



# Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71069

Entry Year 2024

Acreage: 1,439

County Ogemaw

Management Area: AuSable Outwash

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**Stand Examiner:** Brian Martell

**Legal Description:**

T23N R01E Sections 6, 7, 8, 17, 18.

**Identified Planning Goals:**

To maintain species and structural diversity while managing the ecosystem for health, productivity, sustainability and recreation within the compartment.

**Soil and topography:**

Topography is very flat sandy out washed plains. Soils are generally Roscommon mucky sands and Loxley peat in the lowlands, and Augres sands and Croswell sands on the uplands.

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

The compartment is almost completely surrounded by state land. There is a 40 acre parcel on the other side of Rose City road that belong to the Ogemaw County Nature Park and another 40 acres of private property along the western boundary of the compartment.

**Unique Natural Features:**

None

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

None known.

**Special Management Designations or Considerations:**

None

**Watershed and Fisheries Considerations:**

Large portion of the compartment is lowland swamp and wetland. The main wetland in the central part of the compartment feeds Marsh Creek which eventually flows into Lake Saint Helen.

**Wildlife Habitat Considerations:**

This compartment is located along Rose City Road across from the Ogemaw Deer Park. It is relatively small and contains several lowland bogs and emergent wetlands. Upland stands consist primarily of jack pine. The compartment provides habitat for deer, turkey, snowshoe hare, woodcock and bear. This compartment sees heavy pressure for deer hunting and there is a deer hunting club just outside the compartment to the SE. Management considerations include treatments that will protect the wetland habitats and provide cover for species that require lowland refugia. No managed wildlife openings are in this compartment.

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

No known potential exists for metallic minerals in this part of the state. No active sand/gravel pits exist in the area, but commercial aggregate and private borrow pits are common in this region, and there is generally good potential for sand & gravel within the outwash and ice-contact glacial deposits of the area. The compartment appears to be predominantly wetlands, which could inhibit potential for surface mining. The nearest oil & gas production, past or present, is more than two miles to the northwest. No known oil & gas test wells have ever been drilled or permitted within the compartment. While there has been some oil & gas leasing in the compartment within the past five years, potential for hydrocarbon development is considered low at this time. However, active state oil & gas leases occur just over one mile to the south, so there could still be some potential in this area. 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 good around the upland edges of the compartment, but is non-existent within the lowland interiors of the compartment. There is an island of high ground in the middle of the compartment that has no vehicle access.

**Survey Needs:**

None

**Recreational Facilities and Opportunities:**

Snowmobile trail 9 occurs in section 8. Other areas of this compartment may be utilized for hunting, gathering, trapping or bird watching. The forest roads receive year round use by vehicles.

**Fire Protection:**

This compartment lies in the Zone 3 dispatch area. The majority of this compartment is lowland with limited access.

**Additional Compartment Information:****The following reports from the Inventory are attached:**

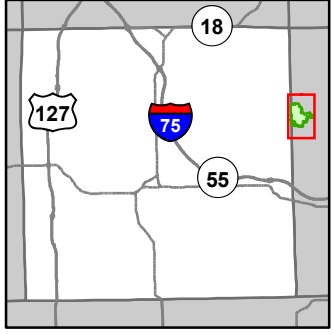
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

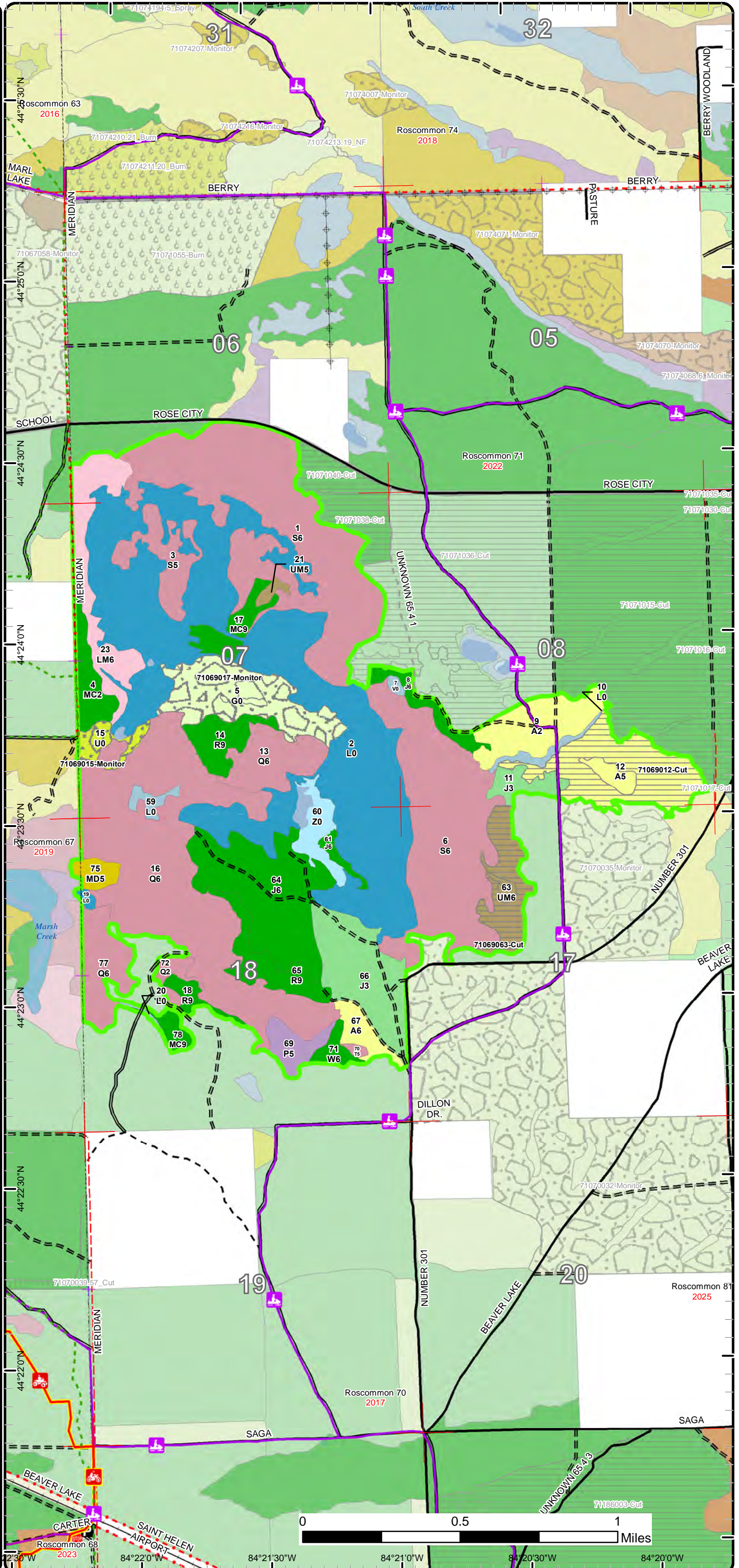
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 69  
 T23N, R01E, Sec. 6-8, 17-18  
 County: Ogemaw  
 Unit: Roscommon  
 Mgmt Area: AuSable Outwash  
 YOE: 2024  
 Acres: 1438.8 GIS Calculated  
 Examiner: Brian Martell  
 Map Revised: 12/28/2022  
 Map Phase: Post-Review

