

# Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71058

Entry Year: 2027

Acreage: 3,046

County: Roscommon

Management Area: High Sand Plains

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**Stand Examiner:** Brian Martell

**Legal Description:**

T23N R01W Secs. 5-7, 17-20

**Identified Planning Goals:**

Maintain age and species diversity in a range of early and late successional ecosystems while managing for forest health, productivity, and sustainability.

**Soil and topography:**

Soils are mostly Croswell, Grayling, and Graycalm sands in the uplands with Tawas muck and Dawson-Loxley peats in the lowlands. There is not much topography change with slopes being in the 0-6% range.

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

This compartment is a continuous block of state land. There is a large private hunt club bordering the south and east sides. The south end of the compartment butts up against Lake Saint Helen.

**Unique Natural Features:**

There is at least one bald eagle nest within the compartment boundaries and a lot of eagle activity documented in the general area.

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

There are a couple historical archeological features within the compartment boundaries.

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:**

The South Branch of the AuSable River flows through a portion of the compartment and the north shore of Lake Saint Helen is very near to the southern compartment boundary.

**Wildlife Habitat Considerations:**

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

No known potential exists for economic deposits of metallic minerals in this part of the state. The nearest known active sand/gravel operation is the State-owned St. Helen/Carter Pit, about two miles southwest. Potential for sand & gravel development within the compartment, however, appears to be limited. The nearest hydrocarbon production, past or present, is roughly one mile north, in the Saint Helen Field. There is no current leasing activity involving State-owned oil & gas rights in the compartment, and there has been no recent well permit activity in the area. Potential for future oil & gas development within the compartment is considered low at this time.

**Vehicle Access:**

Moore Road is a seasonal county road that goes through the main part of the compartment providing access to most of the upland areas with additional vehicle access through state forest roads. The very southeastern portion of the compartment is blocked by lowland and a private hunt club.

**Survey Needs:**

No survey needs known at this time.

**Recreational Facilities and Opportunities:**

There is a fair amount of hunting and dispersed camping that takes place in the compartment.

**Fire Protection:**

**Additional Compartment Information:**

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

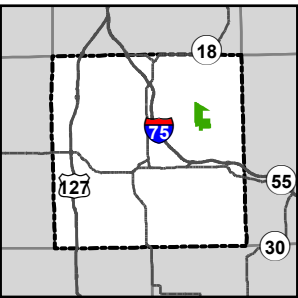
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

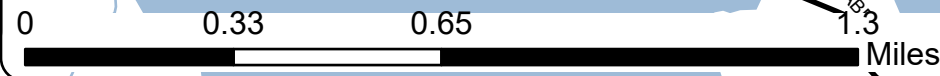
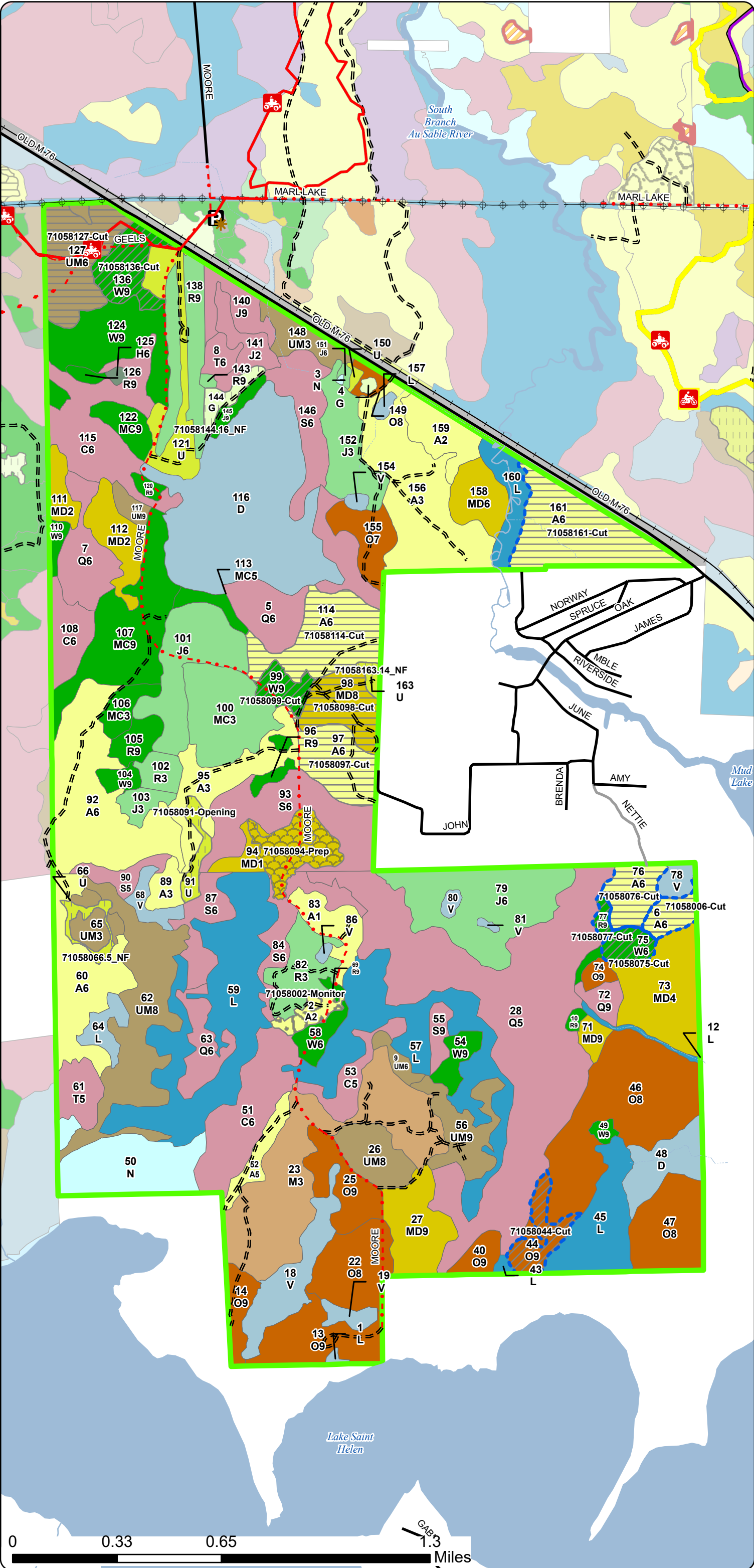
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 71058  
T23N, R01W, Sec. 5-7, 17-20  
County: Roscommon  
Unit: Roscommon  
Mgmt. Area: High Sand Plains  
YOE: 2027  
Acres: 3,045.83 GIS Calculated  
Examiner: Brian Martell  
Date Exported: 09/30/2025  
Map Phase: Post Review

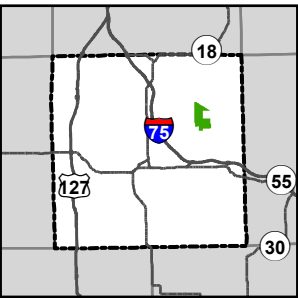


- Parking Lot
- Trailhead
- Designated Snowmobile Trails
- Designated ATV Trails
- Designated MCCCT Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Active Railroads
- Powerline
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Thinning
- Site Prep
- Openings Mgmt.
- Monitoring - Regeneration
- Clearcut
- Openings Mgmt.
- Monitoring - Regeneration
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested Wetland



Cover Type & Treatments Map

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Parking Lot

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Trailhead

Designated ATV Trails

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DNR - Forest Access Route

Federal / State / County - Paved Road

-.-.-

County - Gravel Road

-.-.-

County - Dirt Road (Seasonal)

