



# Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71039

Entry Year 2023

Acreage: 2,879

County Roscommon

Management Area: Houghton Lake Wetlands

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**Stand Examiner:** Jason Lewicki

## Legal Description:

T23N, R02W Sections 27, 34, 35 and 36.

## Identified Planning Goals:

Vegetation management in the Houghton Lake Wetlands management area will provide forest products; maintain or enhance wildlife habitat; protect areas of unique threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year planning period will focus on balancing the aspen age-class distribution. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation opportunity. Expected trends within the next decade are the need to continue to balance aspen age-class distributions, an expected increase in recreation pressure and invasive species encroachment.

## Soil and topography:

The upland areas within this compartment are primarily made up of Klacking, Croswell and Perecheney sands. The Lowlands consist of Tawas-Lupton, Kinross-AuGrey-Croswell and Tawas -Leafriver mucks. The topography of this compartment is very flat and is primarily made up of forested lowlands.

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

The area is a mix of private and State Land. The areas to the north and west are primarily under State of Michigan ownership while areas to the east are mostly private in and around the town of St. Helen.

## Unique Natural Features:

No Unique Natural Features known.

## Archeological, Historical, and Cultural Features:

None known

## Special Management Designations or Considerations:

None known

## Watershed and Fisheries Considerations:

## Wildlife Habitat Considerations:

This compartment is located SW of Lake St. Helen and is bordered by I-75 on its west side. Much of the compartment is low and wet with conifer stands, wet grasslands, and bogs with scattered aspen stands on the higher locations. Russell Lake Road bisects the compartment. The compartment is important to deer, turkey, grouse and woodcock. Black bear and snowshoe hare also frequent the compartment, especially in association with the lowland areas of the compartment. This compartment sees heavy pressure for hunting. Management considerations include treatments that will promote hard and soft mast production for wildlife including retention of large crown mast producing trees when possible. Early successional species such as aspen should be managed to ensure young stands are always available for grouse and woodcock. To promote snowshoe hare and other small mammals, brush piles will be constructed in association with timber harvests along lowland edges. Aspen stands will be managed to promote young forests for early successional wildlife species. Whenever possible, aspen harvests will include drumming logs to enhance breeding habitat for ruffed grouse. Currently there are no managed wildlife openings within the compartment, although the edge of Rosco St. Helen Field 20 does touch the NE boundary of this compartment.

## Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial metallic mineral production in this part of the state. The State-owned St. Helen/Carter sand and gravel pit is just north of the compartment. The pit is currently leased to Rieth-Riley. Rieth-Riley has indicated there is little usable material remaining in the at pit. The compartment consists of mostly low and wet areas, and

sand and gravel development potential may be limited. There has been little oil and gas exploration in this area, and the nearest production, past or present is several miles away. There is currently no mineral leasing activity in the compartment, and oil and gas potential is considered low at this time.

**Vehicle Access:**

Vehicle access is somewhat limited due to large wetland areas. Russell Lake Rd, a gravel county road runs through the compartment.

**Survey Needs:**

**Recreational Facilities and Opportunities:**

Designated Denton Creek 50" ORV trail occurs in the NE corner of Section 27. The proximity with private land owners attracts dispersed hunting, and wildlife viewing.

**Fire Protection:**

Low occurrence of fire history in this compartment. A good portion of this compartment is lowland and the high ground is mostly low hazard fuels.

**Additional Compartment Information:**

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

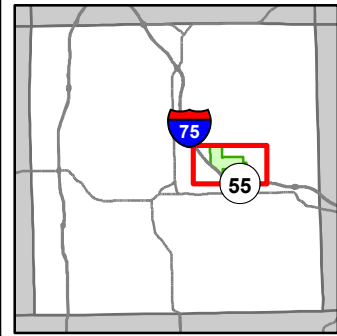
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

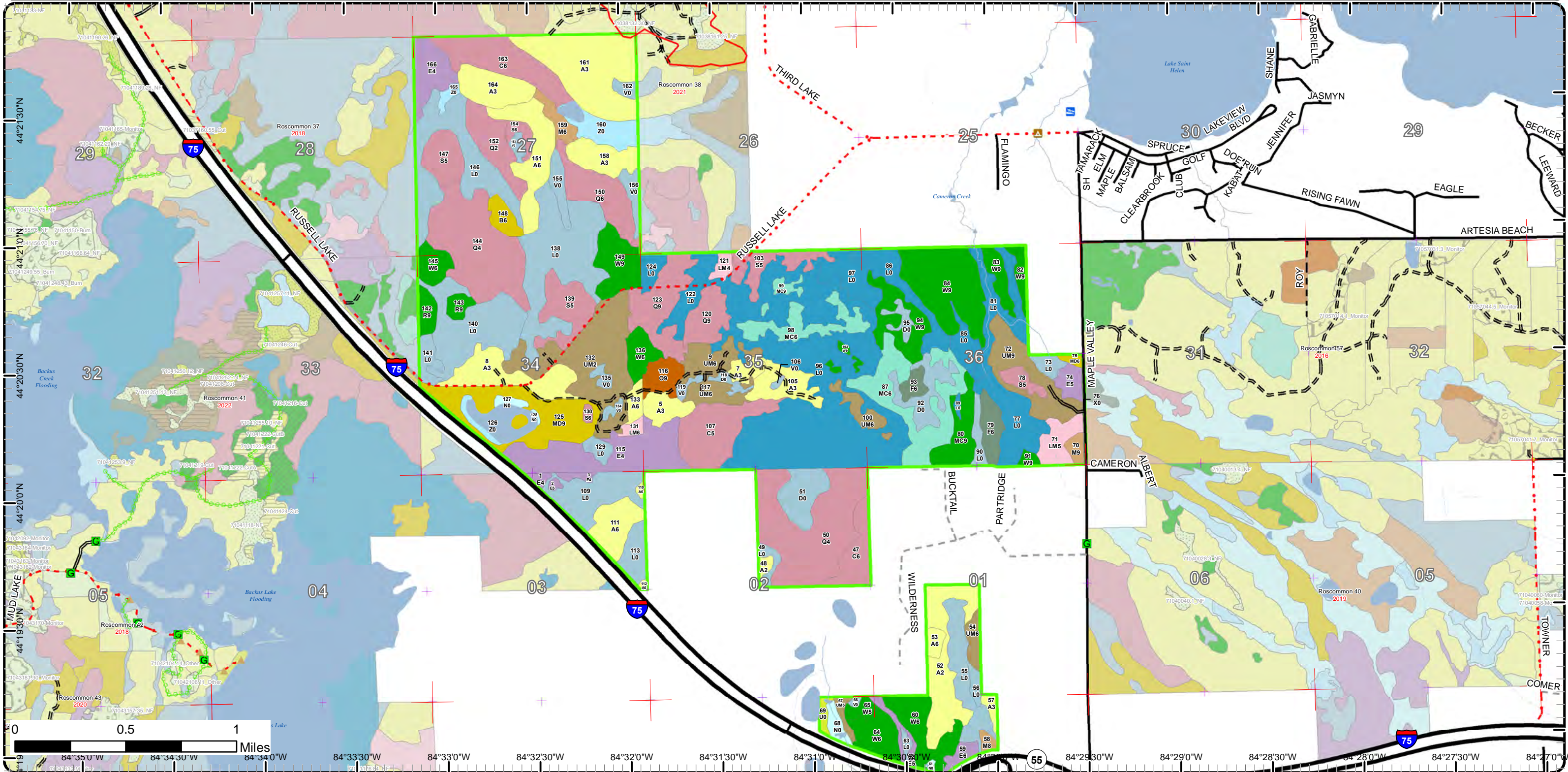
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 39  
 T23N, R02W, Sec. 27, 34-36,  
 T22N, R02W, Sec. 01-03, 11-12  
 County: Roscommon  
 Unit: Roscommon  
 Mgmt Area: Houghton Lake  
 Wetlands  
 YOE: 2023  
 Acres: 2879.3 GIS Calculated  
 Examiner: Jason Lewicki  
 Map Revised: 4/11/2022  
 Map Phase: Post-Review

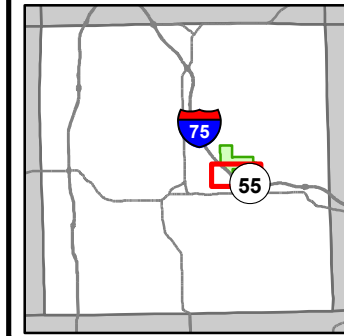


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Designated Hunter Walking Trails
- Designated ATV
- Berms
- Gate
- Boating Access Site
- Campground
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
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- 422 - Natural Pines
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- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland