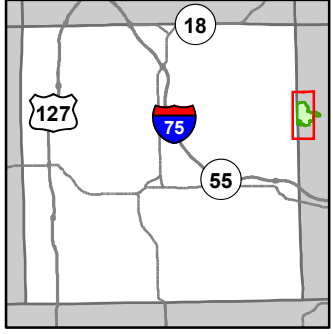


- Miris Corners
- ⊕ Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- == Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- 🛵 ORV Trails
- 🏂 Snowmobile Trails
- ⋯ Designated Hiking Trails
- Designated ATV
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Intermittent Stream
- Lake/Pond
- Lakes and Rivers
- ⚡ Powerline
- ▭ Compartment Boundary
- ▭ Clearcut (w/Reserves)
- ▭ Regeneration Survey
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed Non-forested Wetland

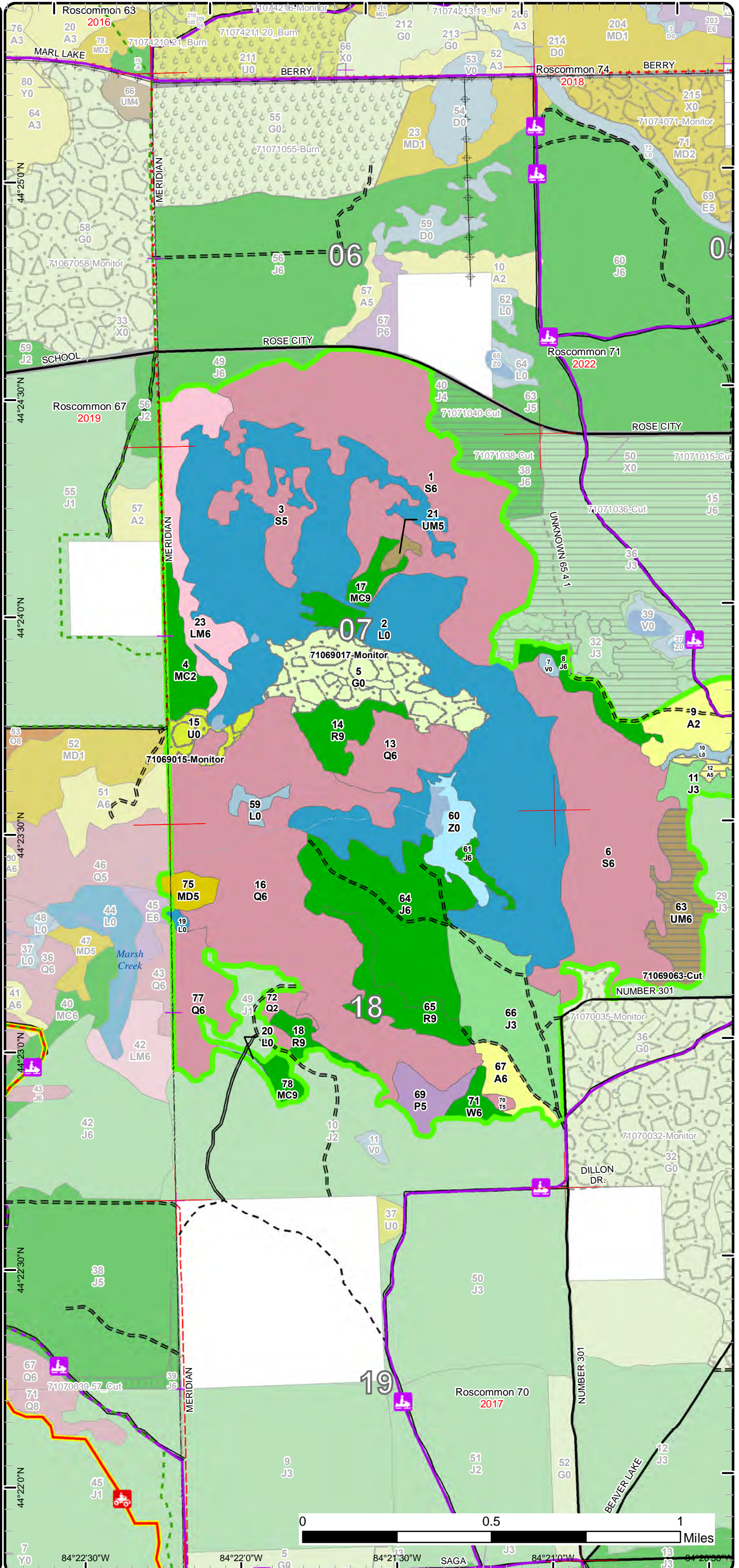


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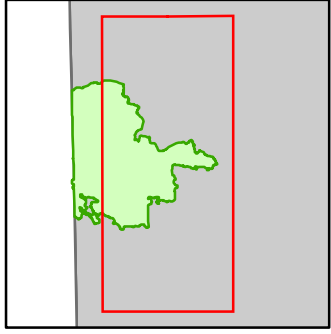
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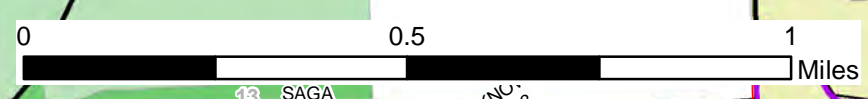
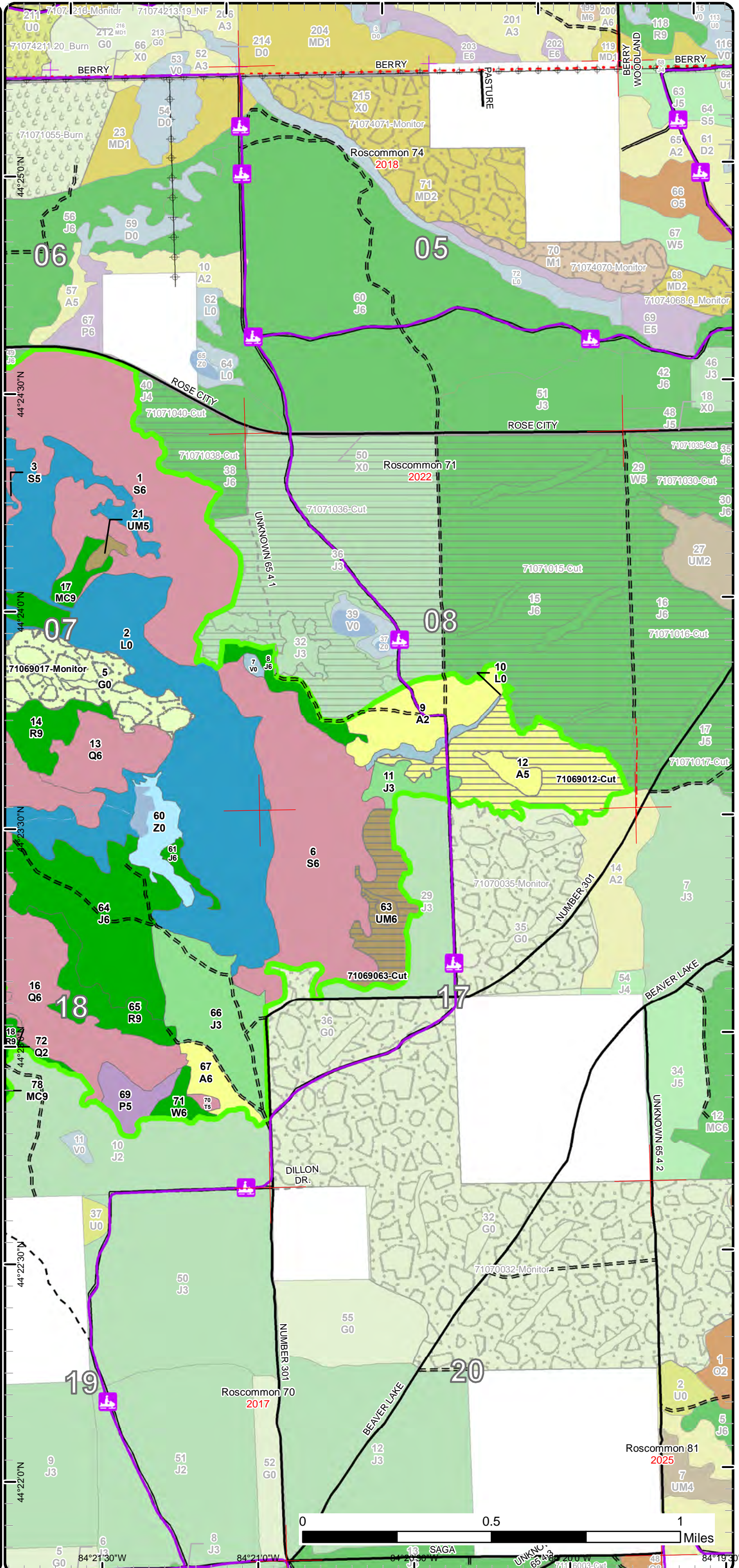
7 Y0 84°22'30"W 84°22'0"W 84°21'30"W 84°21'0"W 84°20'30"W