+

Active Railroads

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Powerline

Intermittent Stream

Perennial River

Lakes and Rivers

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Compartment Boundary

Treatments with Site Conditions

Clearcut

Thinning

Site Prep

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Monitoring - Regeneration

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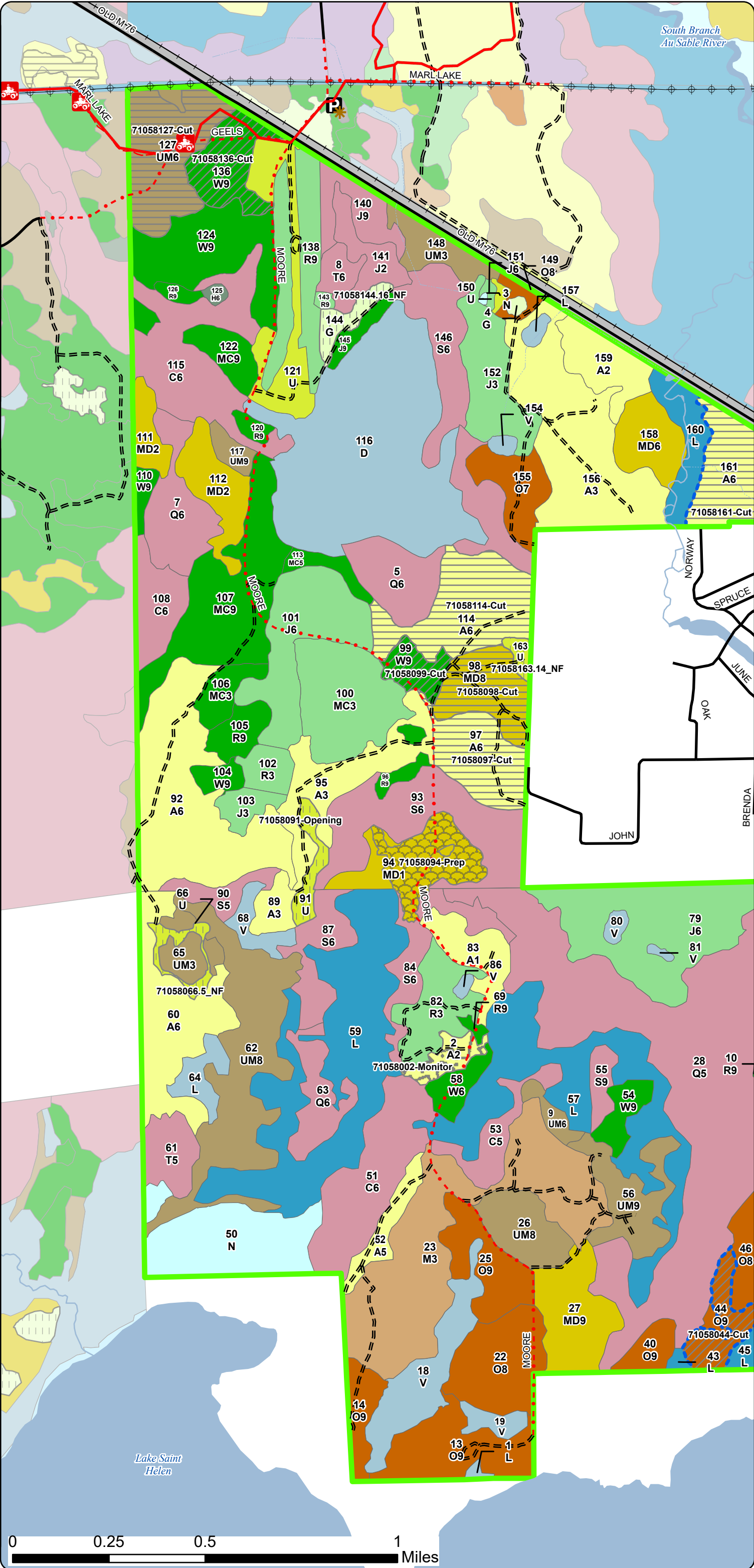
310 - Herbaceous Openland

330 - Low Density Trees

622 - Lowland Shrub

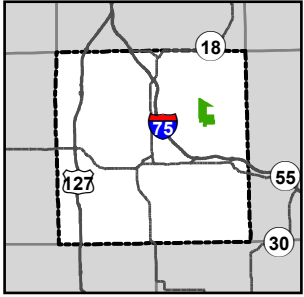
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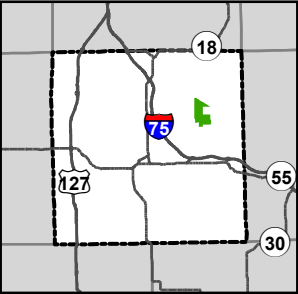
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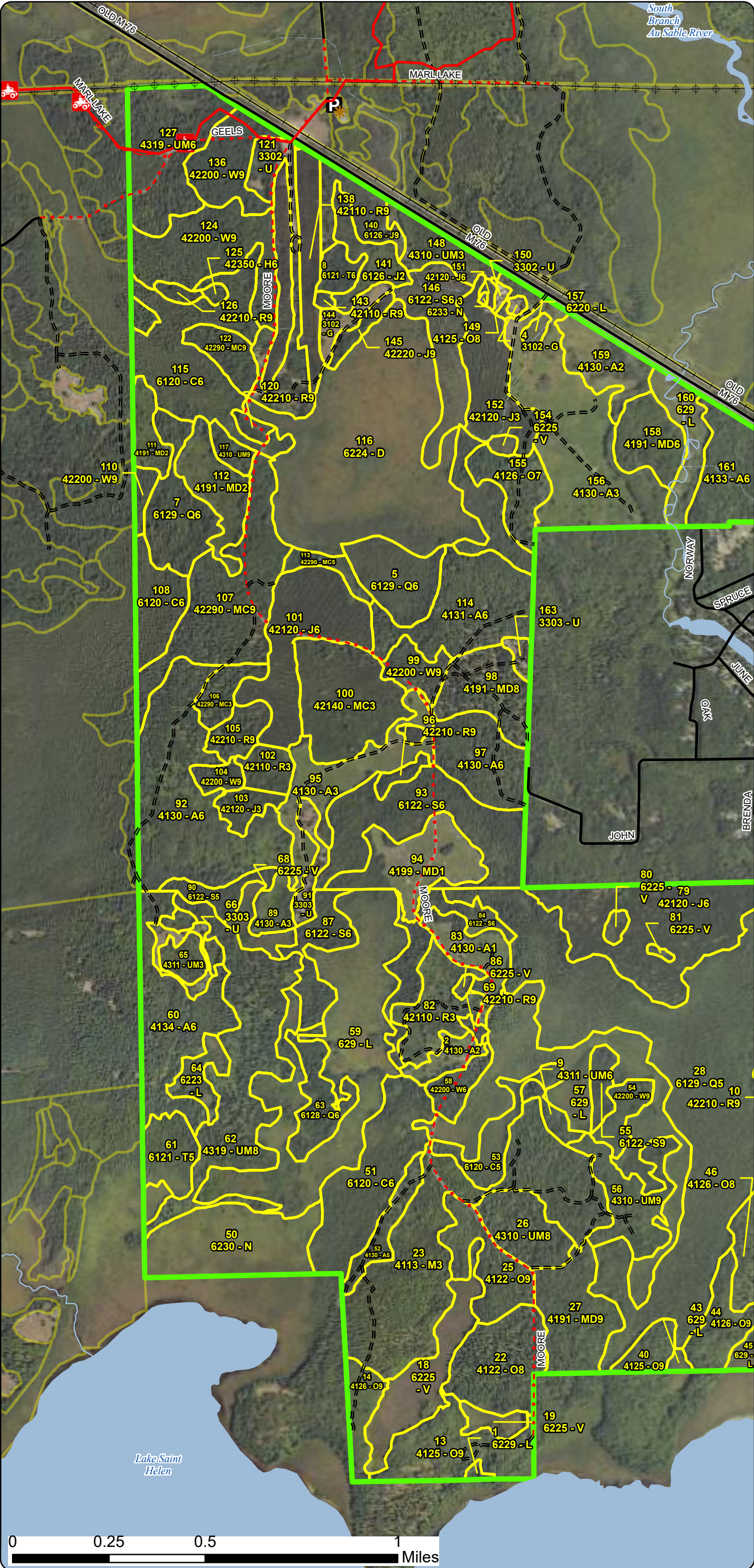


Stand Boundary  
Map

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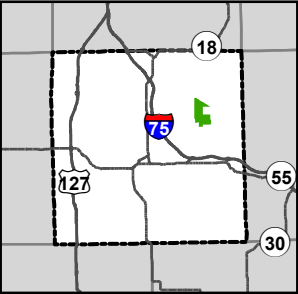
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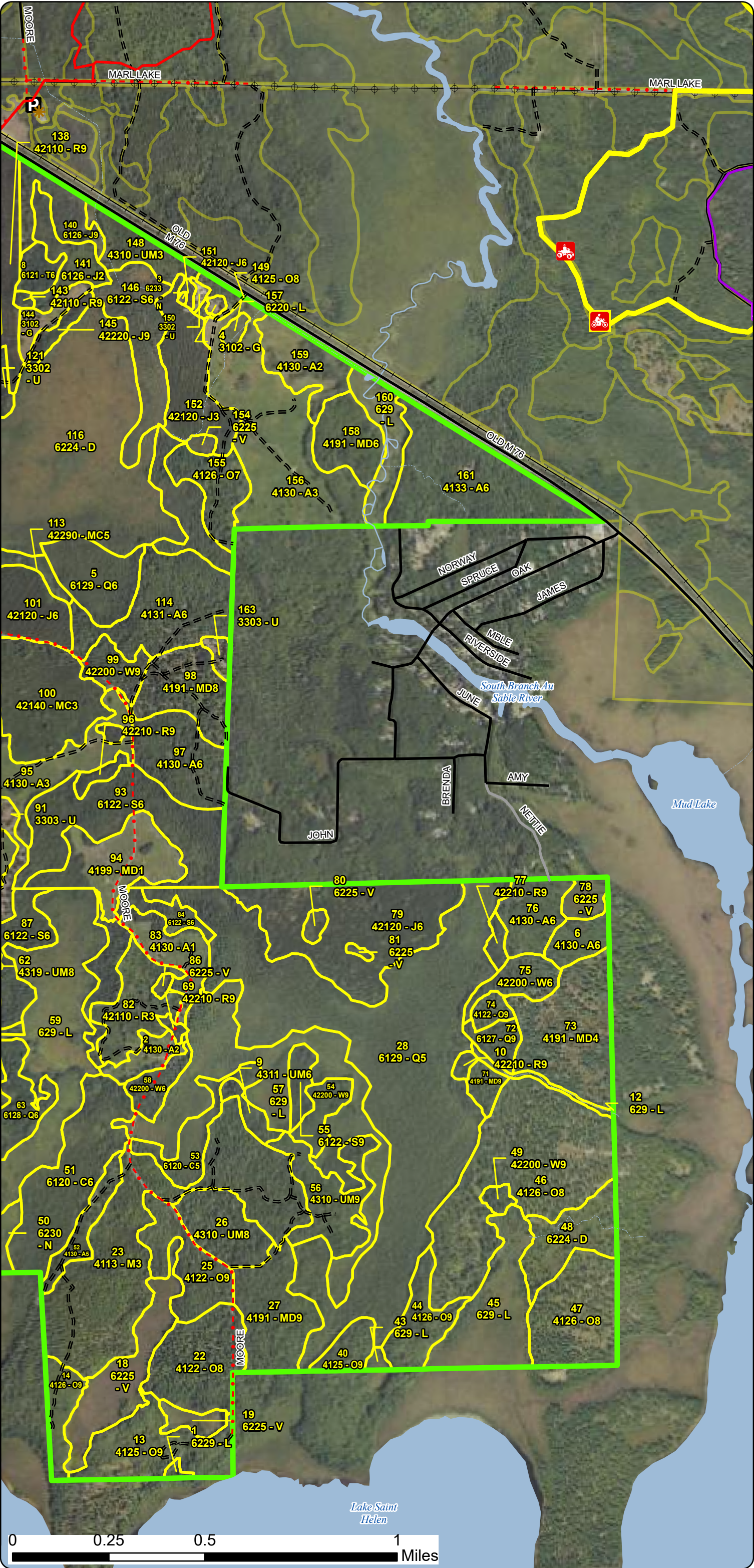