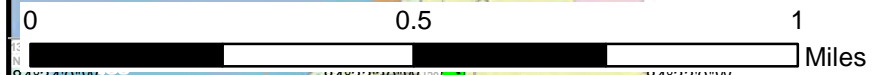
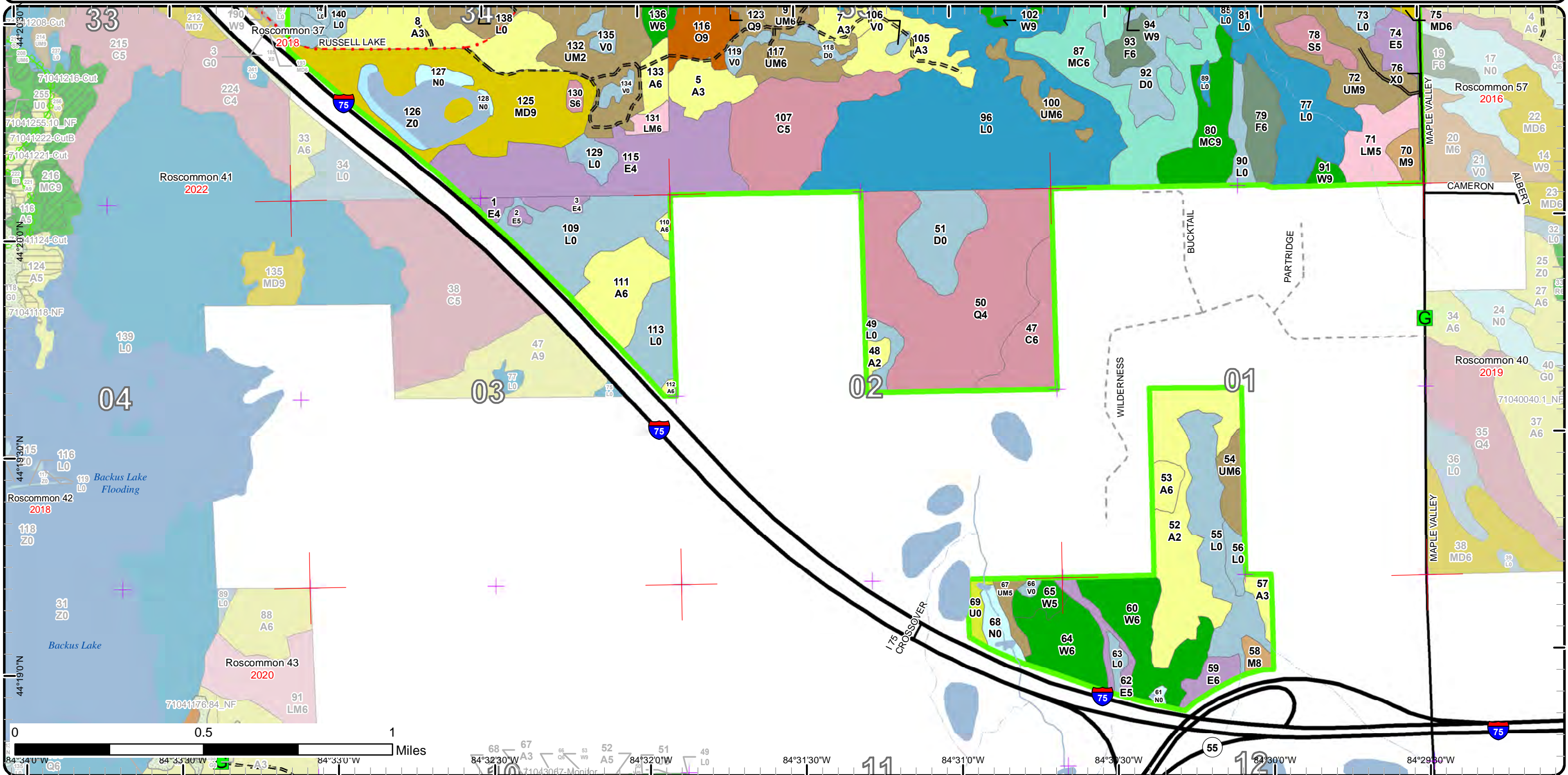


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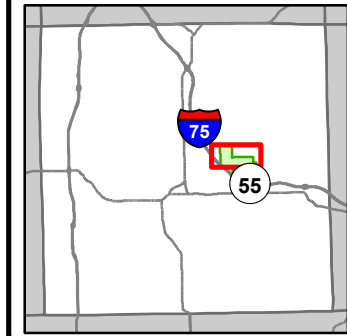
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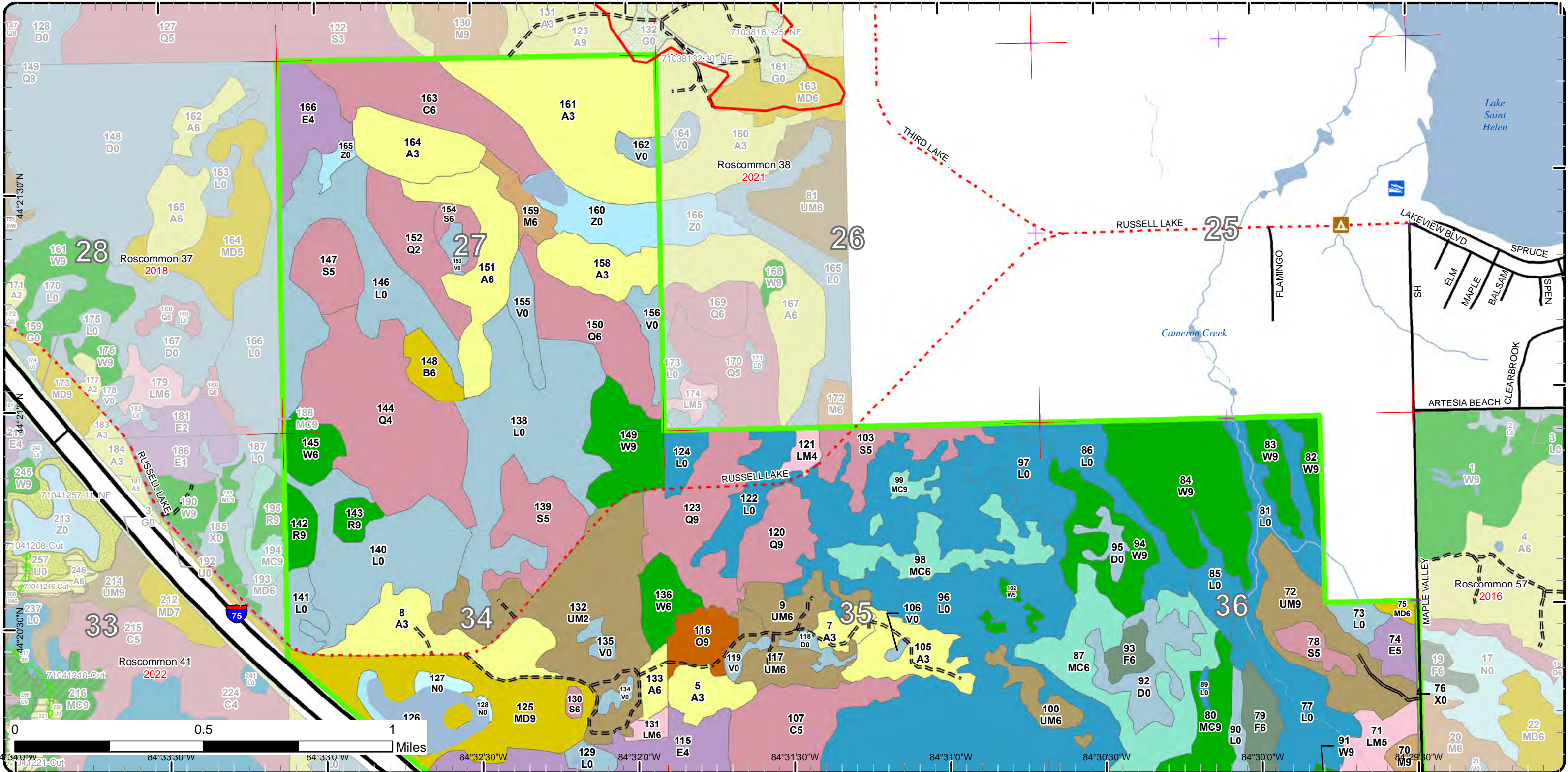
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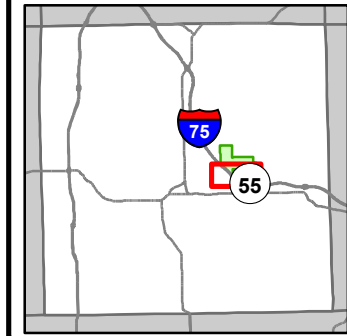