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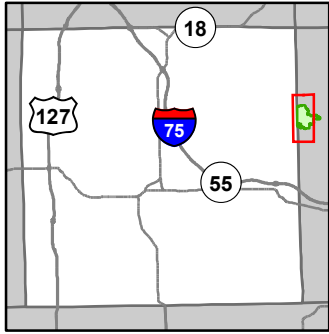
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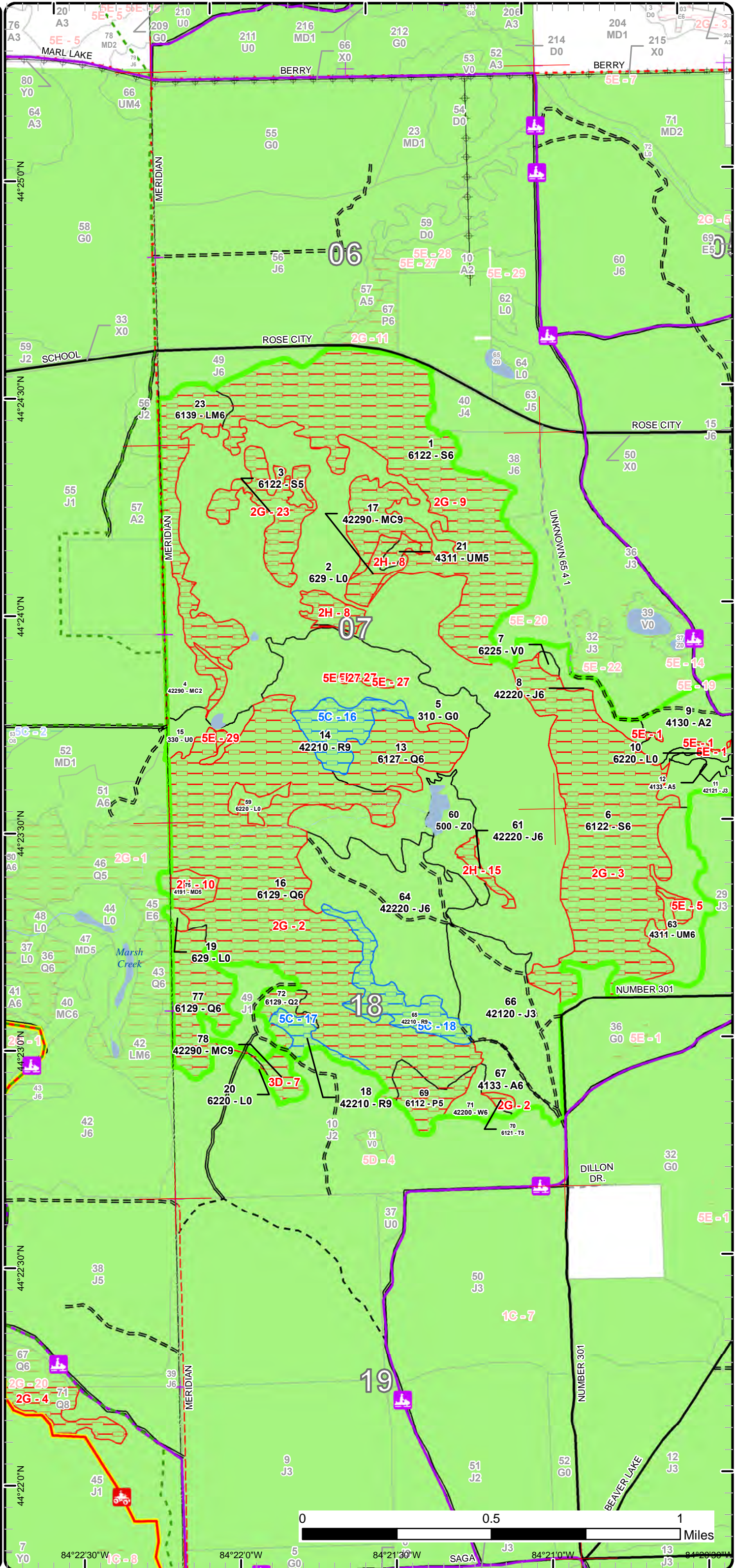


# Special Conservation Areas

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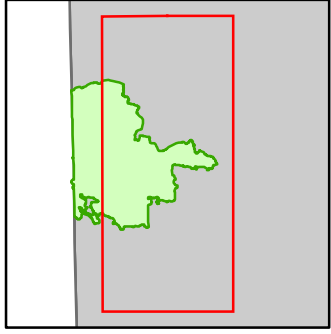
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- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3D: Recreational / Scenic values
- 5E: Long-Term Retention
- Stand Boundaries
- Kirtland Warbler Habitat



