



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71034

Entry Year 2027

Acreage: 3,830

County: Roscommon

Management Area: High Sand Plains

Stand Examiner: Dakota Ewald

Legal Description:

T24N R02W Sections 3, 4, 5, 9, 10, 15, 16, 17, 21, 22, and 23.

Identified Planning Goals:

High Sand Plains management plan.

Soil and topography:

Topography is generally flat with some rolling terrain in the South end of the compartment. Large wetland areas both forested and non forested. Soils range from Grayling Sands on the uplands to Tawas-Lupton Mucks on the lowlands

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

This compartment lies just to the east of the Village of Roscommon and is intermixed with state and private landholdings.

Unique Natural Features:

The South Branch of the AuSable River flows through the North of the compartment.

Archeological, Historical, and Cultural Features:

There is an archaeological feature within section 15.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

The South Branch of the Ausable river flows through the center of the compartment, along with several creeks that branch off from it. There are also multiple large wetland complexes surrounded by swampy low ground.

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. An active sand/gravel operation exists two miles west and one less than one mile north. The best potential for development of sand & gravel resources within the compartment is on the uplands in the south end of the compartment. The nearest hydrocarbon production, past or present, is roughly two miles east. 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. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Access to much of the compartment is good using county roads and state forest roads. The central portion of the compartment that is dominated by wetland and low ground types has limited to no access.

Survey Needs:

None required at the time of inventory.

Recreational Facilities and Opportunities:

The Tisdale walking/ski trail is contained within the North portion of the compartment. The snowmobile trail runs through the South end of the compartment.

Fire Protection:

Additional Compartment Information:

The following reports from the Inventory are attached:

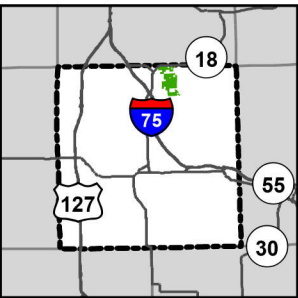
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

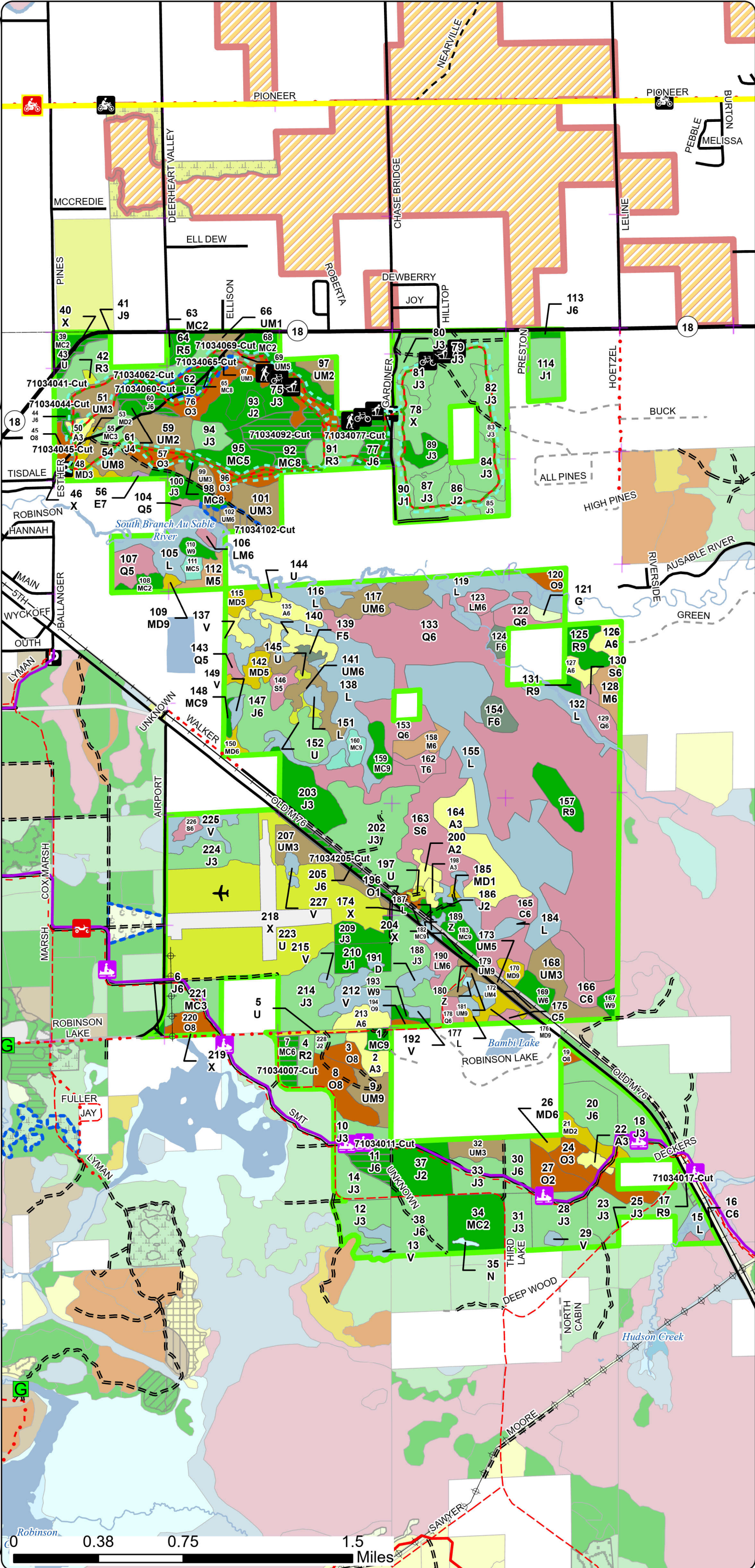
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 71034
T24N, R02W, Sec. 2-5, 9, 10, 15, 16, 21-23
County: Roscommon
Unit: Roscommon
Mgmt. Area: High Sand Plains
YOE: 2027
Acres: 3,829.69 GIS Calculated
Examiner: Dakota Ewald
Date Exported: 6/10/2025
Map Phase: Web Post

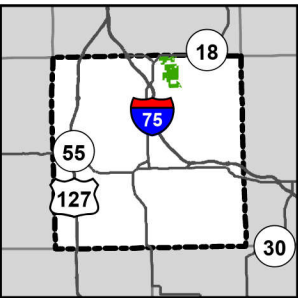


- Remonumented Section Corners
- Airport
- Gate
- Parking Lot
- Designated Bicycle Trails
- Designated Hiking Pathways
- Designated ORV Routes
- Designated ATV Trails
- Designated MCCCT Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
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- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Shelterwood
- Thinning
- Overstory Removal
- Clearcut
- Seed Tree
- Shelterwood
- Thinning
- Prescribed Burn
- Openings Mgmt.
- Monitoring - Regeneration
- Other Treatments - See Comments
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 121 - Airport
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland

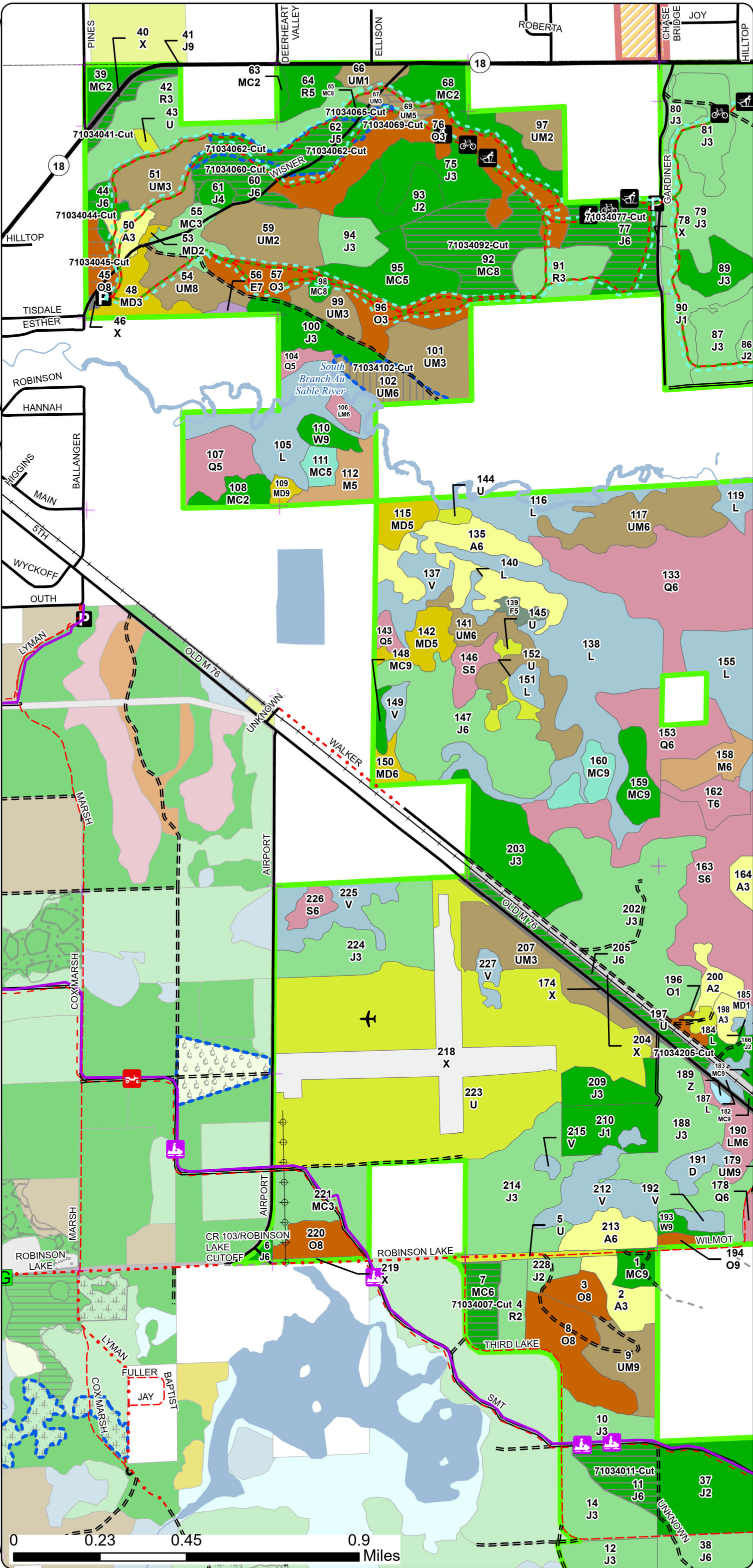


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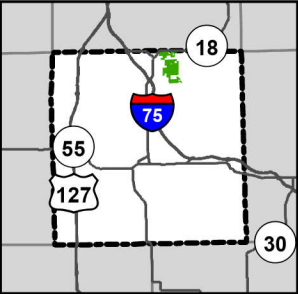