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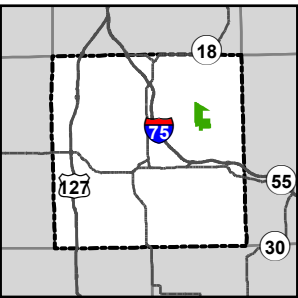
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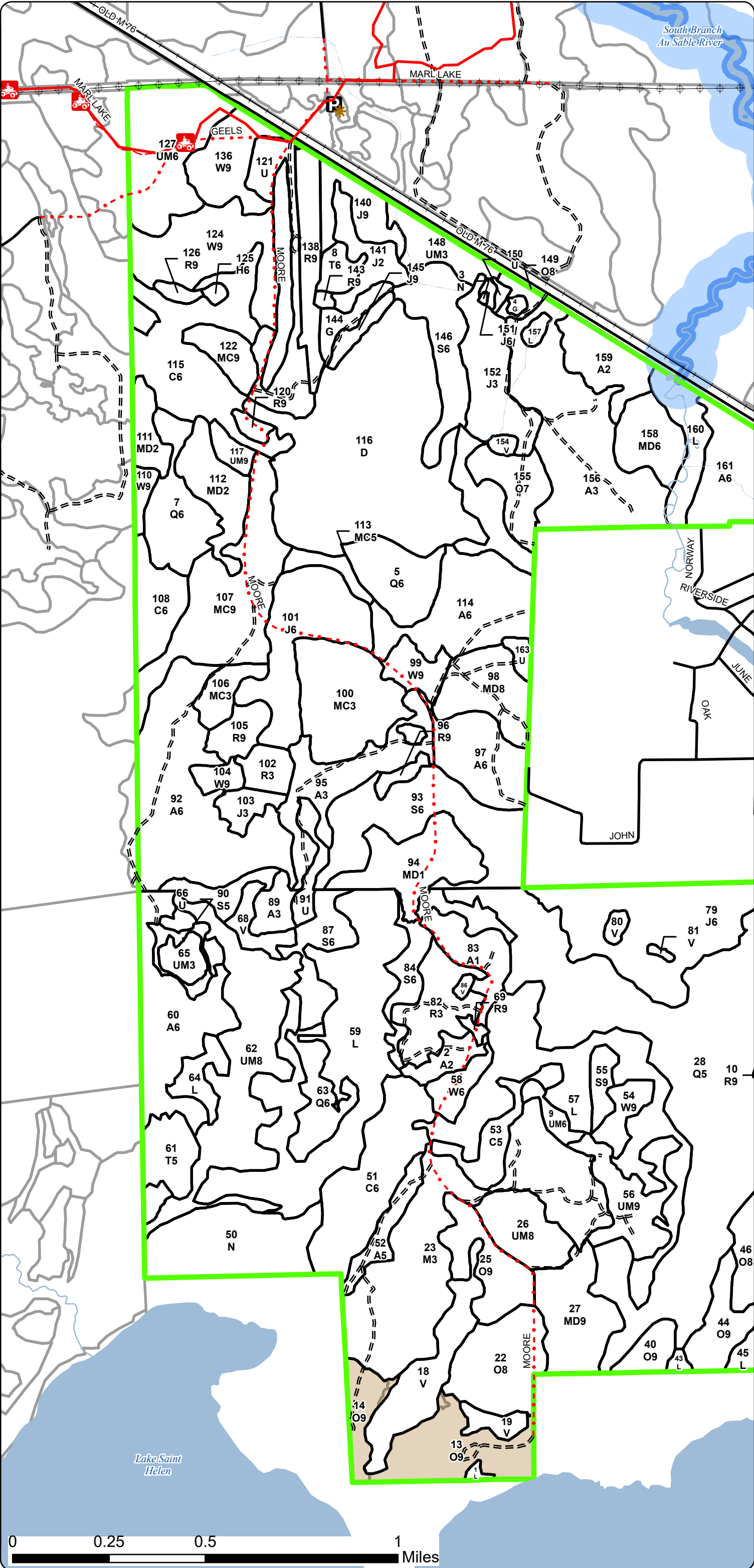


Special Conservation Areas  
& Site Conditions Map

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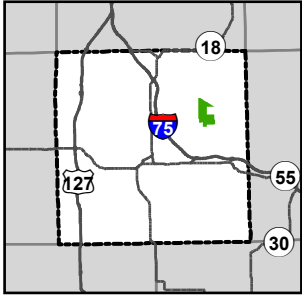
























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- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- SCA
- Cultural Use Area

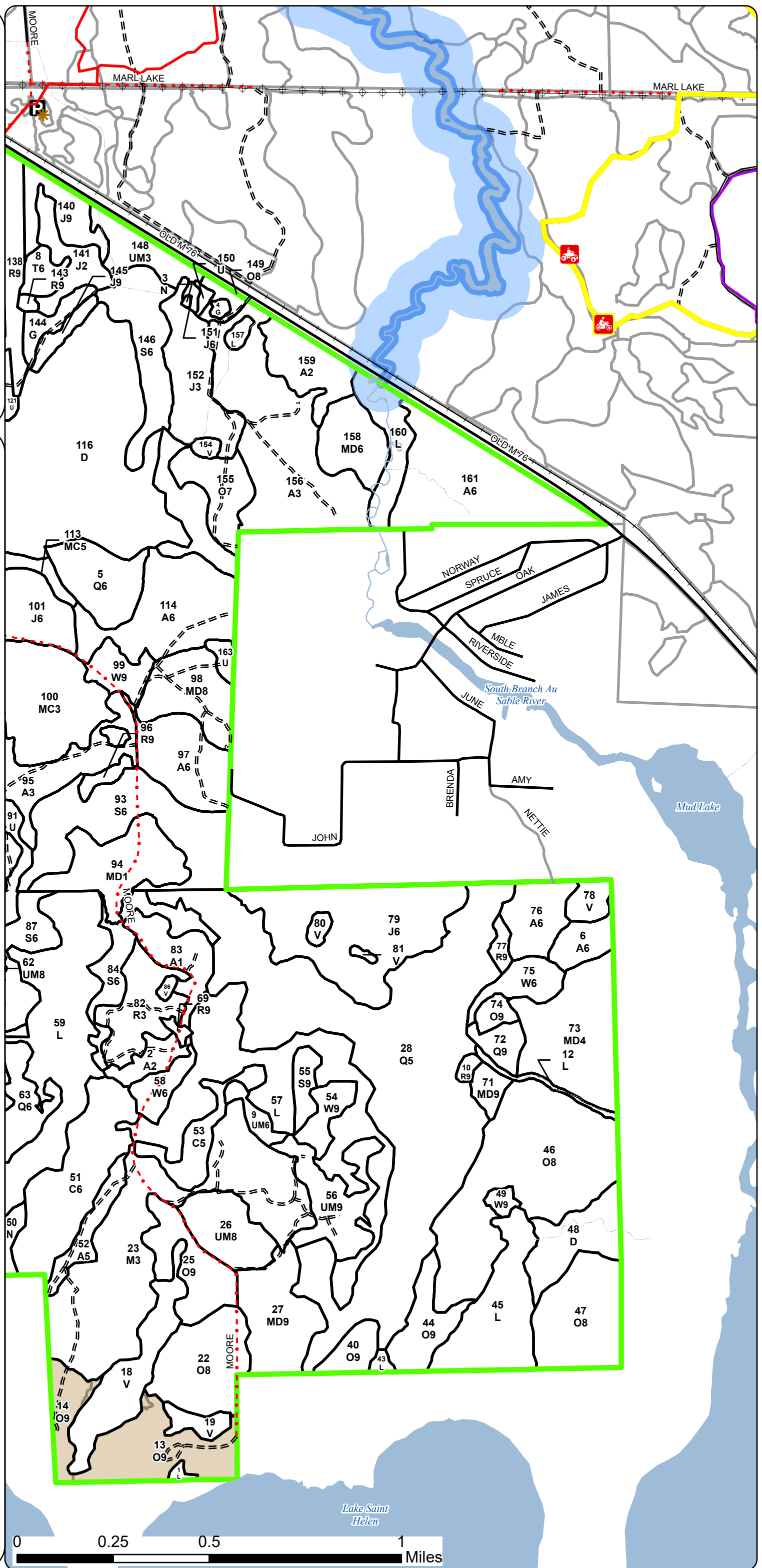




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# Report 1 – Total Acres by Cover Type and Age Class