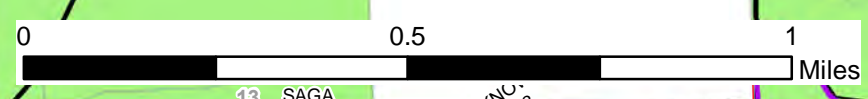
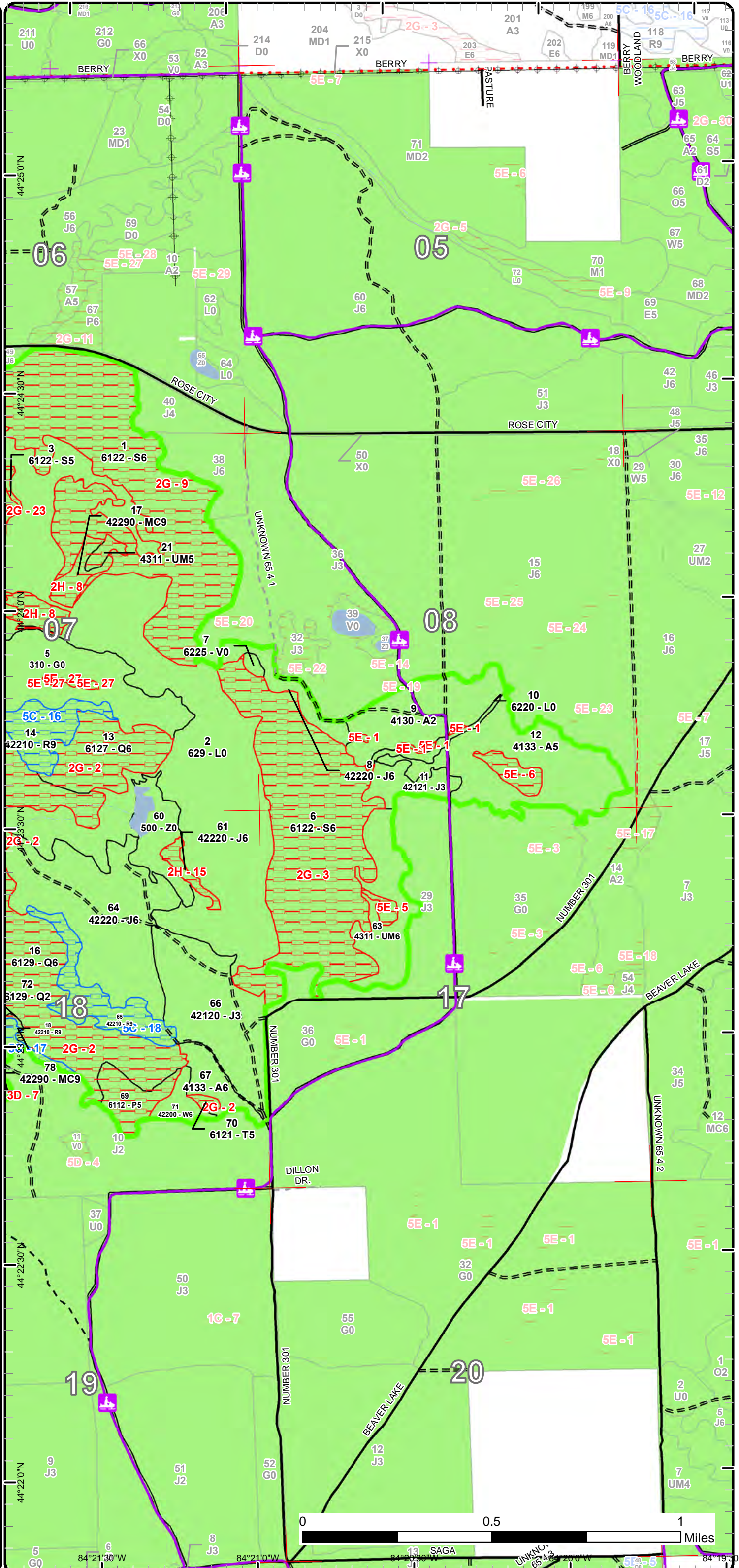


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Report 1 – Total Acres by Cover Type and Age Class



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	37	0	0	0	0	62	12	0	0	0	0	0	0	0	0	0	0	110
Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Herbaceous Openland	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Jack Pine	0	0	64	0	0	4	86	0	0	0	0	0	0	0	0	0	0	0	154
Low-Density Trees	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	13
Lowland Conifers	0	0	0	0	0	37	0	0	0	0	0	30	194	0	0	0	0	0	261
Lowland Mixed Forest	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Lowland Shrub	325	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	325
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	127	193	0	0	0	0	0	0	320
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	8
Natural Mixed Pines	0	0	18	0	0	0	0	0	15	0	0	0	0	0	0	0	0	7	40
Red Pine	0	0	0	0	0	0	0	0	0	22	25	0	0	0	0	0	0	0	47
Tamarack	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Upland Mixed Forest	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	31	34
Water	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
<b>Total</b>	<b>406</b>	<b>37</b>	<b>82</b>	<b>0</b>	<b>41</b>	<b>42</b>	<b>148</b>	<b>28</b>	<b>23</b>	<b>22</b>	<b>152</b>	<b>223</b>	<b>194</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>45</b>	<b>1442</b>