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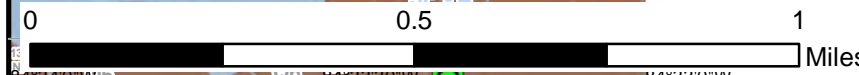
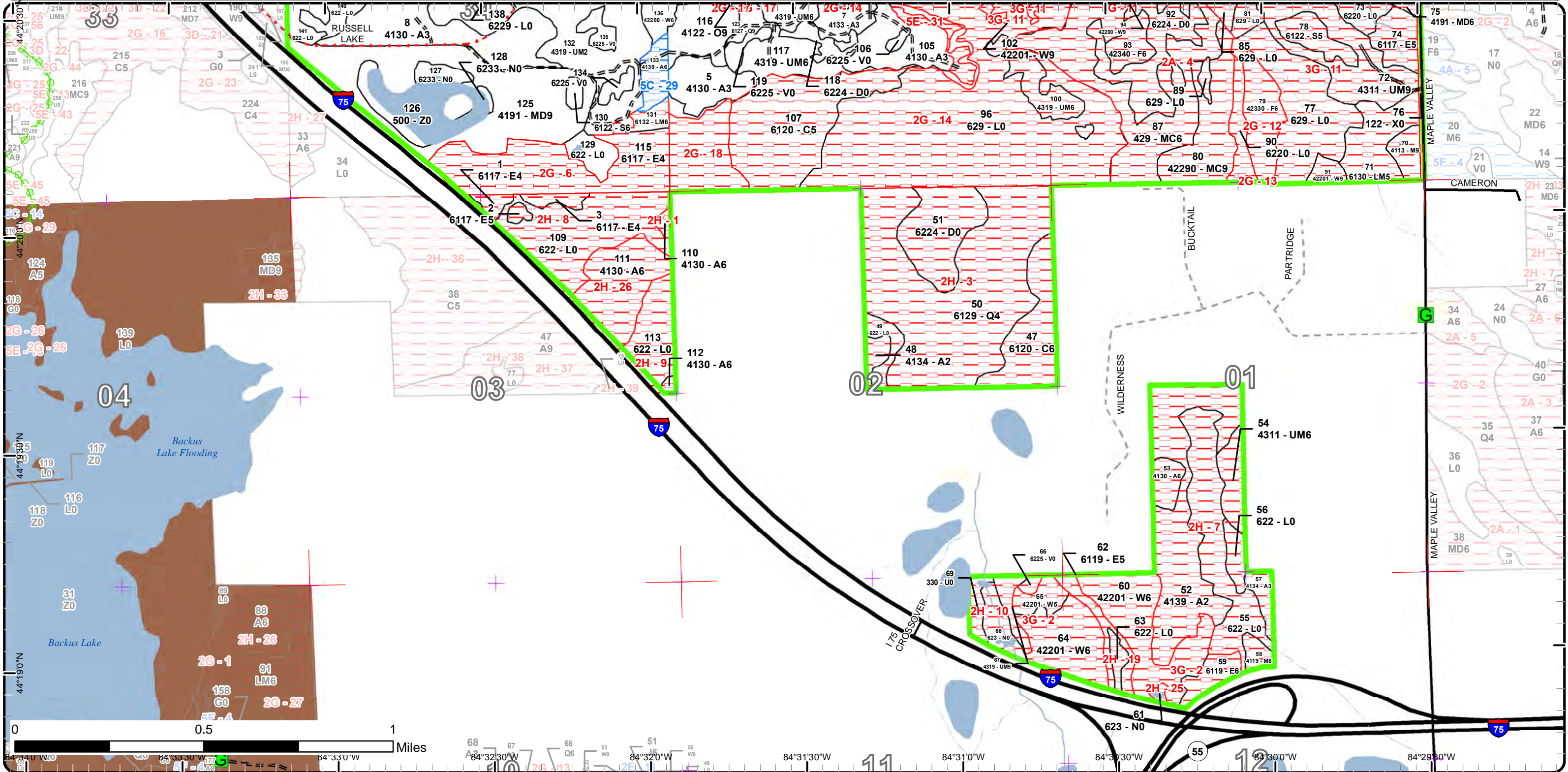


# Special Conservation Areas

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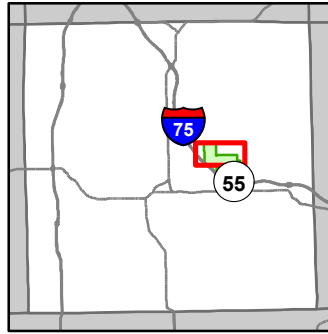
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- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3G: Other Influence zones - See comments
- 5E: Long-Term Retention
- Stand Boundaries
- Wildlife Management Areas



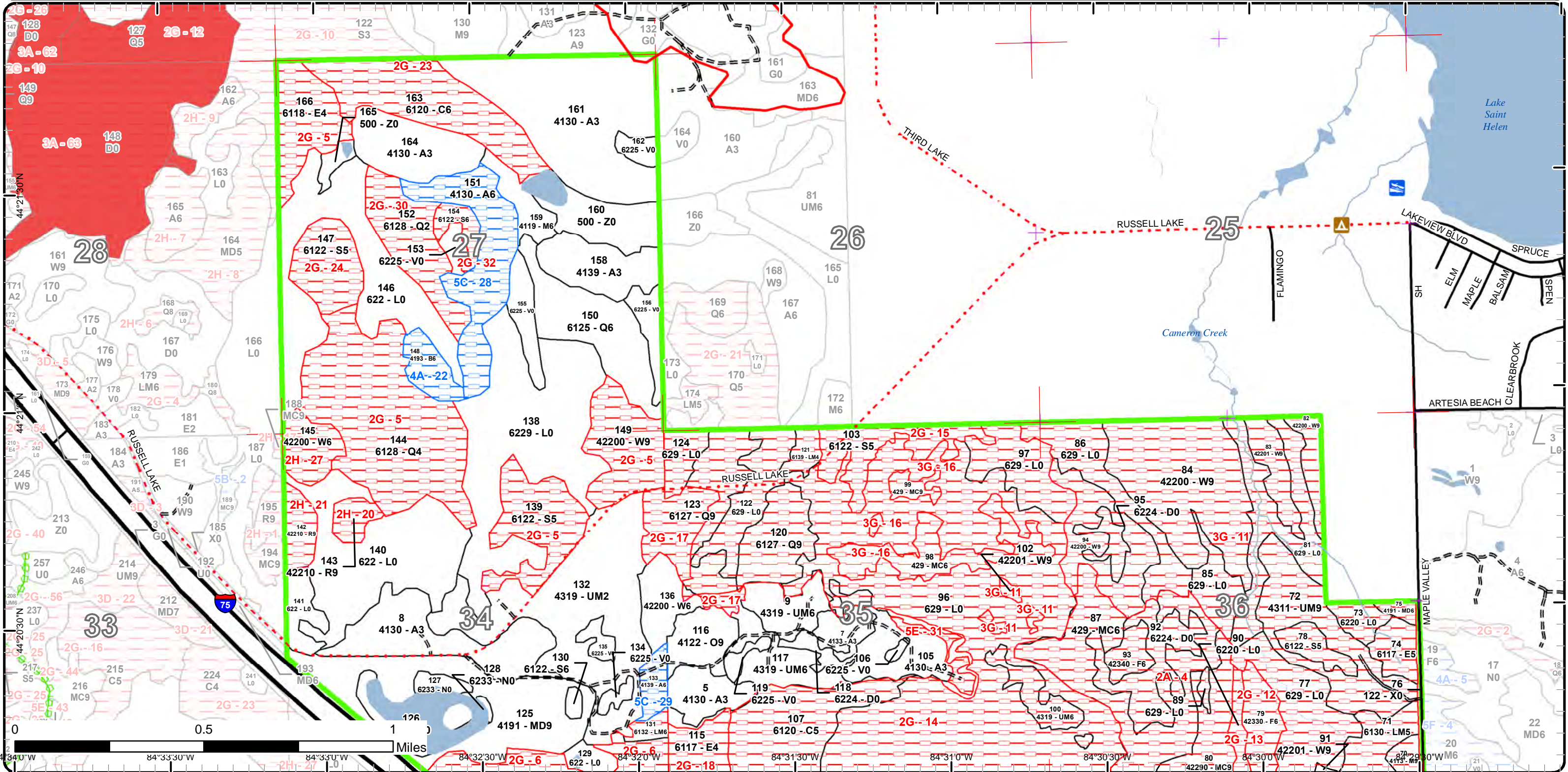
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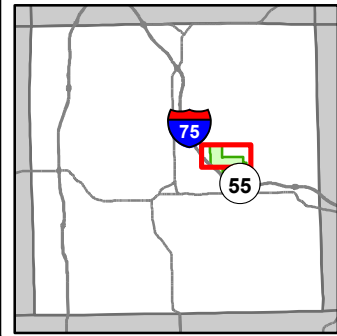
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- 4A: No Markets Available for these Forest Products
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- Stand Boundaries
- Ecological Reference Areas
- 3G: Other Influence zones - See comments
- 5E: Long-Term Retention