	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	159	9	0	129	0	11	162	0	0	0	0	0	0	0	0	0	0	468
Bog	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	91	0	48	0	0	0	139
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Jack Pine	0	0	23	0	145	1	0	0	6	16	0	0	0	0	0	0	0	0	191
Low-Density Trees	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Lowland Conifers	0	0	0	0	0	0	0	0	247	0	0	8	71	0	0	0	0	0	326
Lowland Shrub	265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	265
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	29	7	0	105	0	0	0	0	0	141
Marsh	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Mixed Upland Deciduous	0	33	33	0	48	0	0	0	0	20	0	0	26	0	38	0	0	0	197
Natural Mixed Pines	0	0	10	0	0	6	0	60	0	0	0	0	15	0	0	0	0	0	90
Northern Hardwood	0	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102
Oak	0	0	0	0	0	0	0	0	4	0	0	0	19	17	250	0	0	0	289
Planted Mixed Pines	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Red Pine	0	0	34	0	0	0	0	35	7	0	1	2	17	3	0	0	0	0	99
Tamarack	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	23
Treed Bog	170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170
Upland Mixed Forest	0	0	27	0	0	0	46	38	70	0	0	0	0	0	0	0	0	22	203
White Pine	0	0	0	0	0	0	6	25	9	78	0	0	5	0	0	0	0	0	122
Total	603	192	180	102	322	7	63	343	343	143	8	10	349	22	336	0	0	22	3039



## Report 2 – Treatment Summary

Roscommon Mgt. Unit

Year of Entry: 2027

Acres of Harvest

Compartment 58

Total Compartment Acres: 3,046

Commercial Harvest - 327

Harvests with Site Condition - 200

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	162	0	0	0	0	0	0	0	0	162
Mixed Upland Deciduous	26	0	0	0	0	0	0	0	0	26
Oak	0	0	0	0	0	16	0	0	0	16
Red Pine	0	0	0	0	0	4	0	0	0	4
Upland Mixed Forest	44	0	0	0	0	0	0	0	0	44
White Pine	0	0	0	0	0	44	0	0	0	44
Total	232	0	0	0	0	64	0	0	0	296

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	296	0	0	0	0	0	9	0	17	356
Next Step	0	25	25	0	0	50	283	0	17	409
Total	296	25	25	0	0	50	291	0	34	765



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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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**Approved Treatments:**

<b>2</b>	<b>71058002-Monitor</b>	8.9	4130 - Aspen	2	5	Immature	Monitoring	Monitoring - Regeneration	413 - Aspen	Planting Record	No
<u>Prescription</u> Check to make sure fully stocked <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Aspen at fully stocked levels. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2029											
<b>6</b>	<b>71058006-Cut</b>	10.5	4130 - Aspen	6	65		Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Planting Record	No
<u>Prescription</u> Cut all trees 1 inch DBH and larger. Leave all white pine. Leave 3-10% area retention focused along edge of bog. Leave drumming logs. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderately stocked stand of aspen and red maple. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											
<b>44</b>	<b>71058044-Cut</b>	16.34	126 - White, Black, N. Pin Oak	9	130	111-140	Harvest	Thinning	412 - Oak Types	Planting Record	No
<u>Prescription</u> Thin down to 70 - 90 BA. Leave out wet spot and pocket heavy to white pine poles. Favor white oak over black oak. Include oak wilt specs. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>66 71058066.5_N_F</b>	5.8	3303 - Mixed Low Density Trees	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Rosco-St. Helen Field 15. <u>Specs:</u> <u>Next Step</u> NonForestMgt, Mowing <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>75 71058075-Cut</b>	10.0	42200 - Natural White Pine	6	64	111-140	Harvest	Thinning	4220 - Natural White Pine	Planting Record	No
<u>Prescription</u> Thin stand down to about 90 BA. Remove poor formed and suppressed trees, then remove based on crown spacing. Remove large log trees that will grow out of prime merchantability. All managers agree on the treatment of this natural pine stand at compartme <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026										
<b>76 71058076-Cut</b>	18.4	4130 - Aspen	6	65	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches DBH and larger. Leave all white oak 14 inches DBH and larger. Leave 3-10% area retention according to retention <u>Specs:</u> guidelines. Leave drumming logs. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Fully stocked stand of aspen with red maple, oak, and pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026										
<b>77 71058077-Cut</b>	3.5	42210 - Natural Red Pine	9	114	111-140	Harvest	Thinning	4221 - Natural Red Pine	Planting Record	No
<u>Prescription</u> Thin stand down to about 90 BA. Remove poor formed and suppressed trees including declining black oak, then remove based on crown <u>Specs:</u> spacing. Remove large log trees that will grow out of prime merchantability. Leave most, if not all, monarch red pine seed <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>91 71058091-Opening</b>	8.3	3303 - Mixed Low Density Trees	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Rosco St. Helen Field 14 <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>94 71058094-Prep</b>	25.2	4199 - Other Mixed Upland Deciduous	1	4	Immature	Site Prep-Mech.	Site Prep	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Roller chop. Avoid conifer where possible. Chop all the cherry. <u>Specs:</u> <u>Next Step</u> SitePrep, Trenching; Pesticide, Aerial - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen; Monitoring, Artificial Regen (3yr); <u>Treatments:</u> Pesticide, Aerial - Release <u>Acceptable</u> Fully stocked red pine stand. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025										
<b>97 71058097-Cut</b>	29.6	4130 - Aspen	6	64	Unspecified	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches DBH and larger. Leave about a dozen healthy large crowned white oak. Exclude and properly buffer the lowland areas <u>Specs:</u> in the middle of the stand as area retention. Leave drumming logs and brush piles along southern lowland edge. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate to fully stocked stand of aspen, oak, maple and pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>98 71058098-Cut</b>	26.2	4191 - Mixed Upland Deciduous with Conifer	8	115	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
<u>Prescription</u> Cut all trees 5 inches DBH and larger. Protect advanced regeneration. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderately stocked mixed stand of maple, oak, pine, and aspen. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>99 71058099-Cut</b>	10.9	42200 - Natural White Pine	9	84	81-110	Harvest	Thinning	4220 - Natural White Pine	Planting Record	No
<u>Prescription</u> Remove all Jack pine, then thin the rest of the stand down to about 70 to 90 BA. Focus on white pine crown spacing and removing at risk <u>Specs:</u> oak. All managers agree to this treatment on this natural pine stand at compartment review.  <u>Next Step</u> <u>Treatments:</u>  <u>Acceptable</u> <u>Regen:</u>  <u>Other</u> <u>Comment:</u>  <u>Site Condition:</u>  <u>Proposed Start Date:</u> 10/01/2026										
<b>114 71058114-Cut</b>	46.4	4131 - Aspen, Oak	6	64	81-110	Harvest	Clearcut	4131 - Aspen, Oak	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches DBH and larger. Leave standard area retention based on retention guidelines. Leave drumming logs and brush piles <u>Specs:</u> along lowland edge.  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>  <u>Acceptable</u> Full to moderate stocked stand of aspen and oak mixed with some maple and pine. <u>Regen:</u>  <u>Other</u> <u>Comment:</u>  <u>Site Condition:</u>  <u>Proposed Start Date:</u> 10/01/2026										
<b>127 71058127-Cut</b>	44.0	4319 - Mixed Upland Forest	6	55	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches DBH and larger. Exclude large blowdown areas in north part of stand (estimated in treatment boundary). Shoot for <u>Specs:</u> about 3% area retention focused on any wet areas. There are some large super-canopy white pine that are possible lega  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>  <u>Acceptable</u> Moderately stocked mix of aspen, oak, maple, white pine, and balsam fir. <u>Regen:</u>  <u>Other</u> <u>Comment:</u>  <u>Site Condition:</u>  <u>Proposed Start Date:</u> 10/01/2026										
<b>136 71058136-Cut</b>	23.5	42200 - Natural White Pine	9	80	141-170	Harvest	Thinning	4220 - Natural White Pine	Planting Record	No
<u>Prescription</u> Thin stand to around 90 BA. Remove suppressed and poor-formed trees first, then remove based on crown spacing. Remove any dying oak <u>Specs:</u> and aspen. Leave super canopy white pine. Do not use stand 121 as the landing.  <u>Next Step</u> <u>Treatments:</u>  <u>Acceptable</u> <u>Regen:</u>  <u>Other</u> <u>Comment:</u>  <u>Site Condition:</u>  <u>Proposed Start Date:</u> 10/01/2026										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>144 71058144.16_NF</b>	7.9	3102 - Grass	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Rosco St. Helen Field 12 <u>Specs:</u> <u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting (inactive) <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
<b>161 71058161-Cut</b>	57.0	4133 - Aspen, Mixed Pine	6	60	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches DBH and larger, except do not cut any white oak. Leave standard area retention of 3-10% focusing on the required <u>Specs:</u> natural river buffer and/or the wet swale. Acreage may decrease significantly due to the exclusion of these two featur <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Full to moderate stocked stand of aspen with oak, red maple, and white pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Other Dept./Div. Processes <u>Proposed Start Date:</u> 10/01/2026										
<b>163 71058163.14_NF</b>	3.4	3303 - Mixed Low Density Trees	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Rosco St. Helen Field 13 <u>Specs:</u> <u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting (inactive) <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

**Total Treatment** 355.8  
**Acreage Proposed:**

## Report 4 – Site Conditions



### Availability for Management

Total	Acres	Acres Avail	Acres	Dominant Site Conditions						
Acres	Available	With Condition	Not Available		2B	5B	1C	2G	2H	5E
372	269	29	74	Aspen	29		57			17
60	60	0	0	Bog						
140	0	0	140	Cedar				140		
2	2	0	0	Hemlock						
9	9	0	0	Herbaceous Openland						
186	175	0	11	Jack Pine				11		
49	49	0	0	Low-Density Trees						
321	8	0	313	Lowland Conifers				313		
263	261	0	1	Lowland Shrub				1		
141	40	0	102	Lowland Spruce/Fir				102		
50	50	0	0	Marsh						
171	112	33	27	Mixed Upland Deciduous		33			20	7
92	92	0	0	Natural Mixed Pines						
102	102	0	0	Northern Hardwood						
291	147	92	52	Oak	18	74	47			5
44	44	0	0	Planted Mixed Pines						
100	96	4	0	Red Pine	4					
23	0	0	23	Tamarack				23		
170	170	0	0	Treed Bog						
203	176	27	0	Upland Mixed Forest		27				
122	110	12	0	White Pine	12					
2,909	1,971	196	742	Total Forested Acres	63	134	104	589	20	29
	68%	7%	26%	Relative Percent						