## Report 2 – Treatment Summary

Roscommon Mgt. Unit  
Year of Entry: 2024

Acres of Harvest

Compartment 69  
Total Compartment Acres: 1,439

Commercial Harvest - 84  
Harvests with Site Condition - 0  
Next Step Harvest - 0  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	56	0	0	0	0	0	0	0	0	56
Upland Mixed Forest	28	0	0	0	0	0	0	0	0	28
<b>Total</b>	<b>84</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>84</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	84	0	0	0	0	0	61	0	0	144
Next Step	0	0	0	0	0	0	84	0	0	84
<b>Total</b>	<b>84</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>144</b>	<b>0</b>	<b>0</b>	<b>228</b>



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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**Approved Treatments:**

12	71069012-Cut	55.7	4133 - Aspen, Mixed Pine	Poletimber Medium	57		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees 2" DBH and larger. Exclude the wet area in the middle of the stand as retention. Leave all jack pine tops scattered for a seed source. Leave all supercanopy white and red pine in the far east part of the stand. Include drumming log and snowmobile trail protection specs.</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</u> Aspen with red maple and jack pine.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p>Proposed Start Date: 10/1 /2027</p>											
15	71069015-Monitor	9.6	330 - Low-Density Trees	Nonstocked	0		Monitoring	Natural Regen (Re-Inventory)	4122 - Oak, Pine	Two-Aged	No
<p><u>Prescription</u> Check natural regen</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mixture of pine and oak</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p>Proposed Start Date: 10/1 /2031</p>											
5	71069017-Monitor	50.9	310 - Herbaceous Openland	Nonstocked	0		Monitoring	Natural Regen (Re-Inventory)	42221 - Natural Jack Pine, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Check for natural regen</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mix of pine and oak.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p>Proposed Start Date: 10/1 /2031</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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63	71069063-Cut	28.2	4311 - Pine, Aspen Mix	Poletimber Well	60	51-80	Harvest	Clearcut with Retention	4132 - Aspen, Jack Pine	Even-Aged	No
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Prescription Cut all trees 2 inches DBH and larger. Leave jack pine tops evenly scattered to promote jack pine regeneration. Leave low inoperable areas as retention. Include drumming log specs and leave brush piles along lowland edge.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Aspen with jack pine and red maple.

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

**Total Treatment Acreage Proposed: 144.4**

## Report 4 – Site Conditions

Roscommon Mgt. Unit  
 Brian Martell : Examiner

Compartment: 69  
 Year of Entry: 2024

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions				
		With Condition	Not Available		5C	2G	2H	3D	5E
110	104	0	6	Aspen					6
2	2	0	0	Bog					
52	51	0	1	Herbaceous Openland					1
154	149	0	4	Jack Pine			4		0
10	10	0	0	Low-Density Trees					
13	0	0	13	Lowland Aspen/Balsam Poplar		13			
261	0	0	261	Lowland Conifers		260			1
41	0	0	41	Lowland Mixed Forest		41			
325	323	0	2	Lowland Shrub		0	0	0	1
319	0	0	319	Lowland Spruce/Fir		319			
8	0	0	8	Mixed Upland Deciduous		1	7		
40	18	0	22	Natural Mixed Pines			15	7	
47	0	47	0	Red Pine	47				
1	0	0	1	Tamarack		1			
33	28	0	5	Upland Mixed Forest			3		2
17	17	0	0	Water					
7	7	0	0	White Pine					
1,439	709	47	683	Total Forested Acres	47	636	28	7	12
	49%	3%	47%	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	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	275	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Roscommon Mgt. Unit  
 Brian Martell : Examiner

Compartment: 69  
 Year of Entry: 2024

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	127	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	6	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3D: Recreational / Scenic values	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

## Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 69

Brian Martell : Examiner

Year of Entry: 2024

9	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	209	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand was just thinned.							
17	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand was just thinned.							



**Report 4 – Site Conditions**

Roscommon Mgt. Unit  
 Brian Martell : Examiner

Compartment: 69  
 Year of Entry: 2024

18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand was just thinned.							
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	25	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
27	Unavailable	5E: Long-Term Retention	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
29	Unavailable	5E: Long-Term Retention	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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**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
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<b>1</b>	6122 - Black Spruce	Poletimber Well	167.9	102	111-140	N/A				
<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>
Paper Birch		1	Pole/Log	8		Black Spruce		Medium	Variable	Sapling
Northern White Cedar		5	Log/Pole	10		Red Maple		Medium	Variable	Sapling
White Pine		10	Pole/Log	9		Balsam Fir		Low	5 - 10 feet	Sapling
Red Pine		1	Log/XLog	16		Tag Alder		Low	5 - 10 feet	Tall Shrub
Jack Pine		1	Log/Pole	10						
White Pine		1	XLog	30						
Red Maple		10	Pole/Log/Sap	8						
Black Spruce		71	Pole/Log	8	102					

<b>2</b>	629 - Mixed non-forested wetland	Nonstocked	312.2	0	Immature	No	
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<b>3</b>	6122 - Black Spruce	Poletimber Medium	24.6	102	81-110	N/A				
<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>
Black Spruce		68	Log/Pole	10	102	Tag Alder		High	5 - 10 feet	Tall Shrub
Red Maple		7	Pole/Log	9		Red Maple		Low	10 - 20 feet	Sapling
Northern White Cedar		23	Log/Pole	10		Balsam Fir		Low	5 - 10 feet	Sapling
White Pine		2	Pole	8		Black Spruce		High	10 - 20 feet	Sapling