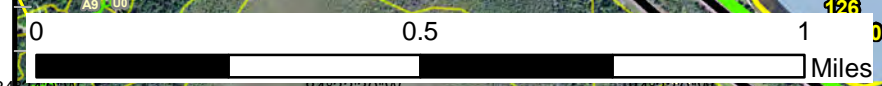
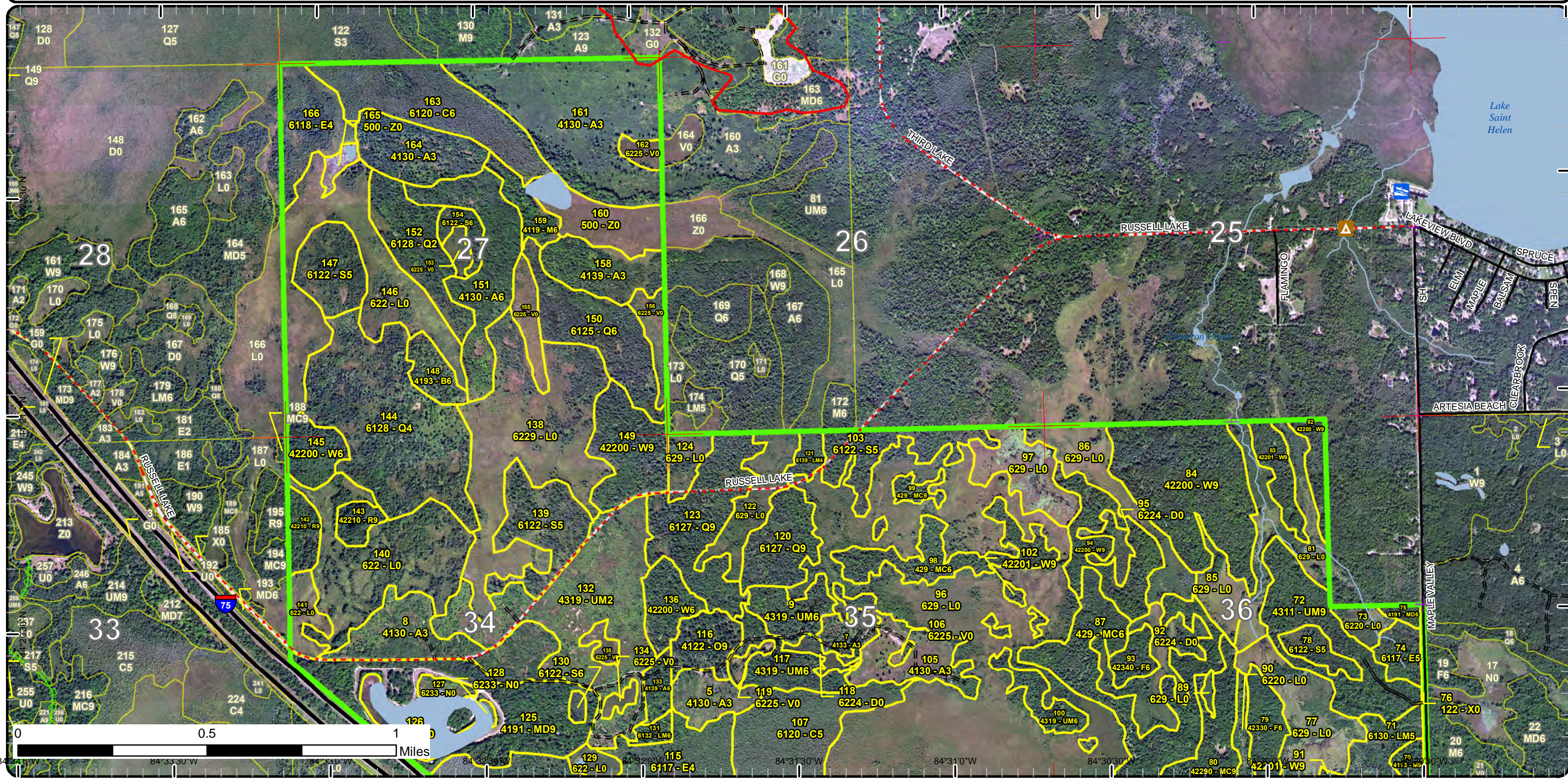


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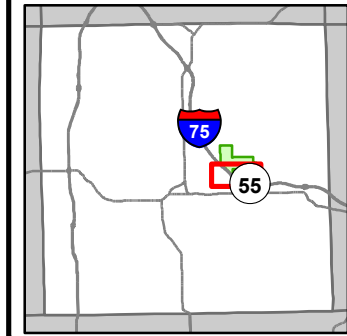


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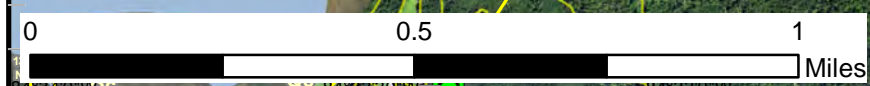
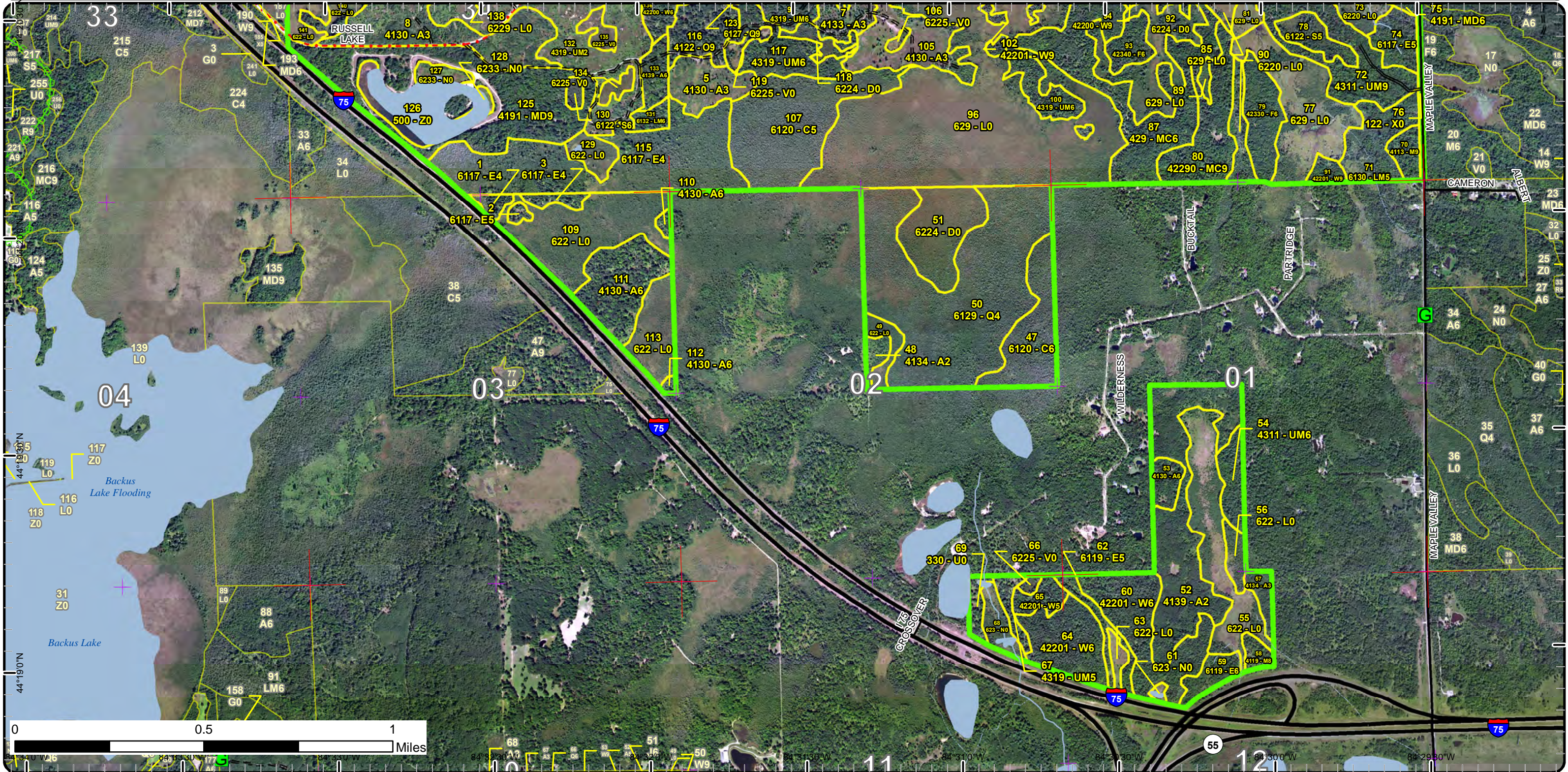