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

Site No.	Dominant Site Cond	Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable		2G: Too wet (sensitive soils, does not include access issues)	338	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								



## Report 4 – Site Conditions

Roscommon Mgt. Unit  
Brian Martell: Examiner

Compartment: 58  
Year of Entry: 2027



2	Unavailable	1C: Other Dept. or Div. process	57	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	1C: Other Dept. or Div. process	47	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5B: Maintain for regeneration purposes	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	43	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5B: Maintain for regeneration purposes	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

# Report 4 – Site Conditions

Roscommon Mgt. Unit

Brian Martell: Examiner

Compartment: 58

Year of Entry: 2027



8	Available	2B: Unknown if access through adjacent landowner(s) is possible	63	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5B: Maintain for regeneration purposes	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	5B: Maintain for regeneration purposes	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	48	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



# Report 4 – Site Conditions

Roscommon Mgt. Unit

Brian Martell: Examiner

Compartment: 58

Year of Entry: 2027



17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	103	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	5E: Long-Term Retention	7	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

## Report 4 – Site Conditions



29	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Available	5B: Maintain for regeneration purposes	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
44	Available	5B: Maintain for regeneration purposes	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
45	Unavailable	5E: Long-Term Retention	0	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

## Report 4 – Site Conditions



46	Unavailable	5E: Long-Term Retention	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
47	Unavailable	5E: Long-Term Retention	7	2G: Too wet (sensitive soils, does not include access issues)	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified
Comments:							
48	Unavailable	5E: Long-Term Retention	10	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
50	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
52	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	20	1A: Federal/State/Local Law	Unspecified	Unspecified	Unspecified
Comments:							



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
	Cultural or Customary Area	Cultural Use Area	SCA	48
<b>Comments</b>				
Historic Value area				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
1	6229 - Mixed Lowland Shrub	None	1.3			No																																																					
2	4130 - Aspen	Sapling Medium	8.9	5	Immature	N/A	Stand had a wildfire caused from equipment while being harvested.																																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>90</td><td>Log</td><td>1</td><td>5</td></tr><tr><td>White Pine</td><td>3</td><td></td><td>13</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>1</td><td></td><td>14</td><td></td></tr><tr><td>Pin Cherry</td><td>5</td><td>Log</td><td>1</td><td></td></tr><tr><td>Red Pine</td><td>1</td><td></td><td>14</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	90	Log	1	5	White Pine	3		13		Black/Red (Hybrid) Oak	1		14		Pin Cherry	5	Log	1		Red Pine	1		14																							
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Red Pine	1		14																																																								
3	6233 - Wet Meadow	None	0.3			No																																																					
4	3102 - Grass	None	1.3			No																																																					
5	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	43.1	112	51-80	N/A																																																					
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Paper Birch</td><td>1</td><td></td><td>8</td><td></td></tr><tr><td>White Pine</td><td>5</td><td></td><td>11</td><td></td></tr><tr><td>Black Spruce</td><td>46</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>Northern White Cedar</td><td>46</td><td></td><td>8</td><td>112</td></tr><tr><td>Red Maple</td><td>2</td><td></td><td>8</td><td></td></tr></table> <table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Tag Alder</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Labrador Tea</td><td>Low</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr><tr><td>Balsam Fir</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	1		8		White Pine	5		11		Black Spruce	46	Seedling	7		Northern White Cedar	46		8	112	Red Maple	2		8		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Medium	5 - 10 feet	5 - 10 feet	Labrador Tea	Low	< 5 feet	< 5 feet	Balsam Fir	Low	Variable	Variable						
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6	4130 - Aspen	Poletimber Well	10.5	65		N/A	Declining quaking aspen with full red maple understory.																																																				
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8	6121 - Tamarack	Poletimber Well	7.0	61	51-80	N/A																																																										
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9	4311 - Pine, Aspen Mix	Poletimber Well	5.7	64	81-110	N/A	Variable stand, pockets of pine and pockets of poor quality aspen.																																																									
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10	42210 - Natural Red Pine	Sawtimber Well	2.0	104	111-140	N/A	Natural red pine stand with white pine understory.																																																									
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12	629 - Mixed non-forested Wetland	None	3.6			No	Broad drainage with lowland grasses and tag alder.																																																									
13	4125 - Black, N. Pin Oak	Sawtimber Well	34.5	135	111-140	N/A	Area is known as "Hippie Camp" and has heavy vehicle traffic from dispersed camping. Little to no oak regeneration. Some scattered white pine regeneration, more towards the west side and along swamp edges.																																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
14	4126 - White, Black, N. Pin Oak	Sawtimber Well	12.4	125	111-140	N/A	Nice stand of old black and white oak. Good quality black oak with a little bit of red mixed in. Old notes say potential old growth due to native american indian site on the shores of Lake St. Helen.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Oak	20		12		White Pine	Medium		Variable	Variable
Red Maple	5	Seedling	6						
Bigtooth Aspen	1		9						
Black/Red (Hybrid) Oak	73		13	125					
White Pine	1		8						
18	6225 - Bog	None	32.0			No	Bog between two oak ridges to the east and the west.		
19	6225 - Bog	None	6.1			No	Bog with some lowland brush growing in some areas		
22	4122 - Oak, Pine	Sawtimber Medium	34.5	130	1-50	N/A	Primarily white oak stand that was shelter wood/seed tree cut March 2009. Most of the black oak was removed. All the white pine was left. Almost all the oak stump sprouts have been eaten by the deer. Very little oak regeneration present. There seems to be a fair amount of new white pine regeneration since the harvest.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	5		12		Black/Red (Hybrid) Oak	Trace		10 - 20 feet	10 - 20 feet
White Oak	55		14	130	White Pine	Medium		Variable	Variable
Black/Red (Hybrid) Oak	10		12		Red Pine	Low		Variable	Variable
White Pine	30		9		Red Maple	Low		>20 feet	>20 feet
23	4113 - R.Maple, Conifer	Sapling Well	102.1	26	Immature	N/A	Late 1998/ early 1999 oak clearcut that failed in regenerating oak. Open areas were trenched in 2008 and planted to red pine in 2009. Stand is dominated by red maple clumps.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	64	Pole	3	26	Red Pine	Medium		5 - 10 feet	5 - 10 feet
Red Pine	20	Log	3	16					
Black/Red (Hybrid) Oak	5	Sapling	5	26					
White Pine	10		6						
White Oak	1	Pole	4						
25	4122 - Oak, Pine	Sawtimber Well	24.7	130	81-110	N/A	CROP TREE CUT IN 1963 TO RELEASE WP UNDERSTORY(old notes). Stand of old oak and white pine. Some red pine scattered and along bog edges on the north end. Heavy sub merchantable white pine in the sub canopy.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black/Red (Hybrid) Oak	50		14	130	White Pine	High		Variable	Variable
White Pine	30		9						
Red Pine	5		12						
Red Maple	5	Seedling	6						
White Oak	10		13						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
26	4310 - Pine, Oak Mix	Sawtimber Medium	21.8	130	1-50	N/A	Stand was seed tree cut in December of 2008 leaving about 10-20 BA of oak and all the pine. Some scattered stump sprout oak. White pine of variable heights and ages dominate the understory.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		35		9		White Pine		High	Variable	Variable
Black/Red (Hybrid) Oak		40		15	130	Red Maple		Low	10 - 20 feet	10 - 20 feet
White Oak		5		12		Black/Red (Hybrid) Oak		Low	10 - 20 feet	10 - 20 feet
Red Pine		15		11						
Bigtooth Aspen		5		8						
27	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	32.5	135	81-110	N/A	CROP TREE RELEASE CUT FOR WP MGMT IN 1971(old comment). Red/White oak with thick white pine understory. More white pine the further east you go with less oak and more red maple. Some young red maple clumps probably from 1971 cut, a few scattered large red pines. A few wetter areas dominated by white pine. A few hemlock on east edge along swamp. Damage to white pine would be excessive if oak was harvested now. Wait until more white pine is merchantable before entering stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		35		8		White Pine		Medium	Variable	Variable
Red Pine		2		12						
Black/Red (Hybrid) Oak		40		14	135					
White Oak		18		13						
28	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	227.8	79	51-80	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch		2	Sapling	6		Tag Alder		High	5 - 10 feet	5 - 10 feet
Black Spruce		43	Seedling	7	79					
Tamarack		40		7						
Red Maple		5	Sapling	6						
Northern White Cedar		10		8						
40	4125 - Black, N. Pin Oak	Sawtimber Well	9.1	134	81-110	N/A	A pocket of hemlock on the north swamp edge. Lots of white pine saplings and poles that would be hard to protect when harvested.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		1		12		Red Pine		Low	10 - 20 feet	10 - 20 feet
White Pine		10		7		White Pine		Medium	Variable	Variable
White Oak		5		13						
Black/Red (Hybrid) Oak		69		14	134					
Red Maple		15		8						
43	629 - Mixed non-forested Wetland	None	1.8			No	OPIC - FMD: OI Stand Year Origin was			
44	4126 - White, Black, N. Pin Oak	Sawtimber Well	18.1	130	111-140	N/A	Nice quality black and white oak stand with heavy white pine understory in places. There is a pocket in the west central part of the stand that is dominated by white pine poles.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		4		8		White Pine		Medium	Variable	Variable
Bigtooth Aspen		1		8						
Black/Red (Hybrid) Oak		67		12	130					
White Oak		23		12						
Red Maple		5		8						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
45	629 - Mixed non-forested Wetland	None	39.4			No	Mostly cattails and lowland shrub.				
46	4126 - White, Black, N. Pin Oak	Sawtimber Medium	91.2	135	1-50	N/A	Shelterwood/seed tree cut 2011. All white pine was left. All oak stump sprouts have been eaten by deer. No oak regeneration present. Some maple sprouts have made it above browse height.				
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	
White Oak		50		14	135	Red Maple		Low	10 - 20 feet	10 - 20 feet	
White Pine		25		9		White Pine		Medium	Variable	Variable	
Black/Red (Hybrid) Oak		25		13							
47	4126 - White, Black, N. Pin Oak	Sawtimber Medium	38.0	135	1-50	N/A	Stand was seed tree cut 2011. Oak wilt was present in the stand. Deer have severely impacted oak regeneration. No oak regeneration is present whatsoever. Oak stump sprouted but all were browsed. Stand is dominated by white oak saw timber. Pine is slowly seeding in.				
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	
Black/Red (Hybrid) Oak		20		13		Red Pine		Low	Variable	Variable	
White Pine		10		8		White Pine		Low	Variable	Variable	
White Oak		70		13	135						
48	6224 - Treed Bog	None	23.8			No	Lowland with upland low density conifer. Many places are learnerleaf bog.				
49	42200 - Natural White Pine	Sawtimber Well	3.0	64	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>	
White Pine		80		10	64	White Pine		Low	Variable	Variable	
White Oak		15		12							
Black/Red (Hybrid) Oak		5		12							
50	6230 - Cattail	None	49.4			No	Cattails, marsh grasses, and tag alder.				
51	6120 - Lowland Cedar	Poletimber Well	48.4	134	111-140	N/A	Variable swamp conifer stand. Areas of nice, thick cedar poletimber.				
<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>	
Northern White Cedar		70		8	134	Black Spruce		Low	Variable	Variable	
Balsam Fir		10	Seedling	6		Tag Alder		High	5 - 10 feet	5 - 10 feet	
Black Spruce		20		8		Balsam Fir		Low	Variable	Variable	
52	4130 - Aspen	Poletimber Medium	11.4	55	51-80	N/A	Small narrow stand of primarily bigtooth aspen. Some scattered oak and pine. North end is primarily low quality quaking aspen.  Possibly harvest for MA aspen goals.				
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>	
White Oak		3		16		White Pine		Medium	Variable	Variable	
Balsam Fir		5	Seedling	5		Balsam Fir		Medium	Variable	Variable	
Black/Red (Hybrid) Oak		2		12							
Quaking Aspen		20	Seedling	7							
Bigtooth Aspen		68		8	55						
Red Pine		2		12							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
53	6120 - Lowland Cedar	Poletimber Medium	15.9	113	51-80	N/A	Walked in a little bit from the south side and made an edge call.																																															
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54	42200 - Natural White Pine	Sawtimber Well	9.8	64	141-170	N/A	Very high density white pine in some areas.																																															
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55	6122 - Black Spruce	Sawtimber Well	7.2	99	81-110	N/A	Most of the white pine is in the south half of the stand. North half of the stand is mostly spruce.																																															
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56	4310 - Pine, Oak Mix	Sawtimber Well	26.9	65	111-140	N/A	Stand of old black and white oak overtopping pole timber white pine. Some white pine understory just entering small pole timber. Some patches more to oak overstory while others are heavier to white pine overstory. Some scattered red pine. Some large diameter white pine also.																																															
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57	629 - Mixed non-forested Wetland	None	82.8			No	Mixed lowland conifer seeding in.																																															
58	42200 - Natural White Pine	Poletimber Well	9.2	75	111-140	N/A	Thinned in 2020																																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>100</td><td></td><td>12</td><td>75</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	White Pine	100		12	75	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Bigtooth Aspen</td><td>Low</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Bigtooth Aspen	Low	< 5 feet	< 5 feet																														
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Bigtooth Aspen	Low	< 5 feet	< 5 feet																																																			
59	629 - Mixed non-forested Wetland	None	105.2			No	Very mixed lowland stand.																																															