<b>4</b>	42290 - Natural Mixed Pine	Sapling Medium	18.1	12	Immature	N/A	Jack pine stand harvested in 2010. Some red and white pine left during harvest. Natural jack pine, oak, and red maple have regenerated nicely.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>					
Pin Cherry		5	Sapling	2						
Black/Red (Hybrid) Oak		1	Log	16						
Red Maple		7	Sapling	3						
Jack Pine		50	Sapling	2	12					
Black/Red (Hybrid) Oak		8	Sapling	1						
White Pine		10	Log/Pole	10						
Red Pine		19	Log/Pole	13	76					

<b>5</b>	310 - Herbaceous Openland	Nonstocked	52.3	0		4319 - Mixed Upland Forest	Some red maple stump sprouts are trying to make their way, but are getting heavily browsed and are not above 3' yet. Re-evaluate regeneration next inventory cycle.
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																														
6	6122 - Black Spruce	Poletimber Well	126.7	90	111-140	N/A	Cedar is mostly on the west side. Finger of jack pine comes through the center from the stand to the east. Some of the jack pine finger might be operable.																																																														
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7	6225 - Bog	Nonstocked	1.5			No	Leatherleaf bog with some lowland conifers around the perimeter.																																																														
8	42220 - Natural Jack Pine	Poletimber Well	11.9	57	81-110	N/A	Narrow strip of jack pine between a KW planting and lowland. This stand slopes downward into the low ground. As stand goes southerly, there is more spruce.																																																														
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9	4130 - Aspen	Sapling Medium	36.5	2	Immature	N/A	Cut fall 2020 as a part of Tacoma Mix.																																																														
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10	6220 - Alder/willow	Nonstocked	5.1			No	Tag alder drainage.																																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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11	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	11.5	10	Immature	N/A	Stand was final harvest in 2010. Planted back to jack pine 2012.
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Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	80	Sapling	2	10
Quaking Aspen	13	Sapling	2	12
Pin Cherry	7	Sapling	2	12

12	4133 - Aspen, Mixed Pine	Poletimber Medium	62.2	57		N/A	This was a part of the stand across the drainage to the NW. It was split off to stagger the aspen age class treatments plus eliminate a green-up issue for a KW cut within this compartment and the compartment to the south. There is a sizable wet area in the middle of the stand that encompasses most of the jack pine and should be excluded from any harvests.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	7	Log/Pole	10		Red Maple	Low	Variable	Sapling
Jack Pine	15	Pole/Log	9		White Pine	Low	Variable	Sapling
Black Spruce	1	Pole	7		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple	5	Pole/Log/Sap	7		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Red Pine	3	Log/Pole/XLog	10		Quaking Aspen	Low	Variable	Sapling
Quaking Aspen	69	Pole/Log/Sap	8	57	Pin Cherry	Medium	Variable	Sapling

13	6127 - Lowland Pine	Poletimber Well	29.7	46	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	XLog	24		Red Maple	Medium	>20 feet	Sapling
White Pine	75	Pole/Sap/Log	7	46	White Pine	Low	Variable	Sapling
Black Spruce	10	Pole/Log	8					
Red Maple	5	Pole/Sapling	5					
Red Pine	5	Log/Pole	10					

14	42210 - Natural Red Pine	Sawtimber Well	18.0	92	81-110	N/A	Thinned spring 2020 as a part of "RGF Harvest"
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	97	Log/XLog/Pole	14	92	Pin Cherry	Low	< 5 feet	Sapling
White Pine	3	Log/Pole/XLog	12		White Pine	Low	Variable	Sapling
					Red Maple	Low	Variable	Sapling
					Black Spruce	Low	Variable	Sapling

15	330 - Low-Density Trees	Nonstocked	9.9	0	4319 - Mixed Upland Forest		Cut fall/winter 2019/2020. regeneration is getting heavily browsed so does not make the 3 ft. tall mark.
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Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low	>20 feet	Log



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																													
16	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	194.3	112	111-140	N/A	Lowland mixed conifer with a couple small islands of large white and red pine. A couple small creeks run through the stand.																																																													
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20	6220 - Alder/willow	Nonstocked	1.0	0		No	Tag alder drainage.																																																													
21	4311 - Pine, Aspen Mix	Poletimber Medium	2.7	65	51-80	N/A	Open grown uplands pocket.																																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>23</b>	6139 - Mixed Lowland Forest	Poletimber Well	40.6	35	1-50	N/A	Sapling red maple mixed with aspen and jackpine pole timber throughout. Also pockets of all red pine and white pine logs/poles.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size	
Jack Pine					20	Pole	7		Jack Pine					Low	10 - 20 feet	Tall Shrub
Red Pine					10	Log/XLog/Pole	14		Jack Pine					Trace	Variable	Sapling
Red Maple					30	Sapling/Pole	3	35	White Pine					Low	Variable	Sapling
White Pine					10	Log/Pole	13									
Black Spruce					5	Pole	7									
Quaking Aspen					25	Pole/Sapling	6									

<b>59</b>	6220 - Alder/willow	Nonstocked	4.7	0	Immature	No	
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<b>60</b>	500 - Water	Nonstocked	17.3			No	
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<b>61</b>	42220 - Natural Jack Pine	Poletimber Well	4.0	47	81-110	N/A	High finger ridge in the middle of a wet marsh.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	5	Log/Pole	10	86
Jack Pine	90	Pole/Log/Sap	7	47
White Pine	5	Log/Pole	12	