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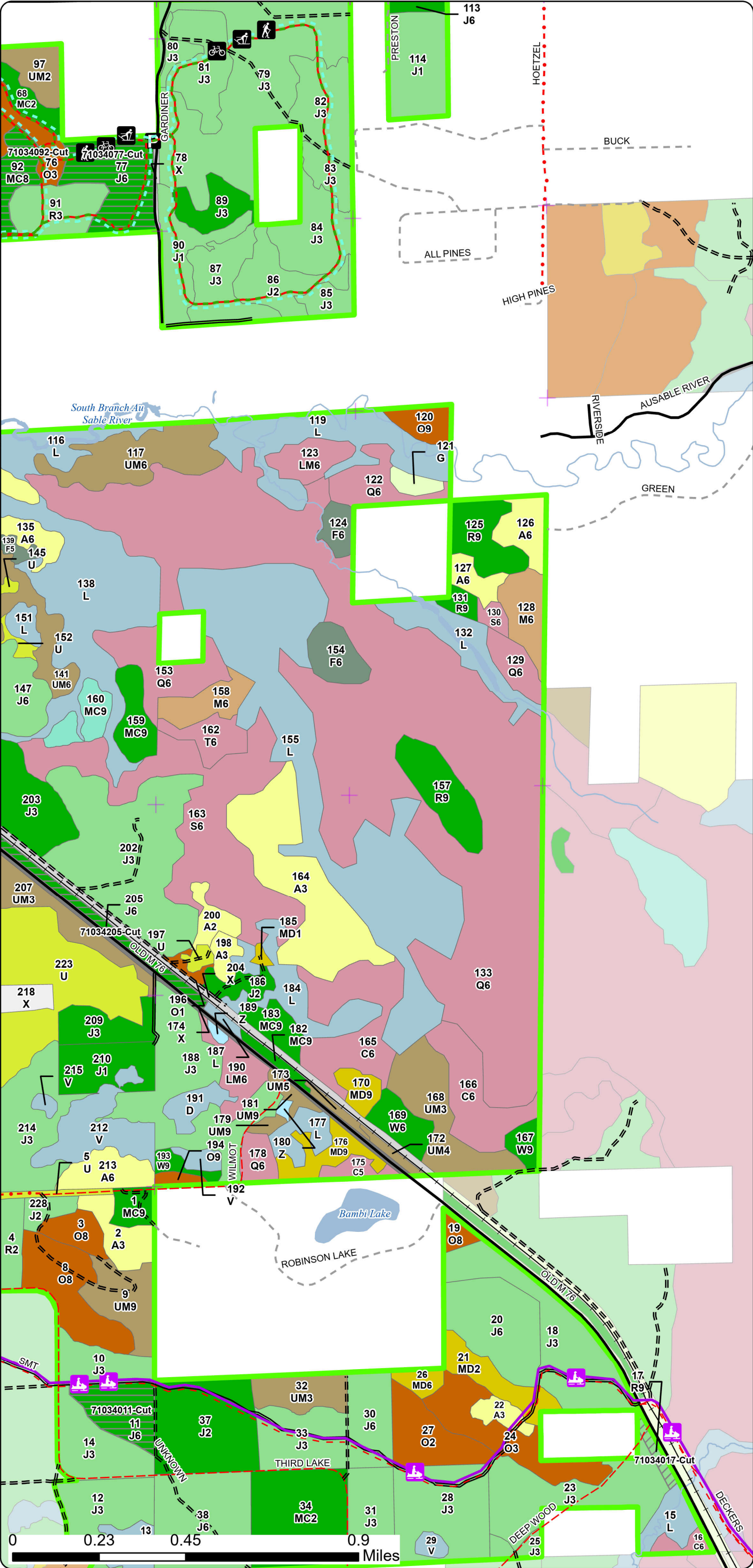


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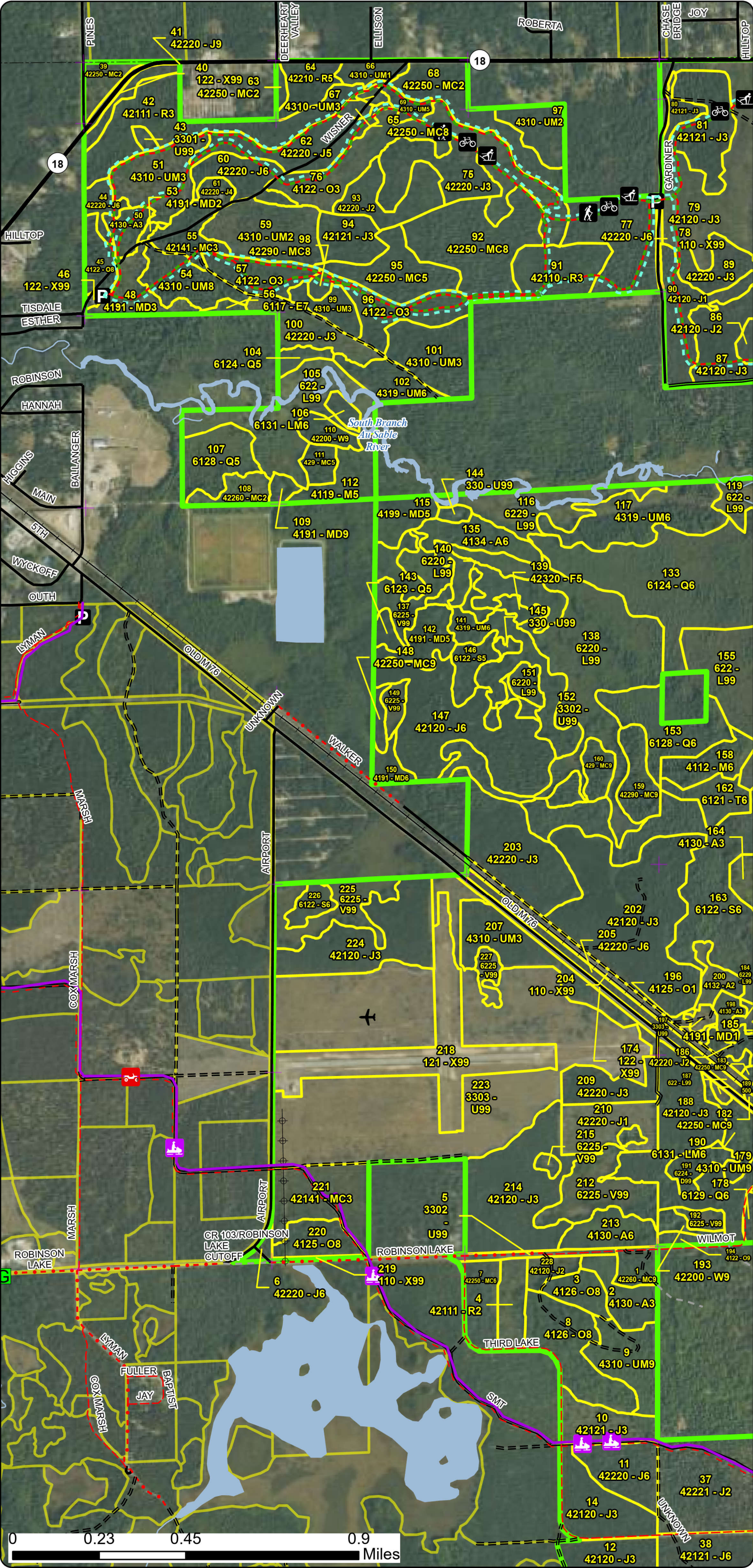
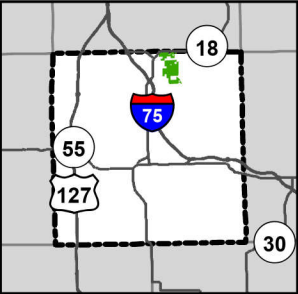


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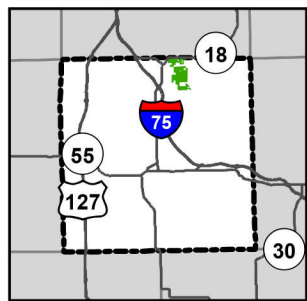



















Stand Boundary Map

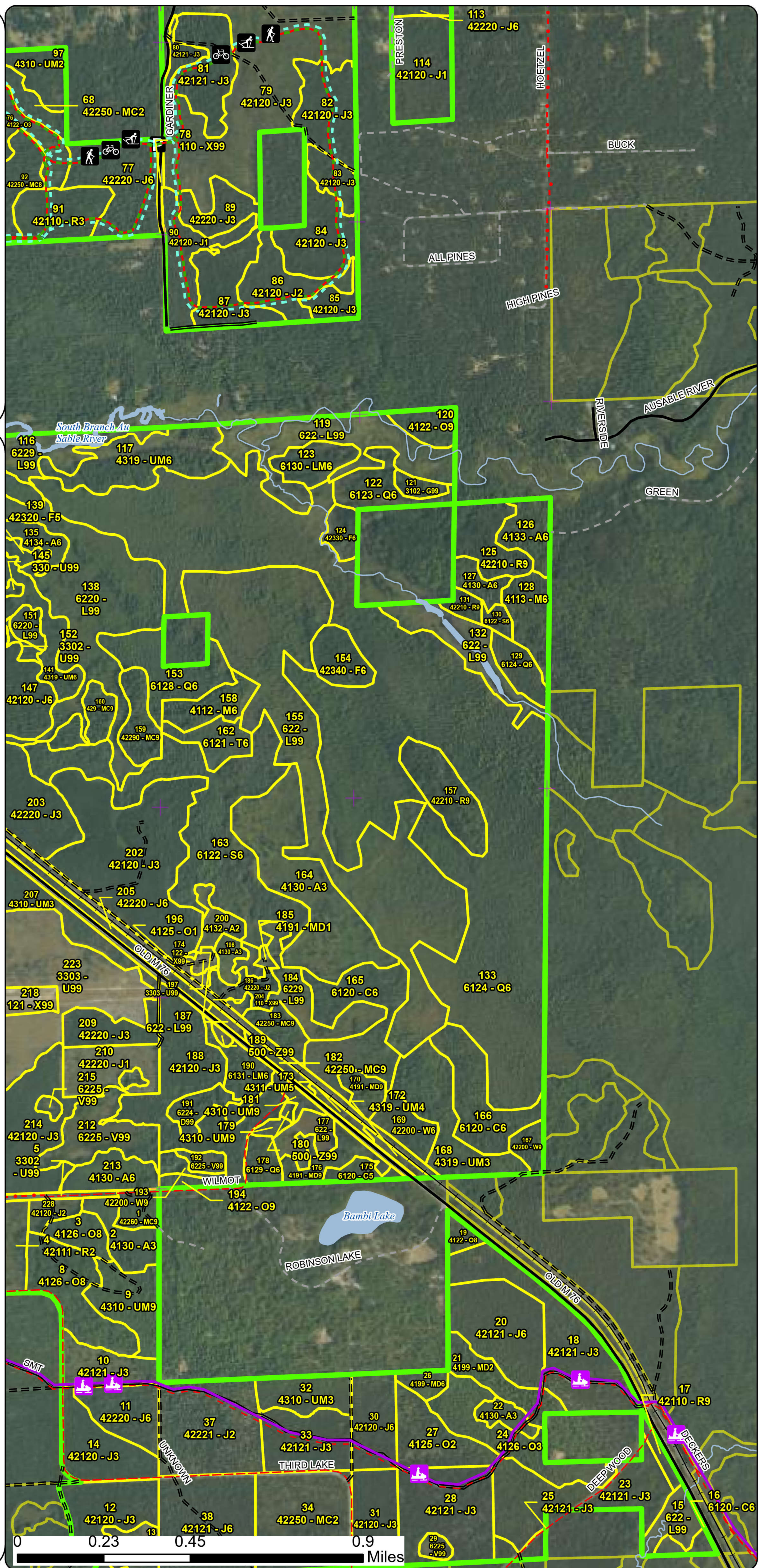
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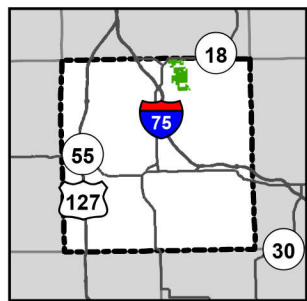
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





