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
60	4134 - Aspen, Spruce/Fir	Poletimber Well	47.2	36		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		25	Sapling	5		Black Spruce	Low	5 - 10 feet	5 - 10 feet
White Pine		5	Seedling	6		Red Maple	Medium	10 - 20 feet	10 - 20 feet
Balsam Fir		2	Sapling	6		White Pine	Low	Variable	Variable
Quaking Aspen		65	Sapling	6	36				
Red Maple		3	Sapling	6					
61	6121 - Tamarack	Poletimber Medium	16.0	64	1-50	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		5	Sapling	6		Tag Alder	High	5 - 10 feet	5 - 10 feet
Northern White Cedar		18		12		Black Spruce	Low	Variable	Variable
Red Maple		2		13					
Tamarack		62	Sapling	5	64				
Balsam Fir		3	Sapling	5					
White Pine		5		8					
Black Spruce		5		6	64				
62	4319 - Mixed Upland Forest	Sawtimber Medium	70.4	79	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		20		12	79	Red Maple	Low	Variable	Variable
Paper Birch		2		8		Balsam Fir	Medium	Variable	Variable
Bigtooth Aspen		15		12		White Pine	Medium	Variable	Variable
Red Pine		10		12		Black Spruce	Low	Variable	Variable
Black Spruce		10	Seedling	6					
Quaking Aspen		10		8					
Balsam Fir		5		8					
White Pine		28		12	79				
63	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	19.0	79	81-110	N/A			
64	6223 - Inundated Shrub Swamp	None	10.0			No	Wet tag alder with some white pine and red maple		
65	4311 - Pine, Aspen Mix	Sapling Well	11.9	15	Immature	N/A	Cut summer of 2010. Scattered red pine super canopy . Aspen found in pockets. Stand was trenched 2011 and planted 2012. Large raptor nest in a red pine snag.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>				
Red Maple		2	Log	2					
Jack Pine		1	Log	2					
Pin Cherry		2	Log	2					
Quaking Aspen		55	Log	2	15				
Red Pine		40	Log	2	13				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
66	3303 - Mixed Low Density Trees	None	5.8			Yes	Maintained opening R15																																																															
68	6225 - Bog	None	8.4			No	Bog with some scattered sapling conifers.																																																															
69	42210 - Natural Red Pine	Sawtimber Well	1.6	77	171-200	N/A	THINNED IN 2010																																																															
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Red Pine	90		11	77	Quaking Aspen	Low	10 - 20 feet	10 - 20 feet																																																														
White Pine	10		10																																																																			
71	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	5.8	134	81-110	N/A	Mixed oak/pine stand.																																																															
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72	6127 - Lowland Pine	Sawtimber Well	7.9	104	81-110	N/A																																																																
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Black/Red (Hybrid) Oak	3		12																																																																			
73	4191 - Mixed Upland Deciduous with Conifer	Poletimber Poor	47.5	35	1-50	N/A	Scattered cherry, red maple, white pine, and a few aspen clones. Looks like it burned in a fire years ago.																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
74	4122 - Oak, Pine	Sawtimber Well	4.7	129	81-110	N/A	Mixed oak stand with red maple and white pine. Scattered red pine and red pine in clumps.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Oak	3		15		Red Maple	Low		10 - 20 feet	10 - 20 feet
Red Maple	7		9		White Pine	High		10 - 20 feet	10 - 20 feet
White Pine	25		10						
Black/Red (Hybrid) Oak	60		14	129					
Red Pine	5		12						
75	42200 - Natural White Pine	Poletimber Well	12.1	64	111-140	N/A	Western finger is a transition to lowland and has spruce and red pine in it, along with thicker spruce, understory.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black/Red (Hybrid) Oak	1		14		White Pine	Low		Variable	Variable
Quaking Aspen	3	Seedling	7		Black Spruce	Low		Variable	Variable
Black Spruce	5		8						
White Pine	85		10	64					
Red Pine	5		12						
Jack Pine	1		9						
76	4130 - Aspen	Poletimber Well	18.4	65	81-110	N/A	Only access is across St. Helen Shooting club property or from private to the north.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	1		12		White Pine	Medium		10 - 20 feet	10 - 20 feet
Red Maple	5		10		White Pine	Trace		>20 feet	>20 feet
Quaking Aspen	5	Seedling	7		Black Cherry	Low		Variable	Variable
White Oak	5		13						
Bigtooth Aspen	74		8	65					
Black/Red (Hybrid) Oak	5		14						
White Pine	5	Seedling	8						
77	42210 - Natural Red Pine	Sawtimber Well	3.5	114	111-140	N/A			
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black/Red (Hybrid) Oak	3		12		White Pine	Medium		Variable	Variable
Black Spruce	2	Seedling	7		Black Spruce	Low		Variable	Variable
White Pine	2		10		Red Pine	Low		Variable	Variable
Red Pine	93		13	114					
78	6225 - Bog	None	6.9			No			
79	42120 - Planted Jack Pine	Poletimber Well	68.3	32	1-50	N/A	Walked into the northwest corner of the stand. Variable density pole/sap jack pine. Cut December 1988 and January 1989. FTP to plant jack pine in 1993.		
Canopy Species	% Cover	Size Class	DBH	Age					
Jack Pine	98	Sapling	5	32					
Black Spruce	2	Sapling	5						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
80	6225 - Bog	None	2.6			No																																																							
81	6225 - Bog	None	1.0			No																																																							
82	42110 - Planted Red Pine	Sapling Well	25.0	13	Immature	N/A	Cut summer 2010. Trenched 2011 and planted 2012.																																																						
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83	4130 - Aspen	Sapling Poor	18.1	5	Immature	N/A	High end of canopy coverage percentage range but still has some filling in to do.																																																						
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84	6122 - Black Spruce	Poletimber Well	20.5	119	81-110	N/A																																																							
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86	6225 - Bog	None	1.3			No	small bog with some spruce and jack pine along edges.																																																						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																
87	6122 - Black Spruce	Poletimber Well	19.3	84	81-110	N/A																																																																	
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89	4130 - Aspen	Sapling Well	8.5	15	Immature	N/A	Cut summer of 2010																																																																
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91	3303 - Mixed Low Density Trees	None	8.3			Yes	Wildlife opening with scattered log sized trees.																																																																
92	4130 - Aspen	Poletimber Well	82.2	35	1-50	N/A	Mixed aspen stand just entering pole timber class. Some scattered fir and white pine.																																																																
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93	6122 - Black Spruce	Poletimber Well	54.5	115	81-110	N/A																																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
94	4199 - Other Mixed Upland Deciduous	Sapling Poor	32.9	4	Immature	N/A	Natural jack pine stand with some maple and fir that was cut. Old stand notes say to plant jackpine, but that has not been done. Plant red pine instead.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Maple		15	Log	1	4				
Black/Red (Hybrid) Oak		1	Log	1					
Jack Pine		5	Log	1					
Quaking Aspen		10	Log	1	4				
Pin Cherry		59	Log	1	4				
Bigtooth Aspen		5	Log	1	4				
Black Spruce		5	Log	2					
95	4130 - Aspen	Sapling Well	34.4	4	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Red Maple		5	Log	1					
Quaking Aspen		49	Log	1	4				
White Pine		1	Log	2					
Bigtooth Aspen		40	Log	1	4				
Pin Cherry		5	Log	1					
96	42210 - Natural Red Pine	Sawtimber Well	5.4	75	111-140	N/A	Small stand of natural red pine with white pine.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		78		13	75	White Pine	Low	Variable	Variable
Bigtooth Aspen		5	Seedling	7		Balsam Fir	Low	Variable	Variable
Red Maple		5		8		Black Spruce	Low	Variable	Variable
White Pine		12		13					
97	4130 - Aspen	Poletimber Well	29.6	64	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak		1		15		White Pine	Medium	Variable	Variable
Black/Red (Hybrid) Oak		8		13		Balsam Fir	Low	Variable	Variable
Red Maple		3		8		Pin Cherry	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		70		8	64				
Northern White Cedar		1		12					
White Pine		15		10					
Red Pine		1		10					
Jack Pine		1		12					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																										
98	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	26.2	115	51-80	N/A	Low density oak stand with some pine, maple and a few pockets of pole timber aspen. Open areas are dominated by oak, jack pine and cherry brush.																																																										
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100	42140 - Planted Mixed Pine	Sapling Well	44.1	16	Immature	N/A	Red pine plantation with lots of natural jack pine seeded in and some deciduous competition. A few scattered log/xlog oak left from harvest. Trenched 2008, planted 2009.																																																										
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101	42120 - Planted Jack Pine	Poletimber Well	46.0	33	Immature	N/A	FTP for planting in 1992, but appears that it could have been seeded. Very high density. Starting to self thin.																																																										
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102	42110 - Planted Red Pine	Sapling Well	9.2	16	Immature	N/A	Planted red pine stand. Trenched 2008, planted 2009. Scattered pole/log size jack and white pine scattered about. Heavy cherry brush component.																																																										
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103	42120 - Planted Jack Pine	Sapling Well	7.9	16	Immature	N/A	Trenched 2008, planted 2009. Scattered pole/log size jack and white pine. Heavy cherry brush component.																																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
104	42200 - Natural White Pine	Sawtimber Well	5.7	52	111-140	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		5		8		White Pine	Medium	Variable	Variable
