



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54130

Entry Year 2026

Acreage: 1,722

County Presque Isle

Management Area: Presque Isle Lake and Till Plains

Stand Examiner: Daniel Natzke

Legal Description:

T33N-R4E Sections 26-28 & 33-35

Identified Planning Goals:

Management goals in the Presque Isle Lake and Till Plain include balancing age classes of forested stands, producing a steady sustainable harvest of timber, decreasing planted jack pine acreage, increasing planted red pine acreage, and managing wildlife with special attention to habitat for American woodcock, ruffed grouse, golden winged warbler, snowshoe hare, Kirtland's warbler, elk, marten, black bear, wild turkey, and black backed woodpecker.

Soil and topography:

Compartment 130's topography is generally flat to gently rolling with some steeper slopes occurring in the west along Royston Road. The compartment is a roughly even mix of poorly drained lowlands and well-drained uplands. Fire and wind events about every 1000 years were common major disturbances.

The most common soil in the compartment is Lupton muck. It undergirds the large norther white cedar-dominated wetland in the center of the compartment. Lupton and Tawas mucks tend to grow cedar, tamarack, and black ash when forested. These forests saw stand replacing fires occurring between 500 and 2000 years with very rare surface fires that carried over from drier uplands. Hettinger, Hessel, and Glawe loams and mucky loams have slightly better drainage. These soils typically grow cedar and balsam fir and had a 500-2000 year interval between stand replacing fires with very rare surface fires. Au Gres, Crosswell, Iosco, and Allendale soils range from somewhat poorly to moderately well drained. Cedar, white pine, hemlock and red maple are common tree species on these soils. The stand-replacing fire return interval ranged from 250-950 years with light surface fires every 140-550 years.

The compartment's richest soils have a proportion of loam that supported beech-hemlock forests before European settlement. Other common tree species growing on East Lake and Cheboygan soils include maple, aspen, oak, balsam fir, and spruce. Stand-replacing fire return intervals in forests on these soils ranged from 1650-6500 years with very rare light surface fires. The well-drained to excessively well-drained sands of the Rubicon soils tended to support pine-hemlock-hardwood stands with pine, birch, and oak in early successional phases and maple and beech in late succession. Stand replacing fire occurred every 250-950 years with surface fires occurring every 140-550 years. The excessively well drained Grayling and Klacking soils featured jack pine barrens and jack pine forest before European contact. Stand replacing fire visited stands on these soils every 10-80 years with frequent surface fires every 2-20 years.

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

Farm lands are to the south and the east; hunting camps are to the north, and state lands are to the west.

Unique Natural Features:

Marl beds and Marl lakes are unique natural features found in this compartment.

Archeological, Historical, and Cultural Features:

There are no archaeological, historical, and cultural features known in this compartment.

Special Management Designations or Considerations:

The compartment does not have any special management designations or considerations.

Watershed and Fisheries Considerations:

The Ocqueoc River flows through the northern part of the compartment. It is possible that the headwaters of the Ocqueoc River are located in the large cedar swamp in the center of the compartment. Half Moon Lake and Marl Bed Lake are within or are adjacent to the compartment in its northwestern corner. The compartment does not contain any cold water streams.

Wildlife Habitat Considerations:

The primary focus of wildlife habitat management will be to address the habitat requirements identified for the listed featured species. Featured species in this compartment include black bear, ruffed grouse, and white-tailed deer. Based on

the selected featured species, some of the most significant wildlife management issues in the management area are the maintenance of young forest; the retention of large, over-mature trees and snags; and the maintenance and expansion of hard-mast and mesic conifer components.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial production of metallic minerals in this part of the state. No active sand/gravel operations are known to exist in the area. There may be some potential for sand and/or gravel within the compartment on the uplands, but the compartment might be too far from populated areas (markets) for any aggregate to have much economic value beyond use by the county road commission or DNR for local road maintenance. No known potential exists beneath the compartment for oil & gas from known producing formations. There has been no history of well permitting activity nor oil & gas leasing activity involving State-owned mineral rights in or around the compartment. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

Vehicle access is reasonable in upland areas. Royston Road makes up the western compartment boundary and small segment of County Road 634 represents the northern boundary. Access in the east may be from CR 634 then south along Huntley Road or from Morrow Road then north along Huntly road. State forest roads branch off of Royston and Huntley Roads. An approximately 200 acre block in the compartment's northwest is cut off by private boundaries, a stream, and the Ocqueoc River. Culverts, crane mats, or portable bridges across the stream may be necessary to access this block.

Survey Needs:

A survey may be necessary for a harvest planned to the east of Royston Road.

Recreational Facilities and Opportunities:

While there are no recreational trails within the compartment, hunting, trapping, fishing, foraging, and wildlife viewing opportunities exist.

Fire Protection:

DNR task forces from Alpena, Atlanta, and Onaway may respond to fires in the compartment along with local volunteer fire departments.