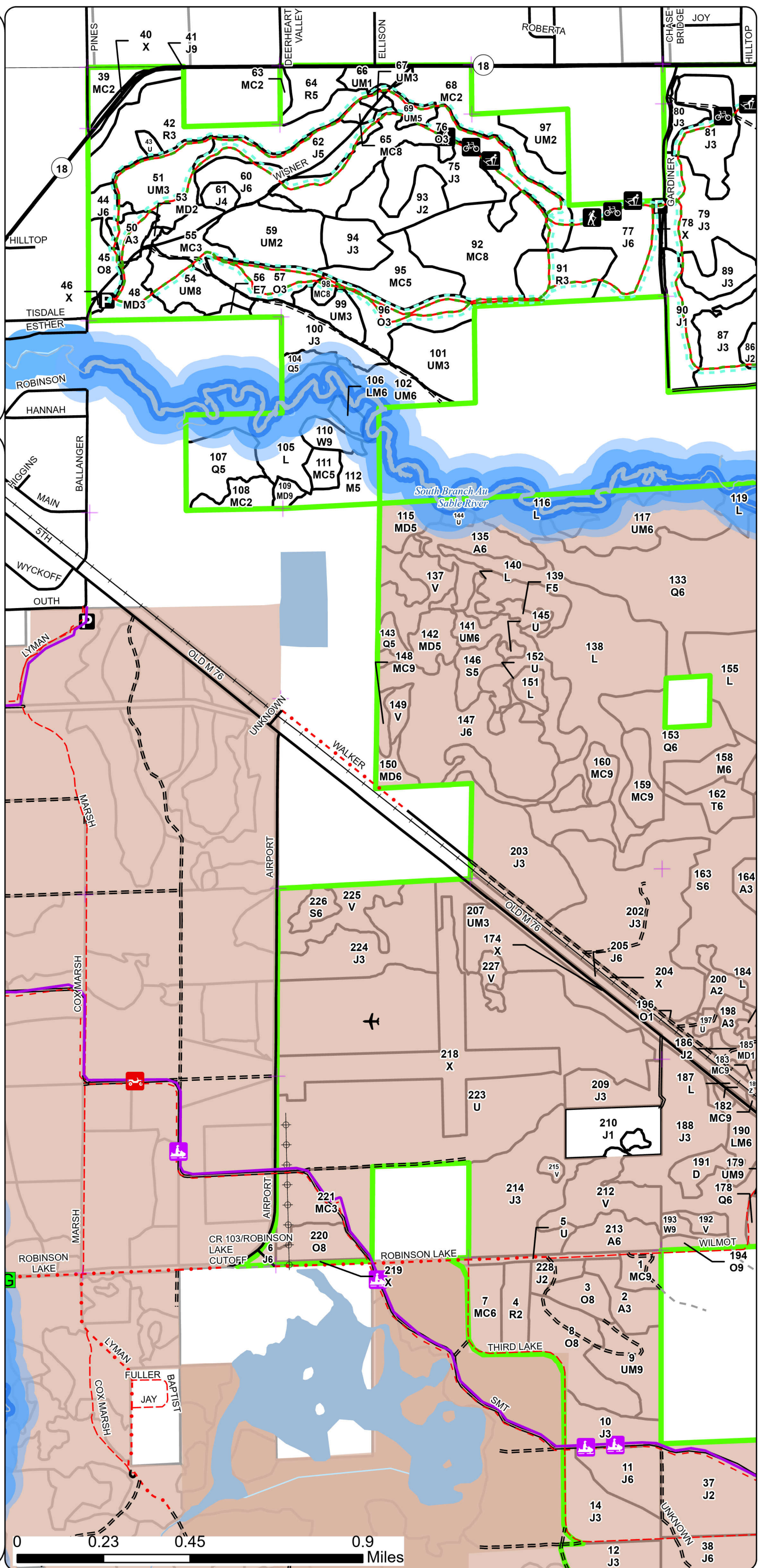
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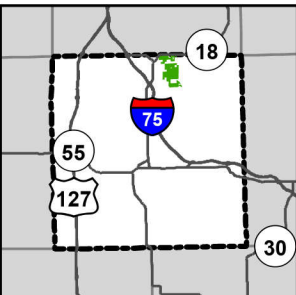


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-  Natural Rivers Zoning District
-  Cold Water Streams
-  High Priority Trout Stream Buffer
-  Research, Development, and Military Lands
-  Wildlife Research Areas

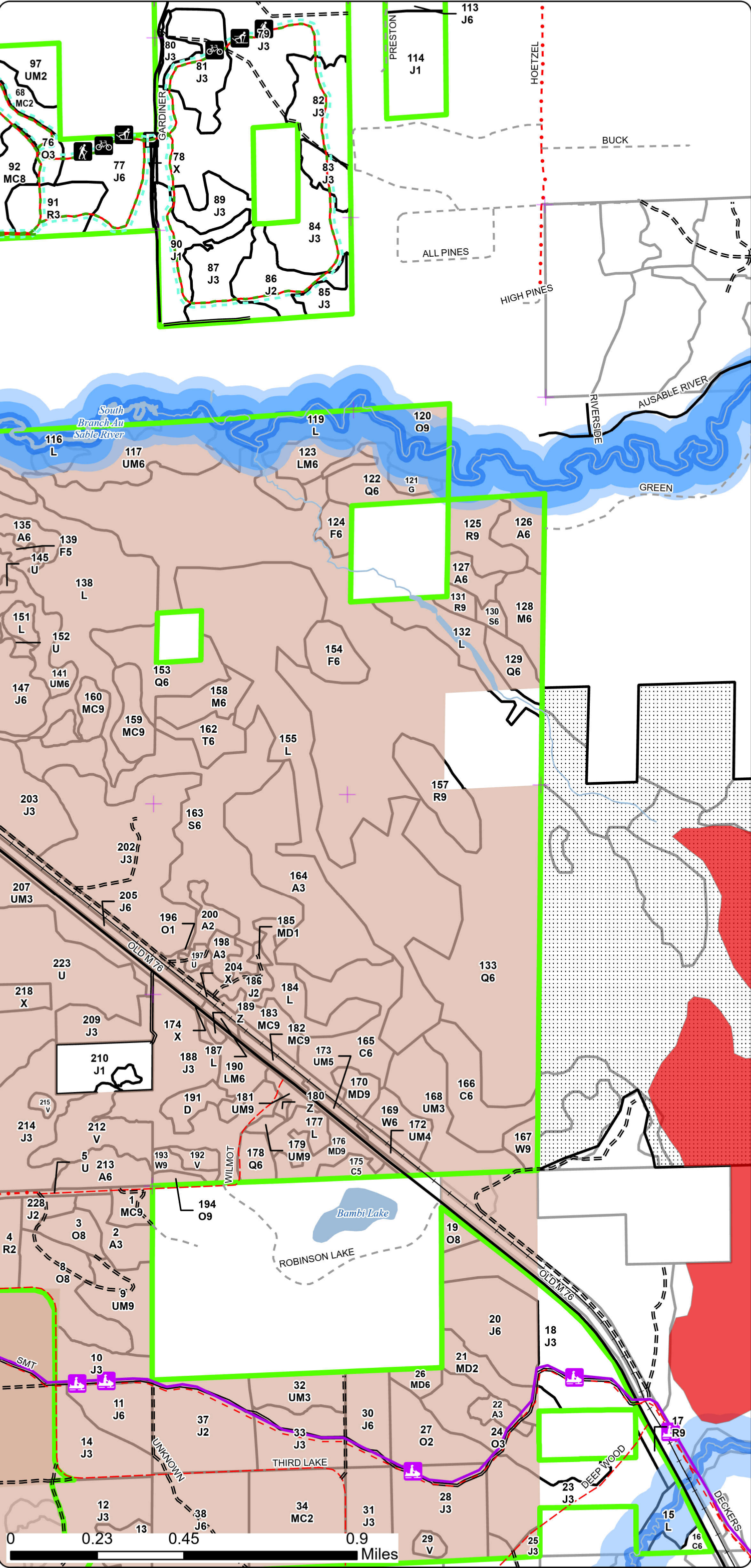


Special Conservation Areas
& Site Conditions Map

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- Stand Boundaries
- Ecological Reference Areas
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Research, Development, and Military Lands
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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	74	6	25	37	0	0	0	19	0	0	0	0	0	0	0	0	161
Bog	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84
Cedar	0	0	0	0	0	0	0	0	0	0	0	5	61	0	4	0	0	0	70
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Jack Pine	0	123	91	245	411	190	17	0	45	11	34	0	0	0	0	0	0	2	1169
Low-Density Trees	221	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	221
Lowland Conifers	0	0	0	0	0	0	22	0	24	0	4	23	7	362	0	0	0	0	442
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
Lowland Mixed Forest	0	0	0	0	0	0	0	0	23	0	0	3	0	0	0	0	0	0	26
Lowland Shrub	406	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	406
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	81	8	0	0	0	0	0	0	0	9	98
Marsh	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Mixed Upland Deciduous	0	0	15	15	0	12	0	0	0	0	5	35	0	0	0	0	0	0	82
Natural Mixed Pines	0	0	57	24	0	0	0	0	0	23	54	24	0	0	0	12	0	0	194
Northern Hardwood	0	0	0	0	0	0	0	0	27	0	0	13	0	0	0	0	0	0	40
Oak	0	0	79	47	0	0	0	0	0	0	8	56	7	0	0	0	0	0	194
Planted Mixed Pines	0	0	27	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Red Pine	0	0	69	0	0	0	0	11	4	42	0	0	0	0	0	0	0	0	126
Tamarack	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	11
Treed Bog	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	15
Upland Mixed Forest	0	0	50	75	14	56	0	0	6	5	16	62	6	0	0	0	0	0	289
Upland Spruce/Fir	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	7	22
Urban	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
White Pine	0	0	0	0	0	0	10	0	0	0	0	6	6	4	0	0	0	0	26
Total	824	123	462	424	450	310	49	11	221	108	121	242	89	366	4	12	0	18	3830