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# Report 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit  
Jason Lewicki : Examiner

Compartment 39    Year of Entry 2023



## Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	49	131	117	0	0	57	0	0	0	28	1	0	0	0	0	0	0	383
Bog	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
Cedar	0	0	0	0	0	0	0	0	52	0	0	0	26	52	0	0	0	0	130
Low-Density Trees	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Conifers	0	0	0	0	0	0	128	39	0	0	47	25	110	0	0	0	0	0	349
Lowland Deciduous	0	0	0	0	0	0	8	101	10	8	7	0	0	0	0	0	0	0	134
Lowland Mixed Forest	0	0	0	0	6	0	0	4	19	0	0	0	0	0	0	0	0	0	29
Lowland Shrub	828	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	828
Lowland Spruce/Fir	0	0	0	0	0	0	23	39	9	2	0	25	0	0	0	0	0	0	98
Marsh	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	75	0	0	0	0	0	0	0	0	0	75
Natural Mixed Pines	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	27
Northern Hardwood	0	0	0	0	0	0	11	0	6	0	4	0	0	0	0	0	0	0	21
Oak	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	16
Paper Birch	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	11
Red Pine	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	18
Treed Bog	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63
Upland Conifers	0	0	0	0	0	0	0	0	94	0	0	0	0	0	0	0	6	0	100
Upland Mixed Forest	0	0	92	0	40	0	27	0	44	0	0	0	0	0	0	0	0	0	203
Upland Spruce/Fir	0	0	0	0	16	0	8	0	0	0	0	0	0	0	0	0	0	0	24
Urban	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Water	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
White Pine	0	0	0	0	0	0	78	31	98	0	48	0	0	0	0	0	4	0	259
<b>Total</b>	<b>1005</b>	<b>49</b>	<b>223</b>	<b>117</b>	<b>62</b>	<b>0</b>	<b>340</b>	<b>241</b>	<b>407</b>	<b>10</b>	<b>163</b>	<b>51</b>	<b>152</b>	<b>52</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>2879</b>



## Report 2 – Treatment Summary

**Roscommon Mgt. Unit**  
**Year of Entry: 2023**

### Acres of Harvest

**Compartment 39**  
**Total Compartment Acres: 2,879**

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

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Mgt. Unit

Report 3 -- Treatments

Compartment:

Year of Entry:



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

Total Treatment  
Acreage Proposed: 0

## Report 4 – Site Conditions

Roscommon Mgt. Unit  
Jason Lewicki : Examiner

Compartment: 39  
Year of Entry: 2023

### Availability for Management

Total Acres	Acres Available	Acres Avail With Condition		Acres Not Available	Dominant Site Conditions							
					4A	5C	2A	2G	2H	3G	5E	
384	229	<b>51</b>		104	Aspen	0	51		0	98	0	5
42	41	0		1	Bog					1	0	
129	1	0		129	Cedar				103	26		
4	0	0		4	Low-Density Trees					4		
350	39	0		310	Lowland Conifers				200	110		
134	2	0		132	Lowland Deciduous				99	16	18	
29	0	0		29	Lowland Mixed Forest				10		19	
828	261	0		567	Lowland Shrub	0		2	334	108	124	
98	2	0		96	Lowland Spruce/Fir				87		9	
15	7	0		9	Marsh					9	0	
75	72	0		3	Mixed Upland Deciduous						3	
27	0	0		27	Natural Mixed Pines			27	0			
20	11	0		9	Northern Hardwood					4	6	
16	16	0		0	Oak							
11	0	11		0	Paper Birch	11						
18	0	0		17	Red Pine					17		
63	4	0		59	Treed Bog			26		26	7	
100	0	0		100	Upland Conifers			64	0		36	
203	129	0		74	Upland Mixed Forest				16	14	44	
24	0	0		24	Upland Spruce/Fir			8	16			
3	3	0		0	Urban							
47	47	0		0	Water							
258	15	0		242	White Pine			0	32	15	195	
2,879	879	<b>63</b>		1,937	Total Forested Acres	<b>11</b>	<b>51</b>	126	898	448	460	5
	31%	<b>2%</b>		67%	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	Dominant Site 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)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>								

## Report 4 – Site Conditions

Roscommon Mgt. Unit  
Jason Lewicki : Examiner

Compartment: 39  
Year of Entry: 2023

2	<b>Unavailable</b>	<b>3G: Other Influence zones - See comments</b>	70	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> no access due to I-75, private property, and wet terrain, SCA conservation values include scenic/visual values on I-75, dry-mesic northern all-aged forest dominated by white pine, gap creation and blowdown due to dying aspen, still too young for much vert. and horiz. structure but there are occasional X-log WP & TA trees, wetter swales are dominated by hardwoods (Oak/RM/QA) which contribute to diversity							
3	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	172	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
<b>Comments:</b> landlocked by swamp, I-75, and private property							
4	<b>Unavailable</b>	<b>2A: Adjacent landowner denied access</b>	126	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	189	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	53	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

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7	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	119	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
<b>Comments:</b> landlocked by swamp, I-75, and private property							
8	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	53	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b> landlocked by swamp, I-75, and private property							
9	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	19	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b> landlocked by swamp, I-75, and private property							
10	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	18	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
<b>Comments:</b> landlocked by swamp, I-75, and private property							
11	<b>Unavailable</b>	<b>3G: Other Influence zones - See comments</b>	354	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Large white pine with a higher water table and poor access							
12	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	16	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

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13	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	449	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	25	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Unavailable</b>	<b>3G: Other Influence zones - See comments</b>	36	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Island stand with heavy dead and down due due multiple windthrow events. Multit-aged canopy including some supercanopy white pine 150+ yrs old. Stand will eventually become white pine dominated. Some pockets of heavy birch with fir understory. The area to the east has more pine. Interior alder swales.							
17	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	23	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

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18	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	23	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	11	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> landlocked by swamp, I-75, and private property; broad/wet drainage							
20	<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>							
21	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
22	<b>Available</b>	<b>4A: No Markets Available for these Forest Products</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	52	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

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24	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	23	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
25	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	1	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b> landlocked by swamp, I-75, and private property							
26	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	29	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> stand is POG as designated in the draft old growth plan, no access due to I-75							
27	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
28	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	44	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit  
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29	<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>							
30	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	31	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
31	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
32	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
----------	--------------	-------------	----------------	-------