Black/Red (Hybrid) Oak		2		8					
White Pine		65		12	52				
Bigtooth Aspen		5		12					
Red Pine		23		13					
105	42210 - Natural Red Pine	Sawtimber Well	10.6	115	81-110	N/A	Stand of red and white pine. Looks like some hardwoods have been removed in the past. East side has high water table with bog type ground cover.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		1	Seedling	7		White Pine	Low	Variable	Variable
White Pine		34		14		Pin Cherry	Low	5 - 10 feet	5 - 10 feet
Red Pine		65		14	115	Balsam Fir	Low	Variable	Variable
106	42290 - Natural Mixed Pine	Sapling Well	10.2	17	1-50	N/A	Stand was cut spring 2008 with mature white pine and oak left scattered about. Stand naturally regenerated to jack pine well.		
Canopy Species		% Cover	Size Class	DBH	Age				
White Pine		20		12					
Red Pine		1		12					
Black/Red (Hybrid) Oak		5		12					
White Pine		5	Log	2					
Pin Cherry		5	Log	1					
Black/Red (Hybrid) Oak		4	Log	2	17				
Jack Pine		50	Log	2	17				
Bigtooth Aspen		10	Log	3	17				
107	42290 - Natural Mixed Pine	Sawtimber Well	60.4	65	111-140	N/A	White and red pine stand with some oak and red maple mixed in. Some scattered aspen found mostly on south end. Some balsam fir and black spruce along swamp edges.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		3		9		Balsam Fir	Low	Variable	Variable
Black Spruce		1	Seedling	7		Red Maple	Low	10 - 20 feet	10 - 20 feet
Balsam Fir		2	Seedling	7		White Pine	Medium	Variable	Variable
Red Pine		26		11		Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
White Pine		49		10	65				
Bigtooth Aspen		3		12					
Red Maple		8		8					
Black/Red (Hybrid) Oak		8		13					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
108	6120 - Lowland Cedar	Poletimber Well	19.7	115	Unspecified	N/A																																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Northern White Cedar</td><td>92</td><td></td><td>8</td><td>115</td></tr><tr><td>Red Maple</td><td>1</td><td></td><td>10</td><td></td></tr><tr><td>Black Spruce</td><td>5</td><td></td><td>10</td><td></td></tr><tr><td>Paper Birch</td><td>1</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>White Pine</td><td>1</td><td></td><td>14</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	92		8	115	Red Maple	1		10		Black Spruce	5		10		Paper Birch	1	Seedling	7		White Pine	1		14		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	5 - 10 feet	5 - 10 feet														
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110	42200 - Natural White Pine	Sawtimber Well	4.5	115	111-140	N/A																																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>30</td><td></td><td>10</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>7</td><td></td><td>14</td><td></td></tr><tr><td>White Pine</td><td>63</td><td></td><td>10</td><td>115</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	30		10		Black/Red (Hybrid) Oak	7		14		White Pine	63		10	115	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Variable																								
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111	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	10.4	16	Immature	N/A																																																				
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112	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	22.1	16	Immature	N/A	Natural jack pine with hardwood competition. Previously cut in 2009. Left jack pine tops as seed source.																																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Pin Cherry</td><td>20</td><td>Log</td><td>2</td><td>16</td></tr><tr><td>Red Maple</td><td>30</td><td>Log</td><td>2</td><td>16</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>10</td><td>Log</td><td>2</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>Pole</td><td>3</td><td></td></tr><tr><td>Jack Pine</td><td>35</td><td>Log</td><td>2</td><td>16</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Pin Cherry	20	Log	2	16	Red Maple	30	Log	2	16	Black/Red (Hybrid) Oak	10	Log	2		White Pine	5	Pole	3		Jack Pine	35	Log	2	16																										
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113	42290 - Natural Mixed Pine	Poletimber Medium	6.4	40	1-50	N/A	Low density open grown white pine stand. Some areas of jack pine. Pockets of log white pine along lowland edge.																																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Tamarack</td><td>5</td><td>Pole</td><td>4</td><td></td></tr><tr><td>Red Maple</td><td>1</td><td>Pole</td><td>4</td><td></td></tr><tr><td>Jack Pine</td><td>30</td><td>Sapling</td><td>5</td><td></td></tr><tr><td>Black Spruce</td><td>5</td><td>Sapling</td><td>5</td><td></td></tr><tr><td>Quaking Aspen</td><td>4</td><td>Pole</td><td>3</td><td></td></tr><tr><td>White Pine</td><td>50</td><td></td><td>7</td><td>40</td></tr><tr><td>Balsam Fir</td><td>5</td><td>Sapling</td><td>5</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Tamarack	5	Pole	4		Red Maple	1	Pole	4		Jack Pine	30	Sapling	5		Black Spruce	5	Sapling	5		Quaking Aspen	4	Pole	3		White Pine	50		7	40	Balsam Fir	5	Sapling	5		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Pin Cherry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Pin Cherry	Low	5 - 10 feet	5 - 10 feet	Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
114	4131 - Aspen, Oak	Poletimber Well	46.4	64	81-110	N/A	Stand of low quality bigtooth aspen mixed with a older age class of mixed oak sawtimber. Some scattered pine. High ampunt of oak regen in the understory.																																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Oak</td><td>10</td><td></td><td>13</td><td></td></tr><tr><td>Red Pine</td><td>3</td><td></td><td>12</td><td></td></tr><tr><td>Red Maple</td><td>5</td><td></td><td>8</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>30</td><td></td><td>13</td><td>115</td></tr><tr><td>Bigtooth Aspen</td><td>45</td><td>Seedling</td><td>7</td><td>64</td></tr><tr><td>White Pine</td><td>7</td><td></td><td>10</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		White Oak	10		13		Red Pine	3		12		Red Maple	5		8		Black/Red (Hybrid) Oak	30		13	115	Bigtooth Aspen	45	Seedling	7	64	White Pine	7		10		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Oak</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	Variable	Variable	Black/Red (Hybrid) Oak	High	5 - 10 feet	5 - 10 feet	White Oak	Medium	5 - 10 feet	5 - 10 feet	White Pine	Low	Variable	Variable
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115	6120 - Lowland Cedar	Poletimber Well	55.6	112	51-80	N/A																																																					
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116	6224 - Treed Bog	None	146.2			No																																																					
117	4310 - Pine, Oak Mix	Sawtimber Well	5.5	65	51-80	N/A	Stand was thinned/shelterwood cut 2009.																																																				
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120	42210 - Natural Red Pine	Sawtimber Well	3.2	120	171-200	N/A	Small stand of natural red and white pine.																																																				
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Red Maple	Low	>20 feet	>20 feet																																																								
121	3302 - Low Density Conifer Trees	None	29.7			No	This stand could probably be considered forested by some standards with a lot of conifer seeding in over the years, but overall I'm calling it 25% canopy coverage.																																																				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																					
122	42290 - Natural Mixed Pine	Sawtimber Well	14.5	115	111-140	N/A	Black spruce picks up on the transition into lowland.																																																																					
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124	42200 - Natural White Pine	Sawtimber Well	43.1	80	111-140	N/A	Variable density stand of white pine mixed with some quaking aspen and red pine. Red pine is found scattered and in small pockets.																																																																					
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125	42350 - Upland Hemlock	Poletimber Well	1.7	120	171-200	N/A																																																																						
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126	42210 - Natural Red Pine	Sawtimber Well	2.8	115	141-170	N/A																																																																						
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127	4319 - Mixed Upland Forest	Poletimber Well	45.7	55	81-110	N/A	Stand of quaking aspen mixed with mainly balsam fir and white pine. Better aspen on north edge of stand. Low density aspen mixed with oak brush and weviled white pine along and south of Geels rd. There are large pockets of blow down, mostly in aspen and balsam fir on the north end of the stand, that is regenerating naturally. Stand is at low end of canopy coverage range.																																																																					
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>40</td><td>Seedling</td><td>8</td><td>55</td></tr><tr><td>Red Pine</td><td>2</td><td></td><td>12</td><td></td></tr><tr><td>Balsam Fir</td><td>30</td><td>Sapling</td><td>7</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>5</td><td></td><td>7</td><td></td></tr><tr><td>Black Spruce</td><td>5</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>Red Maple</td><td>1</td><td>Sapling</td><td>6</td><td></td></tr><tr><td>Jack Pine</td><td>3</td><td></td><td>7</td><td></td></tr><tr><td>White Pine</td><td>14</td><td></td><td>9</td><td></td></tr></table>					Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	40	Seedling	8	55	Red Pine	2		12		Balsam Fir	30	Sapling	7		Black/Red (Hybrid) Oak	5		7		Black Spruce	5	Seedling	7		Red Maple	1	Sapling	6		Jack Pine	3		7		White Pine	14		9		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black/Red (Hybrid) Oak</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Quaking Aspen</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Pin Cherry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Black/Red (Hybrid) Oak	Low	Variable	Variable	Quaking Aspen	Low	5 - 10 feet	5 - 10 feet	Pin Cherry	Low	5 - 10 feet	5 - 10 feet	Balsam Fir	Medium	Variable	Variable	White Pine	Low	Variable	Variable
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09/04/2025 1:41:39 PM - Page 18 of 21