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 34
Total Compartment Acres: 3,830

Commercial Harvest - 242
Harvests with Site Condition - 42
Next Step Harvest - 0
Habitat Cut - 40

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Jack Pine	98	0	0	0	0	0	6	0	0	104
Natural Mixed Pines	56	0	0	0	0	0	0	0	0	56
Oak	0	0	0	0	0	0	8	0	0	8
Red Pine	0	0	0	0	4	0	0	0	0	4
Upland Mixed Forest	5	0	0	0	12	0	0	0	0	17
Total	159	0	0	0	12	4	14	0	0	189

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	189	0	0	0	0	0	0	0	0	189
Next Step	0	0	0	0	0	0	171	0	0	171
Total	189	0	0	0	0	0	171	0	0	359



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

205 71034205-Cut	11.3	42220 - Natural Jack Pine	6	75	81-110	Harvest	Clearcut	4222 - Natural Jack Pine	Planting Record	No
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Prescription Clearcut everything two inches and up. No retention due to declining stand condition and proximity to Old 76 and the railroad..

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Moderate to full stocking of jack pine with a mix of other species. If regen fails, will also accept as a non-stocked stand due to the proximity to the road and railroad.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

102 71034102-Cut	11.7	4319 - Mixed Upland Forest	6	105	81-110	Harvest	Shelterwood	4319 - Mixed Upland Forest	Cutting Record	No
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Prescription Specs: Shelterwood leaving 50 to 70 BA of healthy trees with well-formed crowns. Protect existing regen as much as possible. Add residual and regen protection and trail protection specs. Add oak wilt spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Full stocking of fir, maple, and pine with a mix of other species.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

92 71034092-Cut	40.8	42250 - Pine, Oak	8	94	81-110	Harvest	Clearcut	42250 - Pine, Oak	Planting Record	No
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Prescription Specs: Clearcut with retention, cut everything 4 inches and up. Scatter and break up jack pine tops to promote natural regen. Use retention to break up the visual along the ski trail, but back it off of the trail so trees do not fall across it. Protect existing regen as much as possible. No operations allowed from December 1st through March 31st for the ski season. Add oak wilt, trail protection, and regen protection specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Moderate to full stocking of jack pine and oak.

Other Comment:

Site Condition:

Proposed Start Date: 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
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77	71034077-Cut	29.7	42220 - Natural Jack Pine	6	79	81-110	Harvest	Clearcut	4222 - Natural Jack Pine	Planting Record	No
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Prescription Clearcut with retention, cutting everything 4 inches and up. Scatter and break up jack pine tops to promote natural regen. Protect existing pine and oak regen as much as possible. No operations allowed from December 1st through March 31st for the ski season. Add oak wilt, regen protection, and trail protection specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Natural Jack pine with some oak mixed in to full stocking.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

69	71034069-Cut	4.9	4310 - Pine, Oak Mix	5	88	81-110	Harvest	Clearcut	4310 - Pine, Oak Mix	Planting Record	No
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Prescription Clearcut everything 4 inches and up, no retention due to size. Protect existing regen as much as possible. No operations allowed from December 1st through March 31st for the ski season. Add regen protection, trail protection, and oak wilt specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to full stocking of jack pine and oak with some red pine mixed in.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

65	71034065-Cut	2.2	42250 - Pine, Oak	8	101	51-80	Harvest	Clearcut	42250 - Pine, Oak	Planting Record	No
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Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to full stocking of jack pine and oak.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 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
62 71034062-Cut	21.0	42220 - Natural Jack Pine	5	97	81-110	Harvest	Clearcut	42221 - Natural Jack Pine, Mixed Deciduous	Planting Record	No
<u>Prescription</u> Clearcut with retention, cut everything 2 inches and up. Scatter and break up jack pine tops to promote natural regen. Protect existing regen as much as possible. No operations allowed from December 1st through March 31st for the ski season. Add oak wilt, regen protection, and trail protection specs. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate to full stocking of jack pine and oak. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Research Study <u>Proposed Start Date:</u> 10/01/2026										
60 71034060-Cut	13.2	42220 - Natural Jack Pine	6	97	81-110	Harvest	Clearcut	4222 - Natural Jack Pine	Planting Record	No
<u>Prescription</u> Clearcut with retention, cut everything 4 inches and up. Scatter and break up jack pine tops to promote natural regen. Use retention as a visual buffer for the ski trail. Protect existing regen as much as possible. No operations allowed from December 1st through March 31st for the ski season. Add regen protection, trail protection, and oak wilt specs. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Full stocking of jack pine with a mix of red pine and oak. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
45 71034045-Cut	8.4	4122 - Oak, Pine	8	98	51-80	Harvest	Overstory Removal	4122 - Oak, Pine	Planting Record	No
<u>Prescription</u> Overstory removal, no retention due to size. Cut everything 4 inches and up. Protect existing regen as much as possible. No operations allowed from December 1st through March 31st for the ski season. Add regen protection, trail protection, and oak wilt specs. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Moderate to full stocking of oak and pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										



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
44	71034044-Cut	5.9	42220 - Natural Jack Pine	6	87	81-110	Harvest	Overstory Removal	42221 - Natural Jack Pine, Mixed Deciduous	Planting Record	No
<u>Prescription</u> Overstory removal, cut everything 4 inches and up. No retention due to size. Protect existing regen as much as possible. No operations <u>Specs:</u> allowed from December 1st through March 31st for the ski season. Add regen protection, trail protection, and oak wilt specs. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Moderate to full stocking of jack pine and oak. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
41	71034041-Cut	5.5	42220 - Natural Jack Pine	9	87	111- 140	Harvest	Clearcut	4222 - Natural Jack Pine	Planting Record	Yes
<u>Prescription</u> Clearcut everything two inches and up, no retention due to size. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate to full stocking of jack pine with a mix of red pine and oak. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
17	71034017-Cut	3.7	42110 - Planted Red Pine	9	78	141- 170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	Yes
<u>Prescription</u> Thin down to 90 BA, focus on removing poor formed trees first. <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> <u>Proposed Start Date:</u> 10/01/2026											
11	71034011-Cut	17.3	42220 - Natural Jack Pine	6	55	81-110	Harvest	Clearcut	42221 - Natural Jack Pine, Mixed Deciduous	Planting Record	Yes
<u>Prescription</u> Clearcut with retention, cut everything 2 inches and up. Scattered and break up tops to promote natural regen. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate to full stocking of jack pine and oak <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
7 71034007-Cut	13.1	42250 - Pine, Oak	6	91	51-80	Harvest	Clearcut	42221 - Natural Jack Pine, Mixed Deciduous	Planting Record	Yes
<p><u>Prescription</u> Clearcut with retention, cut everything 2 inches and up. Protect existing regen as much as possible.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Moderate to full stocking of jack pine and oak.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										

Total Treatment 188.7
Acreage Proposed:



Availability for Management

Total Acres Acres Available Acres With Condition Acres Not Available

Dominant Site Conditions

5B 5C 5G 1A 2A 2F 2G 2H 3D 5E

161	105	37	19	Aspen		37			19					
84	80	0	5	Bog				5						
70	61	0	9	Cedar						9				
4	4	0	0	Herbaceous Openland										
1155	980	170	6	Jack Pine		149	21					4	2	
216	11	0	205	Low-Density Trees				200		2	3			
442	0	0	442	Lowland Conifers					10		417	15		
2	2	0	0	Lowland Deciduous										
26	0	0	27	Lowland Mixed Forest							12	15		
406	406	0	0	Lowland Shrub										
98	0	0	98	Lowland Spruce/Fir					3		95			
1	1	0	0	Marsh										
71	49	11	11	Mixed Upland Deciduous	11							9		2
160	126	7	27	Natural Mixed Pines	7							19		8
40	0	0	40	Northern Hardwood					15			25		
196	162	14	21	Oak	3	11				9		9	4	
39	39	0	0	Planted Mixed Pines										
124	83	0	42	Red Pine					21			20		
11	0	0	11	Tamarack							11			
8	8	0	0	Treed Bog										
15	0	0	15	Upland Conifers								14		1
265	191	41	34	Upland Mixed Forest	25	16						32		2
22	0	0	22	Upland Spruce/Fir							10	12		
98	42	0	55	Urban				55						
2	2	0	0	Water										
26	16	4	6	White Pine		4						6		
3,742	2,366	284	1,092	Total Forested Acres	46	217	21	260	68	10	557	176	8	14
	63%	8%	29%	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	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified

Report 4 – Site Conditions



Comments:							
2	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention left when Stand #4 was cut							
3	Unavailable	3D: Recreational/scenic values	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Visuals on M-76							
4	Available	5B: Maintain for regeneration purposes	19	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	2	3D: Recreational/scenic values	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2F: Too steep	9	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



8	Available	5B: Maintain for regeneration purposes	7	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5B: Maintain for regeneration purposes	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Dakota Ewald: Examiner

Compartment: 34
Year of Entry: 2027



14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	42	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	1A: Federal/State/Local Law	260	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Roscommon Conservation airport and it respective cleared boundaries							
17	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments: island surrounded by wet terrain, private, and accessed over low-wgt bridge to the north							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Dakota Ewald: Examiner

Compartment: 34
Year of Entry: 2027



20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	55	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Dakota Ewald: Examiner

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25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	362	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Available	2I: Survey needed	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Checked per SBW analysis							
30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Dakota Ewald: Examiner

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33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Available	5B: Maintain for regeneration purposes	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Available	5B: Maintain for regeneration purposes	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Dakota Ewald: Examiner

Compartment: 34
Year of Entry: 2027



39	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Available	5B: Maintain for regeneration purposes	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
45	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Dakota Ewald: Examiner

Compartment: 34
Year of Entry: 2027



47	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
49	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
50	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
51	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
52	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
54	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



57	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
58	Unavailable	3D: Recreational/scenic values	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
59	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
60	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
61	Available	5G: Research Study	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Has a 5-acre pocket within the stand as a part of a use permit through MSU for a ground flora sampling study.							
62	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
64	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