<b>63</b>	4311 - Pine, Aspen Mix	Poletimber Well	30.7	60	51-80	N/A	Low areas are black spruce with tag alder. Upland areas are poor quality quaking aspen and jack pine.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size	
Quaking Aspen					45	Pole/Log	8		Jack Pine					Low	5 - 10 feet	Sapling
Red Maple					2	Log/Pole	12		Tag Alder					Low	5 - 10 feet	Tall Shrub
Pin Cherry					3	Pole/Sapling	7		White Pine					Low	< 5 feet	Sapling
Black Spruce					5	Pole/Log	9	97	Black Spruce					Low	Variable	Sapling
Jack Pine					45	Pole/Log	8	60								

<b>64</b>	42220 - Natural Jack Pine	Poletimber Well	74.2	57	81-110	N/A	The northern half contains saw class red pine, oak, and white pine. Some of the jack pine is saw too. The southern half mainly is all jack pine and is the pole/sapling size. Only jack pine regen. is in the mid-canopy. The understory regeneration is white pine or balsam fir. Contains small scattered vernal ponds.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size	
Red Pine					10	Log/Pole	12		Balsam Fir					Low	Variable	Sapling
White Pine					22	Pole/Log/XLog	9		White Pine					Low	Variable	Sapling
Black/Red (Hybrid) Oak					2	Log	14									
White Oak					1	Log	14									
Jack Pine					64	Pole/Sap/Log	7	57								
Black Spruce					1	Pole/Log	8									





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
<b>65</b>	42210 - Natural Red Pine	Sawtimber Well	21.6	86	81-110	N/A	Cut in spring 2020 as a part of RGF Harvest, 71-027-18																																										
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<b>66</b>	42120 - Planted Jack Pine	Sapling Well	52.1	16	Immature	N/A	Seeded in 2002 and failed. Was planted with seedlings in 2007. Several scattered pockets of aspen regeneration intermixed.																																										
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<b>67</b>	4133 - Aspen, Mixed Pine	Poletimber Well	11.5	63	81-110	N/A	SE finger gets a little low with some tag alder in the understory.																																										
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<b>69</b>	6112 - Lowland Aspen	Poletimber Medium	12.7	62	51-80	N/A	Lowland aspen stand with heavy tag alder understory. Would not be feasible to operate in.																																										
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White Pine	Low	Variable	Sapling																																														
<b>70</b>	6121 - Tamarack	Poletimber Medium	1.4	47	51-80	N/A																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**71** 42200 - Natural White Pine Poletimber Well 6.7 56 141-170 N/A Mixed aged white and red pine with super-canopy trees.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	65	Pole/Log/XLog	9	56	White Pine	Low	Variable	Sapling
Quaking Aspen	8	Pole	7		Black Spruce	Low	Variable	Sapling
Black Spruce	2	Pole	7					
Red Pine	25	XLog/Log/Pole	20					

**72** 6129 - Mixed Coniferous Lowland Forest Sapling Medium 6.9 40 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	40	Sapling/Pole	3	40	Willow spp.	High	5 - 10 feet	Sapling
Tamarack	40	Sapling/Pole	3	35	Leatherleaf	Full	< 5 feet	Tall Shrub
Black Spruce	20	Sapling/Pole	3					

**75** 4191 - Mixed Upland Deciduous with Conifer Poletimber Medium 7.8 77 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Log/Pole	10	77	Balsam Fir	High	>20 feet	Sapling
Balsam Fir	19	Pole	7		Red Maple	Low	>20 feet	Sapling
Black Spruce	1	Pole	8		Tag Alder	Low	10 - 20 feet	Tall Shrub
White Pine	19	Log/Pole	11					
Quaking Aspen	10	Pole/Log	9					
Paper Birch	10	Log	12					
Red Pine	1	Log/XLog	16					

**77** 6129 - Mixed Coniferous Lowland Forest Poletimber Well 30.1 102 141-170 N/A Most of the stand is dominated by spruce or cedar lowlands. There are some higher ridges where the pine and some red maple is concentrated.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	3	Pole	7		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Red Pine	10	Log/Pole/XLog	12		Balsam Fir	Low	5 - 10 feet	Sapling
White Pine	5	XLog	25		Red Maple	Low	Variable	Sapling
Northern White Cedar	25	Log/Pole	10		Black Spruce	High	Variable	Sapling
Red Maple	8	Pole/Log	8					
White Pine	10	Pole/Log	8					
Paper Birch	1	Pole	7					
Black Spruce	38	Pole/Log	9	102				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**78**      42290 - Natural Mixed Pine      Sawtimber Well      7.0      112      141-170      N/A

Dense 2 inch white pine understory regeneration under a white and some red pine super canopy. Low depressions throughout with mostly maple, aspen, and tag alder.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	1	Pole/Log	8		White Pine	High	>20 feet	Sapling
White Pine	40	XLog/Log	18	112	Tag Alder	Low	10 - 20 feet	Tall Shrub
Red Maple	12	Pole/Log/Sap	7					
Quaking Aspen	10	Pole	7					
Black Spruce	2	Pole	8					
Red Pine	35	XLog	18					