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
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
1	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	2.8	87	Unspecified	N/A																																														
2	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	1.6	87	Unspecified	N/A																																														
3	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	3.5	87	Unspecified	N/A																																														
5	4130 - Aspen	Sapling Well	15.4	9	Immature	N/A																																														
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Bigtooth Aspen	20	Sapling	1																																																	
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Red Maple	5	Sapling	1																																																	
Quaking Aspen	73	Sapling	1	9																																																
7	4133 - Aspen, Mixed Pine	Sapling Well	8.7	9	1-50	N/A																																														
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8	4130 - Aspen	Sapling Well	42.1	18	Immature	N/A																																														
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Red Maple	10	Sapling	1	18																																																
9	4319 - Mixed Upland Forest	Poletimber Well	19.7	38	51-80	N/A	Records indicate that there was a sale or habitat cut in 1983.																																													
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Balsam Fir	40	Pole	5																																																	
White Pine	10	Log/Pole	10																																																	
47	6120 - Lowland Cedar	Poletimber Well	25.8	119	Unspecified	N/A																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
48	4134 - Aspen, Spruce/Fir	Sapling Medium	3.6	21	Unspecified	N/A	timber trespass - cut sometime between January 2000 and December 2001																																																						
49	622 - Lowland Shrub	Nonstocked	5.6		Unspecified	No																																																							
50	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	110.3	119		N/A																																																							
51	6224 - Treed Bog	Nonstocked	26.5		Unspecified	No																																																							
52	4139 - Aspen, Mixed Deciduous	Sapling Medium	54.6	29	Unspecified	N/A	good aspen/red maple regeneration. Data is from 2009 in a previous inventory.																																																						
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53	4130 - Aspen	Poletimber Well	6.1	59	Unspecified	N/A	Data is from 2009 in a previous inventory.																																																						
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Paper Birch	10	Pole	6																																																										
54	4311 - Pine, Aspen Mix	Poletimber Well	9.4	59	81-110	N/A	nice white pine/mixed hardwood stand, trending towards all aged. Data is from 2009 and a previous inventory.																																																						
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55	622 - Lowland Shrub	Nonstocked	35.7		Unspecified	No																																																							
56	622 - Lowland Shrub	Nonstocked	5.2		Unspecified	No																																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
57	4134 - Aspen, Spruce/Fir	Sapling Well	4.8	29	Unspecified	N/A	Data is from 2009 in a previous inventory.																																						
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58	4119 - Mixed Northern Hardwoods	Sawtimber Medium	3.7	98	51-80	N/A																																							
59	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	7.4	98	Unspecified	N/A																																							
60	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	33.3	59	111-140	N/A	nice white pine stand trending towards all aged, has log & XLog WP/TA also. Data is from 2009 in a previous inventory.																																						
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61	623 - Emergent Wetland	Nonstocked	1.1		Unspecified	No																																							
62	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	7.6	59	Unspecified	N/A	wet drainage with trees																																						
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64	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	23.5	59	171-200	N/A	nice white pine stand trending towards all aged, log and Xlog WP/TA also, has a few wet HW swales which could be used for retention if treated. Data is from 2009 in a previous inventory.																																						
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<b>65</b>	42201 - Natural White Pine, Mixed Deciduous	Poletimber Medium	6.3	59	51-80	N/A	less dense than surrounding white pine stand, may have had HW's removed at some point, aspen and red maple are poor quality with aspen showing signs of hypox. canker Data is from 2009 in a previous inventory.																																																								
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<b>66</b>	6225 - Bog	Nonstocked	1.3		Unspecified	No																																																									
<b>67</b>	4319 - Mixed Upland Forest	Poletimber Medium	4.8	59	51-80	N/A	north end is more aspen, south end is more white pine, aspen is poor quality trembling aspen which has lots of hypox. canker and big tooth aspen which is doing better, white pine is doing well , lots of old white pine stumps, will probably convert to white pine if left alone																																																								
<b>68</b>	623 - Emergent Wetland	Nonstocked	7.4		Unspecified	No																																																									
<b>69</b>	330 - Low-Density Trees	Nonstocked	4.5		Unspecified	No																																																									
<b>70</b>	4113 - R.Maple, Conifer	Sawtimber Well	5.8	76	51-80	N/A																																																									
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<b>71</b>	6130 - Fir, Aspen, Maple	Poletimber Medium	19.3	76	51-80	N/A																																																									
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<b>72</b>	4311 - Pine, Aspen Mix	Sawtimber Well	44.1	79	111-140	N/A	White pine stand mixed with some aspen, maple and oak. Some large diameter white pine scattered around.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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73 6220 - Alder/willow Nonstocked 7.3 No

74 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 10.2 76 N/A Mixed lowland stand along one of the drainages to Cameron Creek headwaters. Supercanopy white pine with good white pine recruitment.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	25	Pole	6		Balsam Fir	High	Variable	Sapling
Red Maple	50	Pole	8	76	Tag Alder	Low	5 - 10 feet	Tall Shrub
Paper Birch	10	Pole/Log	9		White Pine	Medium	Variable	Sapling
White Pine	15	Log/Pole/XLog	16					

75 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 2.9 74 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	25	Pole	6	74	Red Maple	Low	Variable	Sapling
Red Maple	35	Pole/Log	7	74	Balsam Fir	High	>20 feet	Sapling
Black/Red (Hybrid) Oak	5	Log	12					
Balsam Poplar	2	Pole/Log	8					
Balsam Fir	20	Pole	7					
White Pine	8	Log/Pole	12					
Paper Birch	5	Pole/Log	7	74				

76 122 - Road/Parking Lot Nonstocked 3.1 Unspecified No

77 629 - Mixed non-forested wetland Nonstocked 39.1 No

78 6122 - Black Spruce Poletimber Medium 9.0 79 1-50 N/A Sparse canopy. Transition between treed bog and forested hummocks. Leatherleaf ground cover.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Pole	6		Black Spruce	Medium	Variable	Sapling
Red Pine	40	Log/Pole	12		White Pine	Low	Variable	Sapling
Black Spruce	50	Pole	6	79				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**79**      42330 - Upland Fir      Poletimber Well      16.4      37      51-80      N/A      Habitat cut in 1985. All cedar and hemlock left within the stand

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	5		Balsam Fir	Low	Variable	Sapling
Quaking Aspen	10	Pole	5		White Pine	Low	Variable	Sapling
Hemlock	10	Log/Pole	10		Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir	60	Pole	6	37	Beech	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	2	Pole	5		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
White Pine	5	Pole/Log	8					
Red Pine	3	Pole/Sapling	5					
Red Maple	5	Pole	5					

**80**      42290 - Natural Mixed Pine      Sawtimber Well      26.6      64      81-110      N/A      Primarily a white pine stand with some poor quality aspen mixed in. Some scattered older large diameter red and white pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	15	Pole	6	49	White Pine	Low	Variable	Sapling
White Pine	58	Log/Pole/XLog	12	64	Balsam Fir	Medium	Variable	Sapling
Red Pine	10	Log/Pole/XLog	12	121				
Red Maple	10	Pole	7	49				
Paper Birch	2	Pole/Log	8	49				
Balsam Fir	5	Pole	6	49				

**81**      629 - Mixed non-forested wetland      Nonstocked      35.2                     No

**82**      42200 - Natural White Pine      Sawtimber Well      9.3      74      81-110      N/A      Small sliver of a stand that continues onto private to the east. Used age from stand to the west which is nearly identical.

**83**      42201 - Natural White Pine, Mixed Deciduous      Sawtimber Well      12.9      74      81-110      N/A      Island stand surrounded by alder drainages to Cameron Creek. Access to the north off of private. Has a small interior island of alder on the south end.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	8	Log/Pole	10	74	Balsam Fir	Full	Variable	Sapling
Quaking Aspen	2	Log	10					
White Pine	65	Log/Pole	11	74				
Red Maple	20	Log/Pole	10	74				
Balsam Fir	5	Pole	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
<b>84</b>	42200 - Natural White Pine	Sawtimber Well	71.9	74	111-140	N/A	Well scattered xlog white pine that were the seed source for the current feature stand. This area has more red pine mixed in than the stand to the east. It has stagnant codominant white pine and could stand thinning in several places. There are some interior leatherleaf swales and has more deciduous component along the perimeter. Stand data was collected in 2011.																																																	
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<b>85</b>	629 - Mixed non-forested wetland	Nonstocked	13.3			No																																																		
<b>86</b>	629 - Mixed non-forested wetland	Nonstocked	29.0			No																																																		
<b>87</b>	429 - Mixed Upland Conifers	Poletimber Well	64.4	71	81-110	N/A	Cut with dozer and K-G blade in 1972. Whitepine and balsam fir mixed with some poor quality aspen. Some lowland pockets found throughout stand. Stand could be harvested in attempt to regenerate the aspen stand. Many areas dominated by pine and fir may not regenerate.																																																	
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<b>89</b>	629 - Mixed non-forested wetland	Nonstocked	1.6			No																																																		
<b>90</b>	6220 - Alder/willow	Nonstocked	8.0		Immature	No	Covered with EAB and beginning to fall apart.																																																	
<b>91</b>	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	3.6	161	81-110	N/A	Very difficult access. Imagery looks like supercanopy white pine. Used estimated age on supercanopy trees from white pine stands to the east.																																																	
<b>92</b>	6224 - Treed Bog	Nonstocked	25.7			No																																																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																										
<b>93</b>	42340 - Upland Spruce/Fir	Poletimber Well	8.0	50		N/A																																																											
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<b>94</b>	42200 - Natural White Pine	Sawtimber Well	30.7	64	111-140	N/A																																																											
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<b>95</b>	6224 - Treed Bog	Nonstocked	6.6			No	Southern edge contains a pocket of sparse cedar.																																																										
<b>96</b>	629 - Mixed non-forested wetland	Nonstocked	273.7			No																																																											
<b>97</b>	629 - Mixed non-forested wetland	Nonstocked	25.1			No																																																											
<b>98</b>	429 - Mixed Upland Conifers	Poletimber Well	29.9	74	51-80	N/A	Island stand with heavy dead and down due due multiple windthrow events. Mult-aged canopy including some supercanopy white pine 150+ yrs old. Stand will eventually become white pine dominated. Some pockets of heavy birch with fir understory. The area to the east has more pine. Interior alder swales. Data was collected in the winter of 2011.																																																										
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<b>99</b>	429 - Mixed Upland Conifers	Sawtimber Well	5.6	161	111-140	N/A	This is an island stand surrounded by cattail and alder wetland. There is a grove of 30" white pine in the center that has old-growth characteristics. Data was collected in 2011.																																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>100</b>	4319 - Mixed Upland Forest	Poletimber Well	12.5	50	81-110	N/A	It looks like they must have gotten out to this island with the dozer and K-G blade when the stand to the east was treated.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
Paper Birch		5	Pole	6				
White Pine		10	Pole	6				
Red Maple		20	Pole	6				
Quaking Aspen		20	Pole	6				
Balsam Fir		45	Pole	6	50			
<b>102</b>	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	4.0	74	111-140	N/A		
<b>103</b>	6122 - Black Spruce	Poletimber Medium	24.9	103		N/A	Multiple ages along a transition to treed bog to the south. Mix of upland and lowland with more red maple and white pine to the northwest.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Black Spruce		63	Pole	7	103	Tag Alder		
Tamarack		3	Pole	7		Low		
Red Pine		2	Log/Pole	12		5 - 10 feet		
Red Maple		15	Pole/Log	9	74	Tall Shrub		
Paper Birch		5	Pole	8		Black Spruce		
White Pine		10	Pole	7		Low		
Quaking Aspen		2	Pole/Log	8		Variable		
						White Pine		
						Low		
						Variable		
						Sapling		
						Sapling		
<b>105</b>	4130 - Aspen	Sapling Well	25.0	9	Immature	N/A		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
Bigtooth Aspen		83	Sapling	1	9			
Quaking Aspen		10	Sapling	1				
Black/Red (Hybrid) Oak		2	Sapling	1				
Red Maple		5	Sapling	1				
<b>106</b>	6225 - Bog	Nonstocked	1.2			No		
<b>107</b>	6120 - Lowland Cedar	Poletimber Medium	51.8	121	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>		
Balsam Fir		5	Pole	6		Tag Alder		
Red Maple		3	Pole/Log	8		Medium		
Northern White Cedar		90	Pole/Log	8	121	5 - 10 feet		
Paper Birch		2	Pole	5		Tall Shrub		
						Balsam Fir		
						Medium		
						Variable		
						Sapling		
<b>109</b>	622 - Lowland Shrub	Nonstocked	41.7		Unspecified	No		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
110	4130 - Aspen	Poletimber Well	1.4	96	Unspecified	N/A																																												
111	4130 - Aspen	Poletimber Well	26.6	96	Unspecified	N/A	Data is from last entry. No field visit this entry.																																											
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113	622 - Lowland Shrub	Nonstocked	16.5		Unspecified	No																																												
115	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	73.0	62	51-80	N/A	Was a black ash swamp before E.A.B.																																											
116	4122 - Oak, Pine	Sawtimber Well	16.2	111	81-110	N/A	Oak/ pine stand that had the aspen and red maple removed in 2013. Some large diameter white pine and oaks. Stand appears healthy and produces large amounts of acorns.																																											
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117	4319 - Mixed Upland Forest	Poletimber Well	20.1	38	51-80	N/A	Records indicate that there was a sale or habitat cut in 1983.																																											
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118	6224 - Treed Bog	Nonstocked	4.4			No																																												
119	6225 - Bog	Nonstocked	3.2			No																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**120**      6127 - Lowland Pine      Sawtimber Well      25.2      106      111-140      N/A      Primarily white pine and aspen stand. Some areas of high ground.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	2	Log	14		Black Spruce	Low	Variable	Sapling
White Pine	51	Log/Pole/XLog	15	106	Balsam Fir	High	Variable	Sapling
Black Spruce	10	Pole/Log	8		Tag Alder	Medium	< 5 feet	Tall Shrub
Paper Birch	2	Pole	7		White Pine	Medium	Variable	Sapling
Red Maple	35	Log/Pole	10	106				