65	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
69	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
70	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
74	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	81	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
75	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
76	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



77	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
79	Unavailable	2A: Adjacent landowner denied access	68	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments: Small bridge on private that crosses the ausable would not be able to handle logging traffic.							
80	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	58	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:

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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
1	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	6.9	108	81-110	N/A	Log sized oak in the overstory that is a bit older. White pine poles and saplings in the understory. Hold stand until the white pine develops further and stand can be treated without causing too much damage.																																												
<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>20</td><td></td><td>15</td><td>108</td></tr><tr><td>Bigtooth Aspen</td><td>10</td><td>Seedling</td><td>7</td><td>60</td></tr><tr><td>Red Pine</td><td>35</td><td></td><td>15</td><td>108</td></tr><tr><td>White Pine</td><td>35</td><td>Seedling</td><td>5</td><td>60</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		White Oak	20		15	108	Bigtooth Aspen	10	Seedling	7	60	Red Pine	35		15	108	White Pine	35	Seedling	5	60	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>High</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	High	10 - 20 feet	10 - 20 feet														
Canopy Species	% Cover	Size Class	DBH	Age																																															
White Oak	20		15	108																																															
Bigtooth Aspen	10	Seedling	7	60																																															
Red Pine	35		15	108																																															
White Pine	35	Seedling	5	60																																															
Sub-Canopy Species	Density	Avg. Height	Size																																																
White Pine	High	10 - 20 feet	10 - 20 feet																																																
2	4130 - Aspen	Sapling Well	12.3	31	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>Black/Red (Hybrid) Oak</td><td>5</td><td>Pole</td><td>4</td><td></td></tr><tr><td>Red Maple</td><td>25</td><td>Sapling</td><td>5</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>70</td><td>Sapling</td><td>6</td><td>31</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Black/Red (Hybrid) Oak	5	Pole	4		Red Maple	25	Sapling	5		Bigtooth Aspen	70	Sapling	6	31																														
Canopy Species	% Cover	Size Class	DBH	Age																																															
Black/Red (Hybrid) Oak	5	Pole	4																																																
Red Maple	25	Sapling	5																																																
Bigtooth Aspen	70	Sapling	6	31																																															
3	4126 - White, Black, N. Pin Oak	Sawtimber Medium	8.6	109	81-110	N/A	Mature oak stand that is on the top and north slope of a steep hill. Access would be difficult.																																												
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Bigtooth Aspen</td><td>15</td><td></td><td>10</td><td></td></tr><tr><td>White Oak</td><td>50</td><td></td><td>14</td><td>109</td></tr><tr><td>Red Pine</td><td>5</td><td></td><td>14</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>20</td><td></td><td>12</td><td>109</td></tr><tr><td>White Pine</td><td>5</td><td>Seedling</td><td>5</td><td></td></tr><tr><td>Jack Pine</td><td>5</td><td>Seedling</td><td>9</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Bigtooth Aspen	15		10		White Oak	50		14	109	Red Pine	5		14		Black/Red (Hybrid) Oak	20		12	109	White Pine	5	Seedling	5		Jack Pine	5	Seedling	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>White Pine</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Black/Red (Hybrid) Oak	Low	Variable	Variable	White Pine	Medium	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																															
Bigtooth Aspen	15		10																																																
White Oak	50		14	109																																															
Red Pine	5		14																																																
Black/Red (Hybrid) Oak	20		12	109																																															
White Pine	5	Seedling	5																																																
Jack Pine	5	Seedling	9																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																
Black/Red (Hybrid) Oak	Low	Variable	Variable																																																
White Pine	Medium	Variable	Variable																																																
4	42111 - Planted Red Pine, Mixed Deciduous	Sapling Medium	10.9	11	Immature	N/A	Cut 2014 , trench and re-plant to red pine. Trenched in 2014; red pine planting in 2015.																																												
<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>70</td><td>Log</td><td>1</td><td>11</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>20</td><td>Log</td><td>1</td><td>11</td></tr><tr><td>Jack Pine</td><td>10</td><td>Log</td><td>1</td><td>11</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	70	Log	1	11	Black/Red (Hybrid) Oak	20	Log	1	11	Jack Pine	10	Log	1	11																													
Canopy Species	% Cover	Size Class	DBH	Age																																															
Red Pine	70	Log	1	11																																															
Black/Red (Hybrid) Oak	20	Log	1	11																																															
Jack Pine	10	Log	1	11																																															
5	3302 - Low Density Conifer Trees	Unspecifed	4.9			No	Stand consists of a power-line ROW and road ROW separated by a thin strip of trees.																																												
6	42220 - Natural Jack Pine	Poletimber Well	2.4	84	81-110	N/A	.																																												
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7	42250 - Pine, Oak	Poletimber Well	13.1	91	51-80	N/A																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
16	6120 - Lowland Cedar	Poletimber Well	3.9	136	81-110	N/A	Mix of swamp hardwoods overtopping swamp conifers and tagalder/balsam fir in the sub-canopy, wet stand in the the floodplain of Hudson Creek, east lobe is heavier to hardwoods than the west lobe, both lobes are separated by an intermittent stream flowing into Hudson Creek, HCVA = PART OF THIS STAND IS WITHIN THE BUFFER ZONE FOR A NATURAL RIVER (TRIBUTARY)																																																	
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17	42110 - Planted Red Pine	Sawtimber Well	3.7	78	141-170	N/A	west of Deep Woods road thinned in 1988, east of Deep Woods Road thinned in 1998.																																																	
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18	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	43.2	35	51-80	N/A	Pole sized jack pine stand. Scattered islands of older jack were left along M-76 for visuals when it was cut																																																	
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19	4122 - Oak, Pine	Sawtimber Medium	4.0	116	1-50	N/A	small triangular stand left as buffer for cut to the south, decadent oak and jack pine but filling in nicely with a mix of conifer saplings, lots of jack pine blow-down, maintain as a buffer and let oak/JP over-story break-up naturally as stand is too small to bother with, oak/JP are poor quality, and conifers in the under-story are doing well																																																	
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20	42121 - Planted Jack Pine, Mixed Deciduous	Poletimber Well	33.0	47	81-110	N/A	Pole sized jack pine with scattered oak transitioning to J6. Leave stand until next entry to allow stand to put on growth.																																																	
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21	4199 - Other Mixed Upland Deciduous	Sapling Medium	14.8	24	1-50	N/A	Removed aspen, jack pine, and maple in Fall 2000, Shelterwood cut in Fall 2010, mostly log sized oak left. Leave for now to allow regen to develop further.																																																														
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22	4130 - Aspen	Sapling Well	5.7	24	51-80	N/A	Nice A3 clone at the top of the ridge, regenerated in 2001, bulk of stand is A3 but there are a few spots which are sparser																																																														
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23	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	38.5	22	Immature	N/A	planted to JP in 2003 after cutting in 2001																																																														
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24	4126 - White, Black, N. Pin Oak	Sapling Well	26.4	24	Immature	N/A	Cut 2001 with adjacent stands but much less jack pine than both these other stands, also more white oak. The east part burned in a wildfire 10 to 20 years ago.																																																														
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25	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	4.4	27	Immature	N/A	Cut and regenerated with stand to the south in 71039 (Stands 10/15) in 1998, planted JP and natural oak																																																														
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26	4199 - Other Mixed Upland Deciduous	Poletimber Well	4.8	102	81-110	N/A	Oak /Aspen stand near the top of a ridge, mostly oak to the north and aspen to the south. Difficult access due to steeper terrain and no existing roads. Stand is in good shape and should hold for a while.																																									
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White Oak	15		13	102																																												
Red Maple	25	Seedling	7	60																																												
Bigtooth Aspen	28		8	60																																												
Sub-Canopy Species	Density	Avg. Height	Size																																													
Witch Hazel	Low	5 - 10 feet	5 - 10 feet																																													
White Oak	Low	< 5 feet	< 5 feet																																													
27	4125 - Black, N. Pin Oak	Sapling Medium	20.5	24	Immature	N/A																																										
<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>15</td><td>Log</td><td>2</td><td>24</td></tr><tr><td>Quaking Aspen</td><td>5</td><td>Log</td><td>2</td><td></td></tr><tr><td>Red Maple</td><td>5</td><td>Log</td><td>2</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>50</td><td>Pole</td><td>3</td><td>24</td></tr><tr><td>Jack Pine</td><td>25</td><td>Pole</td><td>3</td><td>24</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	White Oak	15	Log	2	24	Quaking Aspen	5	Log	2		Red Maple	5	Log	2		Black/Red (Hybrid) Oak	50	Pole	3	24	Jack Pine	25	Pole	3	24																
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28	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	36.8	41	51-80	N/A	CUT TO 4" IN 1984 (OR WILDFIRE) AND THEN PLANTED WHICH CREATED A 2 AGED STAND, NOW LOGSIZE AND SOME POLE/SAP SIZE JACK PINE. Hold and allow stand to put on growth.																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black/Red (Hybrid) Oak</td><td>20</td><td>Pole</td><td>3</td><td></td></tr><tr><td>Jack Pine</td><td>80</td><td></td><td>6</td><td>41</td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	Black/Red (Hybrid) Oak	20	Pole	3		Jack Pine	80		6	41																														
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Jack Pine	80		6	41																																												
29	6225 - Bog	Unspecified	2.9			No																																										
30	42120 - Planted Jack Pine	Poletimber Well	18.6	47	51-80	N/A	Pole sized Jack pine with a lot of saplings mixed in. Hold and allow stand to put on growth.																																									
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31	42120 - Planted Jack Pine	Sapling Well	19.6	35	1-50	N/A	J3 planted 1990																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black/Red (Hybrid) Oak</td><td>11</td><td>Log</td><td>2</td><td></td></tr><tr><td>White Pine</td><td>2</td><td>Seedling</td><td>5</td><td></td></tr><tr><td>Jack Pine</td><td>85</td><td>Log</td><td>2</td><td>35</td></tr><tr><td>Red Pine</td><td>2</td><td>Seedling</td><td>6</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	Black/Red (Hybrid) Oak	11	Log	2		White Pine	2	Seedling	5		Jack Pine	85	Log	2	35	Red Pine	2	Seedling	6																					
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Red Pine	2	Seedling	6																																													
32	4310 - Pine, Oak Mix	Sapling Well	14.4	35	81-110	N/A	Planted in 1990, scattered oak saps and poles also, north end is heavier to hardwoods																																									
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Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

33

42121 - Planted Jack Pine, Mixed Deciduous

Sapling Well

23.5

35

51-80

N/A

Jack pine planted in 1990, scattered oak saps and poles also, north end is heavier to hardwoods