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
145	42220 - Natural Jack Pine	Sawtimber Well	5.6	73	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>
White Pine		3		12		Pin Cherry	Low	Variable	Variable
Red Maple		3	Seedling	6		Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
Quaking Aspen		3	Seedling	7		Red Maple	Low	10 - 20 feet	10 - 20 feet
Red Pine		2		14		White Pine	Low	Variable	Variable
Jack Pine		89		11	73				
146	6122 - Black Spruce	Poletimber Well	30.2	115	51-80	N/A	Lowland black spruce amd jack pine stand. Leather leaf ground cover. Possible old railroad runs N & S through stand.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Tamarack		2	Sapling	5		Leatherleaf	Full	5 - 10 feet	5 - 10 feet
Jack Pine		45	Sapling	5	115	Black Spruce	Low	< 5 feet	< 5 feet
Black Spruce		53	Sapling	6	115	Balsam Fir	Low	< 5 feet	< 5 feet
148	4310 - Pine, Oak Mix	Sapling Well	15.3	16	Immature	N/A	Stand was cut in 2009. Jack pine tops were left for natural regeneration. Appears to be working well. Some pockets of mature retention.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>				
Quaking Aspen		20	Log	2					
Jack Pine		50	Log	2	16				
Black/Red (Hybrid) Oak		20	Log	1					
Red Maple		10	Log	2					
149	4125 - Black, N. Pin Oak	Sawtimber Medium	4.1	70	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>
Jack Pine		5	Seedling	6		Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak		75		11	70	Pin Cherry	Low	5 - 10 feet	5 - 10 feet
Red Maple		10		8					
Quaking Aspen		5	Seedling	6					
White Oak		5		11					
150	3302 - Low Density Conifer Trees	None	1.4			No	Part of an old borrow pit area with exposed sand ground cover with patches of hack pine seeded in.		
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>					
Jack Pine		Medium	Variable	Variable					
151	42120 - Planted Jack Pine	Poletimber Well	1.3	47	81-110	N/A	Looks to be part of an old borrow pit that was planted or seeded to jack pine.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>				
Jack Pine		100	Sapling	6	47				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
152	42120 - Planted Jack Pine	Sapling Well	30.8	33	Immature	N/A	Dense jack pine stand that has an FTP to be planted in 1992, but appears that it could have been seeded. There is a small lowland area in the south-central part of the stand with leatherleaf ground cover and some spruce and jack pine.																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Jack Pine</td><td>96</td><td>Sapling</td><td>5</td><td>33</td></tr><tr><td>Black Spruce</td><td>3</td><td>Sapling</td><td>5</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>1</td><td>Pole</td><td>4</td><td>33</td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	Jack Pine	96	Sapling	5	33	Black Spruce	3	Sapling	5		Black/Red (Hybrid) Oak	1	Pole	4	33	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Pin Cherry</td><td>Trace</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>White Oak</td><td>Trace</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Leatherleaf</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Pin Cherry	Trace	10 - 20 feet	10 - 20 feet	White Oak	Trace	10 - 20 feet	10 - 20 feet	Leatherleaf	Low	5 - 10 feet	5 - 10 feet	Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet				
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154	6225 - Bog	None	2.1			No																																												
155	4126 - White, Black, N. Pin Oak	Sawtimber Poor	19.4	115	51-80	N/A	Stand was shelterwood/seed tree cut fall 2010. Stand has pockets of aspen saplings along with scattered oak and maple regenerating in the understory.																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Oak</td><td>25</td><td></td><td>14</td><td></td></tr><tr><td>White Pine</td><td>10</td><td></td><td>10</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>65</td><td></td><td>15</td><td>115</td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	White Oak	25		14		White Pine	10		10		Black/Red (Hybrid) Oak	65		15	115	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Quaking Aspen</td><td>Medium</td><td>&gt;20 feet</td><td>&gt;20 feet</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>White Oak</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	Medium	>20 feet	>20 feet	Black/Red (Hybrid) Oak	Medium	5 - 10 feet	5 - 10 feet	Red Maple	Medium	10 - 20 feet	10 - 20 feet	White Oak	Low	5 - 10 feet	5 - 10 feet	White Pine	Low	Variable	Variable
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White Pine	Low	Variable	Variable																																															
156	4130 - Aspen	Sapling Well	76.1	4	Immature	N/A	Some water areas did not regenerate very well. Stand includes a mature retention island from previous harvest.																																											
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157	6220 - Alder/Willow	None	2.5			No																																												
158	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	20.1	85	81-110	N/A	Stand of red maple and balsam fir. Quaking aspen pole timber scattered throughout. A few older rotten aspen found. Wet areas are dominated by balsam fir , cedar and dead ash.																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Northern White Cedar</td><td>5</td><td></td><td>9</td><td></td></tr><tr><td>Paper Birch</td><td>5</td><td></td><td>8</td><td></td></tr><tr><td>Quaking Aspen</td><td>25</td><td></td><td>8</td><td></td></tr><tr><td>Red Maple</td><td>50</td><td></td><td>9</td><td>85</td></tr><tr><td>Balsam Fir</td><td>15</td><td>Seedling</td><td>7</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	Northern White Cedar	5		9		Paper Birch	5		8		Quaking Aspen	25		8		Red Maple	50		9	85	Balsam Fir	15	Seedling	7		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Tag Alder</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>High</td><td>Variable</td><td>Variable</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Low	5 - 10 feet	5 - 10 feet	Balsam Fir	High	Variable	Variable		
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159	4130 - Aspen	Sapling Medium	21.2	4	Immature	N/A	Cut in the winter of 2021. Stand includes a retention island from previous harvest.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
160	629 - Mixed non-forested Wetland	None	18.4			No	South Branch of the AuSable River runs through this stand. Mostly grasses with tag alder			
161	4133 - Aspen, Mixed Pine	Poletimber Well	57.0	60	81-110	N/A	Mixed aspen pole timber stand with scattered sawtimber oak and pine mixed in. Narrow swale on SW end of stand that drains into the South Branch. Small opening with ORV damage and old borrow pit planted with jack pine. Stand is healthy and in good shape.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		5		8		Black/Red (Hybrid) Oak		Low	10 - 20 feet	10 - 20 feet
White Oak		1		15		Red Maple		Low	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak		20		12		White Pine		Medium	Variable	Variable
Bigtooth Aspen		38		8	60	Balsam Fir		Low	Variable	Variable
Quaking Aspen		15	Seedling	8						
Jack Pine		2	Seedling	8						
White Pine		15		11						
Red Pine		4		13						
163	3303 - Mixed Low Density Trees	None	3.4			Yes				