**121**      6139 - Mixed Lowland Forest      Poletimber Poor      5.7      39      N/A      Old logging road along driest portion of the stand that isn't accessible by two-wheel drive vehicle through most of the year. Transitions to alder dominated wetland to the northeast.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Pole	4		Tag Alder	High	5 - 10 feet	Tall Shrub
White Pine	15	Pole	4		White Pine	Low	Variable	Sapling
Tamarack	5	Pole	4		Black Spruce	Low	Variable	Sapling
Red Pine	2	Pole	3		Balsam Fir	Medium	Variable	Sapling
Paper Birch	10	Pole	3					
Quaking Aspen	18	Pole	3					
Balsam Fir	18	Pole	4					
Red Maple	22	Pole	3	39				

**122**      629 - Mixed non-forested wetland      Nonstocked      22.6      No

**123**      6127 - Lowland Pine      Sawtimber Well      47.3      98      111-140      N/A      Mixed stand if lowland and upland dominated by primarily white pine. Lowland areas are more dominated by balsam and maple.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	2	Pole	6	56	Balsam Fir	Medium	Variable	Sapling
Balsam Fir	15	Pole	6	56	Black Spruce	Low	Variable	Sapling
White Pine	36	Log/Pole	12	98	Red Maple	Low	Variable	Sapling
Red Pine	15	Log	14	98	White Pine	Low	Variable	Sapling
Red Maple	30	Log/Pole	10	98				
Quaking Aspen	2	Pole	6	56				

**124**      629 - Mixed non-forested wetland      Nonstocked      9.4      No      Scattered white pine log trees and tamarack poles. Alder, fir, and tamarack regen.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**125** 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 71.8 76 81-110 N/A Mixed stand of primarily red maple and white pine with scattered aspen and oak. Scattered wet vernal pools.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	2	Log/XLog	15		Red Maple	Low	5 - 10 feet	Sapling
White Pine	31	Log/Pole/XLog	14		Balsam Fir	Low	< 5 feet	Sapling
Paper Birch	2	Pole/Log	9		White Pine	High	Variable	Sapling
Red Maple	35	Log/Pole	10	76				
Black/Red (Hybrid) Oak	5	Log/XLog	15					
Quaking Aspen	20	Pole/Log	9	52				
Bigtooth Aspen	5	Log/Pole	10					

**126** 500 - Water Nonstocked 17.9 No Walleye rearing ponds.

**127** 6233 - Wet Meadow Nonstocked 5.0 No

**128** 6233 - Wet Meadow Nonstocked 1.6 No

**129** 622 - Lowland Shrub Nonstocked 6.8 No

**130** 6122 - Black Spruce Poletimber Well 2.1 80 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	90	Pole	5	80	Balsam Fir	Low	< 5 feet	Sapling
White Pine	10	Pole	5		Black Spruce	Low	< 5 feet	Sapling

**131** 6132 - Mixed Lowland Forest with Cedar Poletimber Well 4.0 67 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	32	Pole/Log	9	67	Tag Alder	Medium	< 5 feet	Tall Shrub
Paper Birch	10	Pole	6		Balsam Fir	Low	< 5 feet	Sapling
Balsam Fir	28	Pole	6		Red Maple	Low	5 - 10 feet	Sapling
Northern White Cedar	20	Pole	8					
Black Spruce	10	Pole	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**132** 4319 - Mixed Upland Forest Sapling Medium 92.0 18 Immature N/A Multiple low wet runs and swales.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	2	Sapling	1	
Balsam Fir	10	Sapling	1	
Jack Pine	1	Sapling	1	
Red Maple	35	Sapling	1	18
Black Spruce	1	Sapling	1	
Black/Red (Hybrid) Oak	9	Sapling	1	18
Red Pine	2	Sapling	1	
Bigtooth Aspen	5	Sapling	1	18
White Pine	35	Sapling	1	18

**133** 4139 - Aspen, Mixed Deciduous Poletimber Well 7.3 52 51-80 N/A Multiple seasonal wetland holes within stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole/Log	9		Balsam Fir	Low	Variable	Sapling
Bigtooth Aspen	53	Pole/Log	9	52	White Pine	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	10	Log	14					
Quaking Aspen	5	Pole	8					
White Pine	10	Pole/Log	8					
Red Pine	5	Log	12					
White Oak	2	Log	14					

**134** 6225 - Bog Nonstocked 3.0 No Scattered white pine and spruce.

**135** 6225 - Bog Nonstocked 4.2 No

**136** 42200 - Natural White Pine Poletimber Well 15.7 92 81-110 N/A Whitepine and maple stand. Red pine sawtimber is found scattered and in clumps along the west edge. There are multiple wet pockets found throughout the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	2	Log/Pole	12		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
White Pine	48	Log/XLog	14	92	Balsam Fir	High	< 5 feet	Sapling
White Pine	15	Pole	8	52	White Pine	Medium	Variable	Sapling
Red Pine	10	Log	15		Red Maple	Low	Variable	Sapling
Red Maple	25	Pole/Log	9					