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	15	Pole	3	
Jack Pine	75	Sapling	5	35
Red Maple	2	Pole	3	
Quaking Aspen	8	Pole	3	

34

42250 - Pine, Oak

Sapling Medium

39.8

16

Immature

N/A

Cut summer 2009 to 4" Spec, left some oak and R/W pine SL's

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	30	Log	1	16
White Pine	10	Seedling	5	
Jack Pine	50	Log	1	16
White Oak	5	Log	1	
Red Pine	5	Seedling	5	

35

6233 - Wet Meadow

Unspecified

1.4

No

37

42221 - Natural Jack Pine, Mixed Deciduous

Sapling Medium

41.5

24

Immature

N/A

Cut 2000 with a 4" Spec and left to regenerate naturally, also scattered red and white pine poles were left. Stand is still somewhat open.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	1	Seedling	5	
Black/Red (Hybrid) Oak	25	Log	2	
White Pine	2	Seedling	5	
Jack Pine	65	Pole	3	24
Quaking Aspen	3	Log	2	
Red Maple	2	Log	2	
Red Pine	2	Seedling	5	

38

42121 - Planted Jack Pine, Mixed Deciduous

Poletimber Well

41.8

47

51-80

N/A

Planted 1978, jack pine is approaching pole-size, oak came in later and is a bit smaller. Hold for at least one more entry to allow stand to put on growth.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	20	Pole	3		Black/Red (Hybrid) Oak	Low	Variable	Variable
Jack Pine	80	Sapling	5	47	White Oak	Trace	Variable	Variable

39

42250 - Pine, Oak

Sapling Medium

7.3

10

1-50

N/A

Stand was final harvested in the spring 2015. Marked some oak and red pine for mast and visual. Left all oak 5 inches an under also.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	30	Pole	4	10	Pin Cherry	Low	Variable	Variable
White Pine	5	Log	1	10	Northern Pin Oak	Medium	>20 feet	>20 feet
Jack Pine	15	Log	1	10	Red Pine	Trace	>20 feet	>20 feet
Balsam Fir	10	Log	1	10				
Red Pine	10		10					
Red Pine	30	Log	1	10				



