Pine		25	Log	14			
						Density	
						Avg. Height	
						Size	
22	42220 - Natural Jack Pine	Poletimber Well	66.5	58	51-80	N/A	Jack pine stand with some oak either in pockets or individually. The jack pine is mostly of one cohort but some are super canopy. There are small openings throughout the stand. Could be cut for KW if needed.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black/Red (Hybrid) Oak		20	Log/Pole	10		Jack Pine	
Jack Pine		75	Pole/Log	9	58	Pin Cherry	
Pin Cherry		5	Pole/Sapling	6			
						Density	
						Avg. Height	
						Size	
23	42120 - Planted Jack Pine	Sapling Well	53.8	13	Immature	N/A	KW jack pine plantation.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		2	Log	13			
Pin Cherry		2	Sapling	1			
Jack Pine		96	Sapling	2	13		
						Density	
						Avg. Height	
						Size	
24	3205 - Mixed Upland Shrub	Nonstocked	6.2		Immature	Managed Opening	Upland brush converted to low density trees, stand was probably cut in early 80's and not artificially regenerated, consists of scattered jack pine and oak saplings/poles with scattered pin cherry saplings
Sub-Canopy Species		Density	Avg. Height	Size			
Black/Red (Hybrid) Oak		Low	Variable	Pole			
Pin Cherry		Medium	Variable	Sapling			
Jack Pine		Medium	>20 feet	Pole			
25	6122 - Black Spruce	Poletimber Well	2.0	101	1-50	N/A	Small tip of a larger spruce swamp to the west, parts are fairly wet and more open with tag-alder, higher ground is black spruce and redmaple with scattered white birch.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		96	Pole	6	101	Tag Alder	
Paper Birch		1	Pole/Log	9		Black Spruce	
Red Maple		3	Pole	7			
						Density	
						Avg. Height	
						Size	
26	42120 - Planted Jack Pine	Poletimber Well	5.9	43	51-80	N/A	Jack pine pole/sapling stand, which was planted with the stand to the west. Some areas, especially in the south, are heavy to oak.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		85	Pole/Sapling	5	43	Black/Red (Hybrid) Oak	
Black/Red (Hybrid) Oak		15	Sapling/Pole	4		Pin Cherry	
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						Avg. Height	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
27	42120 - Planted Jack Pine	Sapling Poor	230.4	6	Immature	N/A	Was cut fall 2016 for KW Habitat. Stand planted in May 2018. Scattered red pine left from last harvest. Scattered oak and pin cherry stump sprouts at about 15 feet. Most areas have had good jack pine seedling survival. Confirm adequate stocking next cycle. 5 retention islands, 3 of which are jack pine strips/corners and the other 2 are wet holes.																																				
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28	42120 - Planted Jack Pine	Poletimber Well	169.9	50	1-50	N/A	Mix of natural and planted jack pine for kirtlands warbler. Just now converting to pole size with plenty of sapling. Very slow growing, south end along private property has buffer of J6 approx 1 chain by 20 chains (2 AC) between snowmobile trail and private property line.																																				
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29	42120 - Planted Jack Pine	Sapling Well	175.9	13	Immature	N/A	Stand cut 2010 and planted to jack pine in 2011 for kirtlands warbler. Scattered natural oak regeneration, 2 pockets of pole size jack pine left as retention.																																				
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30	310 - Herbaceous Openland	Nonstocked	32.1		Immature	Managed Opening	Stand left unplanted for fuel break.																																				
31	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Medium	25.5	6	Immature	N/A	Stand planted 2018.																																				
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32	310 - Herbaceous Openland	Nonstocked	309.0	0	Unspecified	No	Cut 2019-2021 as a part of Add-On KW. Trenched in weave pattern spring 2022. Planted KW jack pine 4/21/23 at 1159 TPA.																																				
33	122 - Road/Parking Lot	Nonstocked	2.4			No																																					
34	4310 - Pine, Oak Mix	Poletimber Medium	163.6	36	1-50	N/A	Stand regenerated from Perry Holt Fire of 1987, fairly equal mix of jack pine and oak. Stand is variable with some areas heavier to jack pine or oak. Open areas are spread throughout. Stand contains an oil well flowline and has old and new flowlines from recent and older fires.																																				
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35	42220 - Natural Jack Pine	Poletimber Well	5.1	96		N/A	Best quality jack pine in the whole compartment. Scattered oak, red pine, and pin cherry understory.																																								
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37	42120 - Planted Jack Pine	Sapling Well	179.6	31	Immature	N/A	Jack pine planted in 1993 for kirtlands warbler, north end has 1 chain x 25 chain (2.5 AC) strip of J6 (circa 1977) between planted jack pine and Heath Road.																																								
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38	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Poor	29.9	40	1-50	N/A	Fuel-break of low density trees consisting of pin cherry, oak, and jack pine poles/saplings scattered throughout the stand.																																								
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39	42220 - Natural Jack Pine	Poletimber Well	9.3	61	81-110	N/A	Jack pine poles with a few logs size jack pine. Also red pine sapling and pole.																																								
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40	310 - Herbaceous Openland	Nonstocked	36.3	0		No	planted to Jack Pine for KW IN 2011 but was all burnt in a wildfire in August 2018.																																								
41	42120 - Planted Jack Pine	Sapling Well	20.2	30	Immature	N/A	Jack pine planted in 1993 for Kirtland Warbler, north end has 1 chain x 25 chain (2.5 AC) strip of J6 (circa 1977) between planted jack pine and Heath Road. Stand is to be masticated as a part of an MSU research study. Stand was dropped from research.																																								
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