**138** 6229 - Mixed lowland shrub Nonstocked 99.5 No Multiple active beaver lodges in nw corner of stand.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
139	6122 - Black Spruce	Poletimber Medium	32.4	62	51-80	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>
Red Maple		10	Pole	8		White Pine	Medium	< 5 feet	Sapling
Paper Birch		2	Pole	8		Tag Alder	Low	< 5 feet	Tall Shrub
Black Spruce		63	Pole/Log	8	62	Black Spruce	Medium	< 5 feet	Sapling
White Pine		25	Log/Pole/XLog	10		Red Maple	Medium	< 5 feet	Sapling
140	622 - Lowland Shrub	Nonstocked	69.3				No		
141	622 - Lowland Shrub	Nonstocked	10.7				No		
142	42210 - Natural Red Pine	Sawtimber Well	10.4	97	51-80	N/A	East side of stand has more maple and white pine. Heavy balsam fir understory. Stand fades to higher nice red pine stand that goes into the next compartment(86). Stand data was collected in the winter of 2010.		
<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 Pine		10	Pole/Log	12		Balsam Fir	Full	5 - 10 feet	Sapling
Red Pine		85	Pole/Log	12	97	White Pine	Low	< 5 feet	Sapling
Red Maple		5	Pole	8					
143	42210 - Natural Red Pine	Sawtimber Well	7.1	97	201+	N/A	Very nice, natural red and white pine stand. High basal area. Island, no access. Stand data was taken in winter of 2010.		
<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		85	Pole/Log	12	97	Balsam Fir	Low	< 5 feet	Sapling
Red Maple		5	Pole	8		Black Spruce	Low	< 5 feet	Sapling
White Pine		10	Pole/Log	12	97	White Pine	Medium	< 5 feet	Sapling
144	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	96.6	52	1-50	N/A	Somewhat open stand with clumps of aspen or black spruce. Areas of bog. Old timbersale records indicated area was "KG" bladed in and around 1970. Stand data was collected in the winter of 2010.		
<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		40	Sapling/Pole	4	52	Red Maple	Low	< 5 feet	Sapling
Black Spruce		40	Sapling/Pole	5	52	Black Spruce	Low	< 5 feet	Sapling
White Pine		20	Pole/Sap/Log	6	52	White Pine	Low	< 5 feet	Sapling
145	42200 - Natural White Pine	Poletimber Well	14.7	52	81-110	N/A	Youngerred maple and white pine with some older red and white pine super canopy trees. Old timbersale records indicate area was "KG" bladed while leaving all the red and white pine. Stand data was collected in the winter of 2010.		
<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 Pine		70	Pole/Sap/Log	6	52	Red Maple	Medium	5 - 10 feet	Sapling
Red Pine		5	Log	14		Balsam Fir	Medium	< 5 feet	Sapling
Red Maple		15	Sapling/Pole	5					
Paper Birch		8	Pole	6					
Quaking Aspen		2	Sapling/Pole	5					
146	622 - Lowland Shrub	Nonstocked	69.6				No		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>147</b>	6122 - Black Spruce	Poletimber Medium	23.1	52		N/A	Stand data was collected in the winter of 2010.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Quaking Aspen		10	Sapling/Pole	4	52	White Pine	
Black Spruce		70	Sapling/Pole	4	52	Black Spruce	
White Pine		20	Sapling/Pole	4	52		
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
White Pine		Low	< 5 feet	Sapling			
Black Spruce		Low	< 5 feet	Sapling			
<b>148</b>	4193 - Birch, Aspen	Poletimber Well	11.4	92	81-110	N/A	Mix of birch, red maple and bigtooth aspen. Some balsam fir and spruce in understory especially to the NW. Possibly habitat cut and regenerate to aspen.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Paper Birch		50	Pole	8	92	Red Maple	
Bigtooth Aspen		30	Pole/Log	12	92	Balsam Fir	
Red Maple		20	Pole/Log	8	92	Black Spruce	
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
Red Maple		Medium	< 5 feet	Sapling			
Balsam Fir		Low	< 5 feet	Sapling			
Black Spruce		Low	< 5 feet	Sapling			
Stand data was collected in the winter of 2010.							
<b>149</b>	42200 - Natural White Pine	Sawtimber Well	31.7	92	81-110	N/A	White pine stand on humocky ground with some ares of younger aspen mixed in. Stand has pockets of high ground but many areas hold pockets of water during wet times. Younger aspen age class is probably from the "KG" activities in and around 1970. There is a small pocket of upland red pine on the east edge.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Black Spruce		18	Pole	8		Black Spruce	
Quaking Aspen		5	Sapling/Pole	4		White Pine	
Red Maple		2	Pole	6		Balsam Fir	
Red Pine		2	Log	14			
White Pine		73	Log/Pole	10	92		
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
Black Spruce		Medium	Variable	Sapling			
White Pine		Low	Variable	Sapling			
Balsam Fir		Low	Variable	Sapling			
<b>150</b>	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	39.4	62	51-80	N/A	Variable stand of mixed pine and black spruce on a high water table. Humocky ground. A 1-2 acre patch of natural red pine sawtimber found in middle of stand. Areas with leather leaf ground cover.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		5	Pole	6		Red Maple	
Black Spruce		30	Pole	6		Black Spruce	
Red Pine		10	Log/Pole	12			
Jack Pine		38	Pole	8	62		
White Pine		15	Log/Pole	10			
Quaking Aspen		2	Pole	6			
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
Red Maple		Low	Variable	Sapling			
Black Spruce		Medium	< 5 feet	Sapling			
<b>151</b>	4130 - Aspen	Poletimber Well	44.0	52	51-80	N/A	Quaking aspen stand on higher water table. Some hypoxylon evident, Stand was probably regenerated from the "KG" activities in and around 1970.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		5	Pole	6		Red Maple	
Black Spruce		2	Sapling/Pole	5			
White Pine		5	Sapling/Pole	5			
Quaking Aspen		88	Pole	6	52		
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
Red Maple		Medium	< 5 feet	Sapling			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**152** 6128 - Lowland Coniferous, Mixed Deciduous Sapling Medium 31.1 52 1-50 N/A Somewhat open bog in areas with scattered clumps of aspen, white pine and black spruce. Stand data was collected in the winter of 2010.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Sapling/Pole	4	52	Tamarack	Low	Variable	Sapling
Tamarack	20	Sapling/Pole	4	52	Tag Alder	Low	Variable	Tall Shrub
Black Spruce	20	Sapling/Pole	4	52	White Pine	Low	Variable	Sapling
White Pine	20	Sapling/Pole	4	52				
Quaking Aspen	20	Sapling/Pole	4	52				

**153** 6225 - Bog Nonstocked 4.2 No

**154** 6122 - Black Spruce Poletimber Well 6.9 62 51-80 N/A Stand data was collected in the winter of 2010.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	15	Pole	6		Black Spruce	Low	< 5 feet	Sapling
Black Spruce	85	Pole	5	62				

**155** 6225 - Bog Nonstocked 11.1 No

**156** 6225 - Bog Nonstocked 9.3 No

**158** 4139 - Aspen, Mixed Deciduous Sapling Well 24.7 27 N/A Young aspen/red maple stand with some black spruce and white pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	40	Sapling	3	27	Red Maple	Medium	Variable	Sapling
Red Maple	50	Sapling	3	27	Black Spruce	Low	< 5 feet	Sapling
Black Spruce	5	Sapling	2		White Pine	Low	< 5 feet	Sapling
White Pine	5	Sapling	2					

**159** 4119 - Mixed Northern Hardwoods Poletimber Well 11.0 52 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	15	Pole	6	52	Red Maple	Medium	Variable	Sapling
Balsam Fir	5	Pole	5		Balsam Fir	Low	< 5 feet	Sapling
White Pine	10	Pole	5					
Red Maple	70	Pole	6	52				

**160** 500 - Water Nonstocked 25.5 No Flooded cedar stand from beavers. Multiple wood duck nesting boxes.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**161** 4130 - Aspen Sapling Well 89.0 10 Immature N/A Stand was cut in the winter of 2012, 2013.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	35	Sapling	1	10	Red Maple	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	2	Log	14					
White Oak	1	Log	12					
Red Maple	10	Sapling	1					
Quaking Aspen	50	Sapling	1	10				
White Pine	2	Pole/Sapling	5					

**162** 6225 - Bog Nonstocked 4.7 No

**163** 6120 - Lowland Cedar Poletimber Well 51.8 70 51-80 N/A Mixed stand of cedar. A few birch, red maple and white pine present. Heavy tag alder in understory. Some standing (frozen) water at time of inventory. Decent amount of snowshoe sign. Stand data was collected in the winter of 2010.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Pole/Log	8		Black Ash	Low	< 5 feet	Sapling
Northern White Cedar	75	Pole	6	70	Tag Alder	High	< 5 feet	Tall Shrub
Red Maple	15	Pole	6		Balsam Fir	Medium	< 5 feet	Sapling

**164** 4130 - Aspen Sapling Well 29.7 27 Immature N/A A3 stand with some red maple and white pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	90	Sapling	3	27	Red Maple	Low	< 5 feet	Sapling
Red Maple	5	Sapling	3	27	White Pine	Low	< 5 feet	Sapling
White Pine	5	Sapling/Pole	4					

**165** 500 - Water Nonstocked 4.0 No

**166** 6118 - Lowland Deciduous with Cedar Poletimber Poor 27.8 67 N/A