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
50	4130 - Aspen	Sapling Well	6.7	17	Immature	N/A	Good aspen regeneration. Was harvested in the winter 2007/2008.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black/Red (Hybrid) Oak</td><td>10</td><td>Pole</td><td>2</td><td>17</td></tr><tr><td>White Pine</td><td>10</td><td>Pole</td><td>3</td><td></td></tr><tr><td>Quaking Aspen</td><td>80</td><td>Log</td><td>2</td><td>17</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Black/Red (Hybrid) Oak	10	Pole	2	17	White Pine	10	Pole	3		Quaking Aspen	80	Log	2	17																									
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Black/Red (Hybrid) Oak	10	Pole	2	17																																																
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Quaking Aspen	80	Log	2	17																																																
51	4310 - Pine, Oak Mix	Sapling Well	22.3	10	Immature	N/A	Stand was treated in the spring 2015. Removed all species to 2 inch except the oaks. Left all white oaks and marked 10-20 basal area of large wolfy pin oaks for mast, seeding, and visual.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black/Red (Hybrid) Oak</td><td>40</td><td>Log</td><td>2</td><td>10</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>15</td><td></td><td>10</td><td>108</td></tr><tr><td>White Pine</td><td>5</td><td>Log</td><td>2</td><td></td></tr><tr><td>Jack Pine</td><td>35</td><td>Log</td><td>2</td><td>10</td></tr><tr><td>Red Pine</td><td>5</td><td>Pole</td><td>3</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>Northern Pin Oak</td><td>Low</td><td>>20 feet</td><td>>20 feet</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Black/Red (Hybrid) Oak	40	Log	2	10	Black/Red (Hybrid) Oak	15		10	108	White Pine	5	Log	2		Jack Pine	35	Log	2	10	Red Pine	5	Pole	3		Sub-Canopy Species	Density	Avg. Height	Size	Northern Pin Oak	Low	>20 feet	>20 feet							
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Northern Pin Oak	Low	>20 feet	>20 feet																																																	
53	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	1.0	10	Immature	N/A	Stand was final harvest leaving all red pine and oaks five inches or less. Have some good pockets of oak regeneration already along with red maple.																																													
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Black/Red (Hybrid) Oak	15	Log	2																																																	
White Pine	35	Log	2	10																																																
Red Maple	50	Log	2	10																																																
54	4310 - Pine, Oak Mix	Sawtimber Medium	16.2	98	81-110	N/A	There is heavy white pine regeneration in the understory. The overstory consists of white pine and mature pin oak. The west end of stand is thinner in canopy and has white spruce regen.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black/Red (Hybrid) Oak</td><td>42</td><td></td><td>12</td><td>98</td></tr><tr><td>White Pine</td><td>30</td><td></td><td>9</td><td></td></tr><tr><td>Jack Pine</td><td>20</td><td></td><td>9</td><td></td></tr><tr><td>Red Pine</td><td>8</td><td></td><td>12</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>Northern Pin Oak</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Spruce</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>White Pine</td><td>High</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Jack Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Black/Red (Hybrid) Oak	42		12	98	White Pine	30		9		Jack Pine	20		9		Red Pine	8		12		Sub-Canopy Species	Density	Avg. Height	Size	Northern Pin Oak	Low	5 - 10 feet	5 - 10 feet	White Spruce	Medium	10 - 20 feet	10 - 20 feet	White Pine	High	10 - 20 feet	10 - 20 feet	Jack Pine	Low	5 - 10 feet	5 - 10 feet
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White Pine	High	10 - 20 feet	10 - 20 feet																																																	
Jack Pine	Low	5 - 10 feet	5 - 10 feet																																																	
55	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	11.8	28	Immature	N/A	Trenched and planted in 1997 to red pine. The red pine survival was marginal on this site. Heavy natural jack pine regeneration came back giving a good mix of species. Scattered log sized oak were also left.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Northern Pin Oak</td><td>28</td><td></td><td>5</td><td></td></tr><tr><td>Red Pine</td><td>30</td><td>Pole</td><td>2</td><td>28</td></tr><tr><td>White Pine</td><td>2</td><td>Log</td><td>1</td><td>28</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Northern Pin Oak	28		5		Red Pine	30	Pole	2	28	White Pine	2	Log	1	28																									
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Northern Pin Oak	28		5																																																	
Red Pine	30	Pole	2	28																																																
White Pine	2	Log	1	28																																																
56	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Poor	1.8	118	81-110	N/A	Lowland maple stand with a mix of conifers. Overstory is dying out in places. Allow stand to transition on its own. Old railroad grade bisects stand.																																													
<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>10</td><td></td><td>8</td><td></td></tr><tr><td>Red Maple</td><td>45</td><td></td><td>12</td><td>118</td></tr><tr><td>Quaking Aspen</td><td>15</td><td></td><td>8</td><td></td></tr><tr><td>Balsam Fir</td><td>30</td><td></td><td>7</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>Balsam Fir</td><td>High</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Red Maple</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Tag Alder</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	White Pine	10		8		Red Maple	45		12	118	Quaking Aspen	15		8		Balsam Fir	30		7		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	>20 feet	>20 feet	Red Maple	Medium	>20 feet	>20 feet	Tag Alder	Medium	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																																				
77	42220 - Natural Jack Pine	Poletimber Well	29.8	79	81-110	N/A																																					
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Black/Red (Hybrid) Oak	15		10		Northern Pin Oak	Medium	Variable	Variable																																			
Jack Pine	85	Seedling	8	79	Jack Pine	Low	< 5 feet	< 5 feet																																			
78	110 - Low Intensity Urban	Unspecified	2.0			No	Gardiner Road																																				
79	42120 - Planted Jack Pine	Sapling Well	89.7	9	Immature	N/A	Stand was harvested in the spring of 2015 and planted that following summer. Stand should be planted to jack pine in 2016. The Tisdale ski trail loops through the stand.																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black/Red (Hybrid) Oak</td><td>5</td><td>Log</td><td>1</td><td></td></tr><tr><td>Jack Pine</td><td>95</td><td>Log</td><td>1</td><td>9</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Black/Red (Hybrid) Oak	5	Log	1		Jack Pine	95	Log	1	9																					
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Black/Red (Hybrid) Oak	5	Log	1																																								
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80	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	4.4	17	Immature	N/A																																					
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81	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	22.6	30	51-80	N/A																																					
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Black/Red (Hybrid) Oak	30	Sapling	5																																								
Jack Pine	70	Sapling	5	30																																							
82	42120 - Planted Jack Pine	Sapling Well	22.6	31	51-80	N/A	Plantation with oak sprouts mixed in along with some older supercanopy oak.																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Northern Pin Oak</td><td>5</td><td>Log</td><td>2</td><td></td></tr><tr><td>Northern Pin Oak</td><td>2</td><td></td><td>10</td><td></td></tr><tr><td>Jack Pine</td><td>93</td><td>Pole</td><td>4</td><td>31</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Northern Pin Oak	5	Log	2		Northern Pin Oak	2		10		Jack Pine	93	Pole	4	31																
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Jack Pine	85	Pole	3	17																																							
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84	42120 - Planted Jack Pine	Sapling Well	23.5	31	51-80	N/A																																					
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Pine</td><td>8</td><td></td><td>9</td><td></td><td>Black/Red (Hybrid) Oak</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>10</td><td></td><td>6</td><td></td><td>Jack Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Jack Pine</td><td>82</td><td>Sapling</td><td>6</td><td>31</td><td></td><td></td><td></td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	8		9		Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet	Black/Red (Hybrid) Oak	10		6		Jack Pine	Low	5 - 10 feet	5 - 10 feet	Jack Pine	82	Sapling	6	31				
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Jack Pine	82	Sapling	6	31																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
85	42120 - Planted Jack Pine	Sapling Well	7.1	31	1-50	N/A																																	
<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>95</td><td>Pole</td><td>4</td><td>31</td></tr><tr><td>Northern Pin Oak</td><td>5</td><td>Pole</td><td>3</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	95	Pole	4	31	Northern Pin Oak	5	Pole	3																		
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Jack Pine	95	Pole	4	31																																			
Northern Pin Oak	5	Pole	3																																				
86	42120 - Planted Jack Pine	Sapling Medium	19.1	17	Immature	N/A	Stand was harvested leaving all oak and pine under 4" and then was planted with jack pine. There is also some oak stump sprouts present.																																
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87	42120 - Planted Jack Pine	Sapling Well	21.3	31	81-110	N/A																																	
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89	42220 - Natural Jack Pine	Sapling Well	11.9	31	81-110	N/A																																	
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Northern Pin Oak	5	Log	2																																				
90	42120 - Planted Jack Pine	Sapling Poor	20.2	17	Immature	N/A	Stand was harvested leaving all oak and pine under 4" and theen was plated with jack pine. There is also some oak stump sprouts present.																																
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91	42110 - Planted Red Pine	Sapling Well	19.3	16	Immature	N/A	Stand was final harvested in the winter 2007/2008. It was then trenched and plant to red pine in the spring 2009. Good mix of natural oak regeneration coming in also.																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black/Red (Hybrid) Oak</td><td>15</td><td>Pole</td><td>3</td><td></td></tr><tr><td>Red Pine</td><td>85</td><td>Pole</td><td>3</td><td>16</td></tr></table> <table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Northern Pin Oak</td><td>Medium</td><td></td><td></td></tr><tr><td>Red Pine</td><td>Full</td><td></td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Black/Red (Hybrid) Oak	15	Pole	3		Red Pine	85	Pole	3	16	Sub-Canopy Species	Density	Avg. Height	Size	Northern Pin Oak	Medium			Red Pine	Full							
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92	42250 - Pine, Oak	Sawtimber Medium	40.8	94	81-110	N/A																																	
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black/Red (Hybrid) Oak</td><td>35</td><td></td><td>11</td><td></td></tr><tr><td>Jack Pine</td><td>65</td><td></td><td>11</td><td>94</td></tr></table> <table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Jack Pine</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Northern Pin Oak</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Black/Red (Hybrid) Oak	35		11		Jack Pine	65		11	94	Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	5 - 10 feet	5 - 10 feet	Northern Pin Oak	High	5 - 10 feet	5 - 10 feet					
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93	42220 - Natural Jack Pine	Sapling Medium	17.0	17	Immature	N/A	Have a good carpet of jack pine seedlings mixed in with large saplings.																																
<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>70</td><td>Pole</td><td>4</td><td>17</td></tr><tr><td>Northern Pin Oak</td><td>20</td><td>Pole</td><td>2</td><td></td></tr><tr><td>Red Pine</td><td>10</td><td>Sapling</td><td>5</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>Northern Pin Oak</td><td>Low</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>Jack Pine</td><td>Medium</td><td>< 5 feet</td><td>< 5 feet</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	70	Pole	4	17	Northern Pin Oak	20	Pole	2		Red Pine	10	Sapling	5		Sub-Canopy Species	Density	Avg. Height	Size	Northern Pin Oak	Low	< 5 feet	< 5 feet	Jack Pine	Medium	< 5 feet	< 5 feet
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
94	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	12.3	29	1-50	N/A	Stand was harvested, trenched, and planted to red pine in 1996 but failed. Very little of red pine survived. Came back good to jack pine and oak naturally. An old railroad grade bisects the stand and has been built up over 20 feet above the ground level. When they harvested they left the trees on the railroad grade sides to help it not to erode.																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Northern Pin Oak</td><td>30</td><td>Log</td><td>2</td><td>29</td></tr><tr><td>Red Pine</td><td>10</td><td>Log</td><td>2</td><td>29</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Northern Pin Oak	30	Log	2	29	Red Pine	10	Log	2	29	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Jack Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	5 - 10 feet	5 - 10 feet	Balsam Fir	Low	5 - 10 feet	5 - 10 feet									
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Jack Pine	Low	5 - 10 feet	5 - 10 feet																																							
Balsam Fir	Low	5 - 10 feet	5 - 10 feet																																							
95	42250 - Pine, Oak	Poletimber Medium	20.4	84	81-110	N/A	More open stand with better oak and pine regeneration in sapling and pole sizes.																																			
<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>5</td><td></td><td>12</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>40</td><td></td><td>11</td><td></td></tr><tr><td>Jack Pine</td><td>55</td><td></td><td>9</td><td>84</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	5		12		Black/Red (Hybrid) Oak	40		11		Jack Pine	55		9	84	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Jack Pine</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Northern Pin Oak</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	5 - 10 feet	5 - 10 feet	Northern Pin Oak	Medium	5 - 10 feet	5 - 10 feet				
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96	4122 - Oak, Pine	Sapling Well	17.9	17	Immature	N/A	Good oak regenration coming back by acorn and stump sprouting. Was final harvested in the winter 20007/2008.																																			
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Northern Pin Oak	High																																									
White Pine	Low																																									
Jack Pine	Medium																																									
97	4310 - Pine, Oak Mix	Sapling Medium	12.0	20	1-50	N/A	Stand was final harvested in spring in 2005. The oak regeneration is heavier in both canopy and sub-canopy. Will be a good mixed stand.																																			
<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>10</td><td>Pole</td><td>2</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>55</td><td>Sapling</td><td>5</td><td>20</td></tr><tr><td>Jack Pine</td><td>35</td><td>Pole</td><td>4</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	10	Pole	2		Black/Red (Hybrid) Oak	55	Sapling	5	20	Jack Pine	35	Pole	4																					
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Red Pine	10	Pole	2																																							
Black/Red (Hybrid) Oak	55	Sapling	5	20																																						
Jack Pine	35	Pole	4																																							
98	42290 - Natural Mixed Pine	Sawtimber Medium	2.4	101	81-110	N/A	Mix of red pine and jack pine. Jack pine is starting to die out. Leave stand for diversity and visual along the ski trail.																																			
<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>51</td><td></td><td>12</td><td>101</td></tr><tr><td>Jack Pine</td><td>49</td><td></td><td>9</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	51		12	101	Jack Pine	49		9		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>High</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Red Pine</td><td>Low</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	High	>20 feet	>20 feet	Red Pine	Low	>20 feet	>20 feet	Balsam Fir	Medium	>20 feet	>20 feet					
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Balsam Fir	Medium	>20 feet	>20 feet																																							
99	4310 - Pine, Oak Mix	Sapling Well	8.3	28	1-50	N/A	Large sawlog sized oaks left post harvest. Both the oak and jack pine regeneration is good. Fairly even mix. Seeded with jack pine in 1997.																																			
<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>55</td><td></td><td>3</td><td>28</td></tr><tr><td>Northern Pin Oak</td><td>43</td><td>Pole</td><td>3</td><td>28</td></tr><tr><td>Northern Pin Oak</td><td>2</td><td></td><td>11</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Jack Pine	55		3	28	Northern Pin Oak	43	Pole	3	28	Northern Pin Oak	2		11		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Northern Pin Oak</td><td>Medium</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>Jack Pine</td><td>Medium</td><td>< 5 feet</td><td>< 5 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Northern Pin Oak	Medium	< 5 feet	< 5 feet	Jack Pine	Medium	< 5 feet	< 5 feet				
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Northern Pin Oak	Medium	< 5 feet	< 5 feet																																							
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100	42220 - Natural Jack Pine	Sapling Well	16.0	15	Immature	N/A	Stand was final harvested and had the tops spread on the pine/conifer and not chipped. Tried to get natural seeding from the cones. If regeneration fails, plant jack pine.																																			
<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>5</td><td>Log</td><td>2</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>15</td><td>Log</td><td>2</td><td></td></tr><tr><td>Jack Pine</td><td>75</td><td>Log</td><td>2</td><td>15</td></tr><tr><td>White Spruce</td><td>5</td><td>Log</td><td>2</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Pin Cherry	5	Log	2		Black/Red (Hybrid) Oak	15	Log	2		Jack Pine	75	Log	2	15	White Spruce	5	Log	2																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
101	4310 - Pine, Oak Mix	Sapling Well	22.3	28	51-80	N/A	Good regeneration that was seeded with jack pine in 1997. There is supercanopy oaks left from the harvest that are starting to die. There was a high percentage left but damages caused to the understory by trying to remove them far out weighs the benefit of their removal.																																																
<table> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> <tr> <td>Northern Pin Oak</td> <td>8</td> <td></td> <td>15</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>38</td> <td>Pole</td> <td>3</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>2</td> <td></td> <td>3</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Seedling</td> <td>5</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>47</td> <td>Pole</td> <td>3</td> <td>28</td> </tr> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Northern Pin Oak	8		15		Northern Pin Oak	38	Pole	3		Red Maple	2		3		White Pine	5	Seedling	5		Jack Pine	47	Pole	3	28	<table> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> <tr> <td>Northern Pin Oak</td> <td>High</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> <tr> <td>Jack Pine</td> <td>High</td> <td>< 5 feet</td> <td>< 5 feet</td> </tr> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Northern Pin Oak	High	< 5 feet	< 5 feet	Red Maple	Low	< 5 feet	< 5 feet	Jack Pine	High	< 5 feet	< 5 feet					
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Jack Pine	High	< 5 feet	< 5 feet																																																				
102	4319 - Mixed Upland Forest	Poletimber Well	11.7	105	81-110	N/A	Diverse stand in the pole size class with thick understory regeneration. Predominantly balsam fir.																																																
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104	6124 - Lowland Spruce-Fir	Poletimber Medium	4.0	55	81-110	N/A	Mixed lowland conifer stand with a smal amount of deciduous.																																																
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105	622 - Lowland Shrub	Unspecified	38.8			No	Flood plain of the South Branch AuSable River.																																																
106	6131 - Hemlock, White Pine, Maple, Birch	Poletimber Well	3.3	100	111-140	N/A	Very mixed stand with poorly drained soils. Leave for diversity/buffer along the river.																																																
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107	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	17.9	53	Unspecified	N/A																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
130	6122 - Black Spruce	Poletimber Well	3.2	89	81-110	N/A	Lowland but operable. Nice black spruce stand mixed with some balsam fir and aspen.																																											
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131	42210 - Natural Red Pine	Sawtimber Well	3.9	89	141-170	N/A	Small stand of natural red pine on north edge of creek. Landlocked by private property and the AuSable River.																																											
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132	622 - Lowland Shrub	Unspecified	21.4			No																																												
133	6124 - Lowland Spruce-Fir	Poletimber Well	361.8	124	51-80	N/A	Variable lowland conifer stand that in areas is dominated by tamarack and balsam fir. Some scattered cedars and birch. Tag alder and willow is thick in understory especially in more open areas.																																											
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135	4134 - Aspen, Spruce/Fir	Poletimber Well	37.3	46	Unspecified	N/A	Stand that is mostly aspen in the canopy, but the balsam fir is full in the mid and sub-canopies. Where the aspen is not in the canopy balsam fir is. Hold and cut next entry with jack pine to the south.																																											
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137	6225 - Bog	Unspecified	14.3			No	Leatherleaf bog with some spruce, tamarack and pine scattered about in low numbers.																																											
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138	6220 - Alder/Willow	Unspecified	82.0			No	Tag alder marsh with black spruce mainly along perimeter.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
144	330 - Low-Density Trees	Unspecified	2.1			No	May have been an old landing site for the adjacent treatment done in the 70's, but is currently a grass opening with some of the native species slowly filling in on the edges but not enough to call it a forested stand.
145	330 - Low-Density Trees	Unspecified	1.6			No	May have been an old landing site for the adjacent treatment done in the 70's, but is currently a grass opening with some of the native species slowly filling in on the edges but not enough to call it a forested stand.
146	6122 - Black Spruce	Poletimber Medium	8.1	85	51-80	N/A	The stand has numerous open areas scattered about that are just tag alder but they are small and surrounded by spruce. The overstory spruce has heavy spruce regeneration underneath. There are even areas with red pine intermixed.
147	42120 - Planted Jack Pine	Poletimber Well	55.3	48	Unspecified	N/A	Some large log sized red pine trees left scattered about from the original cut. Hold unless stands to the north need to be cut.
148	42250 - Pine, Oak	Sawtimber Well	3.3	105	81-110	N/A	Overmature jack pine stand.2024:Stink Eye Pine • 71-015-18 PU 1 Unit was never cut likely due to poor access.
149	6225 - Bog	Unspecified	4.2			No	Leatherleaf bog with some spruce and tamarack here and there.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
157	42210 - Natural Red Pine	Sawtimber Well	20.3	84	111-140	N/A	Stand not visited this entry due to difficult access.Old Comment: Natural red pine stand on island in swamp. Balsam fir understory. A few open spots. Some red maple and quaking aspen mixed in and along small openings.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	2		8		Balsam Fir	High		10 - 20 feet	10 - 20 feet
Red Pine	95		12	84					
Red Maple	3		8						
158	4112 - Maple, Beech, Cherry Association	Poletimber Well	12.3	79	81-110	N/A	Red maple pole timber stand mixed with some bigtooth aspen and paper birch. A few scattered jack pine. Some larger 24"+ white pine on far west side along section line.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	81		8	79	White Pine	Medium		10 - 20 feet	10 - 20 feet
Paper Birch	5	Seedling	8		Balsam Fir	Medium		10 - 20 feet	10 - 20 feet
Bigtooth Aspen	5		10		Black Spruce	Medium		10 - 20 feet	10 - 20 feet
	White Pine	5		8					
	Jack Pine	2		8					
	Black Spruce	2	Seedling	5					
159	42290 - Natural Mixed Pine	Sawtimber Well	12.0	140	81-110	N/A	Two-aged stand of super-canopy red pine with a mid-canopy of white pine, spruce, etc. The regeneration is good mainly being white pine and equal percentage of spruce, fir and traces of the other canopy species. The portion of the stand north of the abandoned pipeline R.O.W. has several wetter depressions. 2024: Stink Eye Pine • 71-015-18 PU 3 Unit was never cut		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Blue Spruce	18	Seedling	8	99	White Pine	High		Variable	Variable
White Pine	15		9		Northern Pin Oak	Low		Variable	Variable
Jack Pine	4	Seedling	8		Black Spruce	Medium		Variable	Variable
Balsam Fir	7	Seedling	7						
Red Maple	1	Seedling	8						
Paper Birch	3	Seedling	8						
Northern Pin Oak	8		9						
Red Pine	44		14	140					
160	429 - Mixed Upland Conifers	Sawtimber Well	10.1	102	81-110	N/A	Mixed stand of overmature jack pine and pin oak of poor quality. Scattered about are a few super-canopy red and white pines. The regeneration is very good with a mix of white pine with lesser degrees of spruce followed up by some oak and jack pine.2024: Stink Eye Pine • 71-015-18 PU 2 Unit was never cut. Looks like access may have been to wet to cut stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	1		11		Red Maple	Low		Variable	Variable
White Pine	15		9		White Pine	High		Variable	Variable
Jack Pine	31		12	102	Jack Pine	Low		Variable	Variable
Black Spruce	15		9		Black Spruce	Medium	Variable	Variable	
	Northern Pin Oak	27		11					
	Red Pine	3		14					
	Red Maple	5	Seedling	6					
	Paper Birch	3	Seedling	8					
162	6121 - Tamarack	Poletimber Well	10.6	79	1-50	N/A	Tamarack swamp with some cedar and dead and dying ash(EAB). Some open areas dominated by tag alder and willow.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Northern White Cedar	5	Sapling	6	79	Tag Alder	Full	5 - 10 feet	5 - 10 feet	
Tamarack	93	Sapling	6	79					
Black Ash	2		4						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
163	6122 - Black Spruce	Poletimber Well	81.2	79	81-110	N/A																																											
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164	4130 - Aspen	Sapling Well	56.1	10	1-50	N/A	Some large oaks were left when harvested. Several more open pockets.																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>7</td><td>Log</td><td>1</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>3</td><td></td><td>12</td><td></td></tr><tr><td>Jack Pine</td><td>10</td><td>Log</td><td>2</td><td></td></tr><tr><td>Quaking Aspen</td><td>80</td><td>Log</td><td>1</td><td>10</td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	Red Maple	7	Log	1		Black/Red (Hybrid) Oak	3		12		Jack Pine	10	Log	2		Quaking Aspen	80	Log	1	10																					
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165	6120 - Lowland Cedar	Poletimber Well	35.4	114	81-110	N/A	Cedar with understory of balsam fir and tag alder. Some small areas of slightly higher areas with some hardwoods. More black spruce on north end																																										
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166	6120 - Lowland Cedar	Poletimber Well	25.8	119	81-110	N/A	A few hemlocks on higher drier spots.																																										
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167	42200 - Natural White Pine	Sawtimber Well	5.5	119	141-170	N/A	Small stand of large diameter white pine mixed with some red pine. A few hemlock mixed in.																																										
<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>85</td><td></td><td>22</td><td>119</td></tr><tr><td>Red Pine</td><td>10</td><td></td><td>16</td><td></td></tr><tr><td>Red Maple</td><td>5</td><td>Seedling</td><td>8</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	White Pine	85		22	119	Red Pine	10		16		Red Maple	5	Seedling	8		<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>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black Spruce</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	5 - 10 feet	5 - 10 feet	Black Spruce	Low	5 - 10 feet	5 - 10 feet										
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168	4319 - Mixed Upland Forest	Sapling Well	29.0	40	51-80	N/A	Aspen mixed with older age class of balsam fir and white pine left from harvest. Must have cut all hardwoods and aspen and left conifers??? Conifers act as supercanopy above aspen. Some wet pockets. Far east end has small area of planted/seeded jack pine from adjacent harvest.																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Balsam Fir</td><td>35</td><td></td><td>6</td><td></td></tr><tr><td>Quaking Aspen</td><td>50</td><td>Log</td><td>3</td><td>40</td></tr><tr><td>White Pine</td><td>15</td><td></td><td>8</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	Balsam Fir	35		6		Quaking Aspen	50	Log	3	40	White Pine	15		8																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
200	4132 - Aspen, Jack Pine	Sapling Medium	6.8	10	Immature	N/A	A few wet pockets throughout																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>20</td><td>Log</td><td>2</td><td>10</td></tr><tr><td>Quaking Aspen</td><td>45</td><td>Log</td><td>2</td><td>10</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>15</td><td>Log</td><td>2</td><td>10</td></tr><tr><td>Jack Pine</td><td>20</td><td>Log</td><td>2</td><td>10</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	20	Log	2	10	Quaking Aspen	45	Log	2	10	Black/Red (Hybrid) Oak	15	Log	2	10	Jack Pine	20	Log	2	10							
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202	42120 - Planted Jack Pine	Sapling Well	75.9	24	1-50	N/A	Stand was harvest in Winter 2001 and trenched/seeded in the spring of 2001.																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Northern Pin Oak</td><td>5</td><td>Log</td><td>2</td><td>24</td></tr><tr><td>Jack Pine</td><td>95</td><td>Pole</td><td>3</td><td>24</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Northern Pin Oak	5	Log	2	24	Jack Pine	95	Pole	3	24																	
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Northern Pin Oak	5	Log	2	24																																			
Jack Pine	95	Pole	3	24																																			
203	42220 - Natural Jack Pine	Sapling Well	36.1	35	1-50	N/A	Stand was harvested and then roller chopped. It was never seeded with all jack pine regeneration being natural.																																
<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>98</td><td>Pole</td><td>4</td><td>35</td></tr><tr><td>Northern Pin Oak</td><td>2</td><td>Pole</td><td>3</td><td>35</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	98	Pole	4	35	Northern Pin Oak	2	Pole	3	35																	
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204	110 - Low Intensity Urban	Unspecifed	20.3			No	R.O.W. containing the Lake States Railroad on the west side and a buried Gas Pipeline of Michcon's on the east edge. Jack pine sapling strip is growing along the railroad.																																
<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Jack Pine</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>								Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	10 - 20 feet	10 - 20 feet																								
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205	42220 - Natural Jack Pine	Poletimber Well	11.3	75	81-110	N/A	Thin strip of land between M-76 and the Railroad. There is a strip of red pine of 5-6 rows wide about 100 yards long at the north end. The rest is natural regeneration of jack and oak. Appears there once was an old narrow gauge rail bed that run down the middle of this stand.																																
<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>80</td><td>Seedling</td><td>8</td><td>75</td></tr><tr><td>Northern Pin Oak</td><td>16</td><td></td><td>10</td><td></td></tr><tr><td>Red Pine</td><td>4</td><td>Seedling</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>Northern Pin Oak</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Jack Pine</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	80	Seedling	8	75	Northern Pin Oak	16		10		Red Pine	4	Seedling	8		Sub-Canopy Species	Density	Avg. Height	Size	Northern Pin Oak	Medium	5 - 10 feet	5 - 10 feet	Jack Pine	Medium	5 - 10 feet	5 - 10 feet
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Northern Pin Oak	Medium	5 - 10 feet	5 - 10 feet																																				
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207	4310 - Pine, Oak Mix	Sapling Well	25.9	26	Immature	N/A	Stand was seeded to jack pine with the Sigma Seeder in 1998.																																
<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>55</td><td>Pole</td><td>4</td><td>26</td></tr><tr><td>Northern Pin Oak</td><td>45</td><td>Sapling</td><td>5</td><td>28</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	55	Pole	4	26	Northern Pin Oak	45	Sapling	5	28																	
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Northern Pin Oak	45	Sapling	5	28																																			
209	42220 - Natural Jack Pine	Sapling Well	13.6	34	Immature	N/A	This was a private parcel that was clearcut by the private landowner back in 1990 and acquired by the state shortly thereafter. It has come back thick to jack pine with a good percentage of stump sprouted oak also.																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Northern Pin Oak</td><td>20</td><td>Log</td><td>3</td><td>34</td></tr><tr><td>Jack Pine</td><td>80</td><td>Pole</td><td>4</td><td>34</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Northern Pin Oak	20	Log	3	34	Jack Pine	80	Pole	4	34																	
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210	42220 - Natural Jack Pine	Sapling Poor	18.4	6	Unspecified	N/A	Stand was final harvest in winter 2018/2019. Some regen is coming in and it should continue to as time goes on.																																
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