Additional Compartment Information:

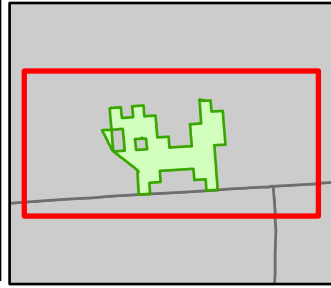
The following reports from the Inventory are attached:

- 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**

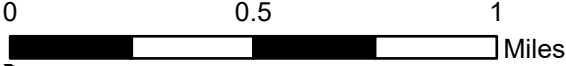
The following information is displayed, where pertinent, on the attached compartment maps:

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

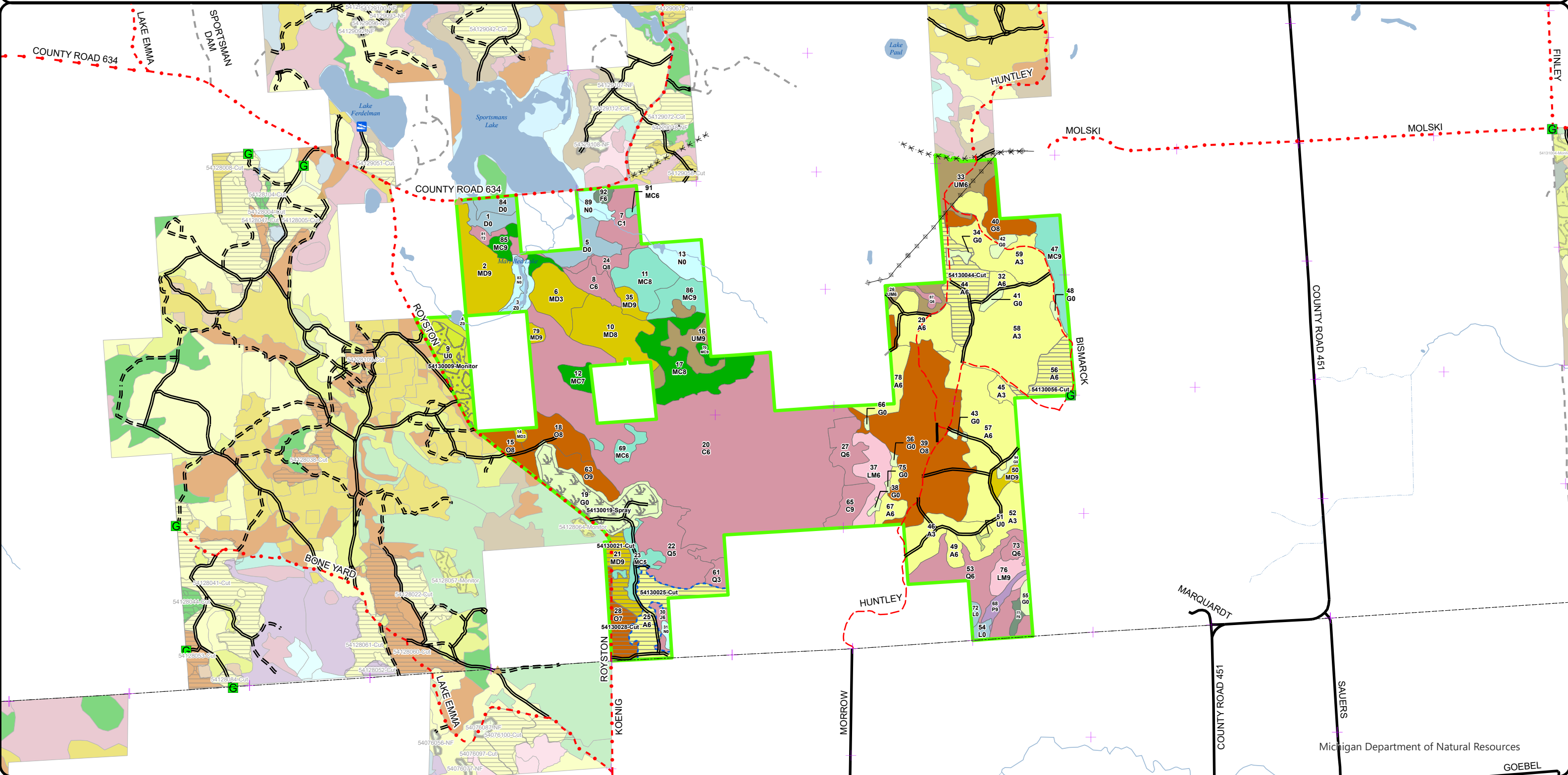
Cover Type & Treatments Map



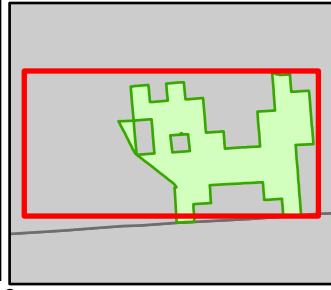
Compartment: 54130
 T33N, R4E, Sec: 26-28, 33-35
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Presque Isle Lake and Till Plains
 YOE: 2026
 Acres: 1722.4 GIS Calculated
 Examiner: Daniel Natzke
 Map Revised: 06/03/2024
 Map Phase: Web-Post



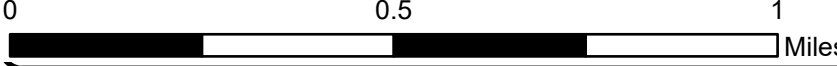
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|---|-------------------------------------|-----------------------------------|---------------------------------|----------------------------|
| ▲ Berms | --- County - Gravel Road | ⚡ Powerline | 413 - Aspen Types | 613 - Lowland Mixed Forest |
| ⊠ Gate | - - - County - Dirt Road (Seasonal) | ▭ Compartment Boundary | 419 - Mixed Upland Deciduous | 310 - Herbaceous Openland |
| ⚓ Boating Access Site | - - - Private - Dirt / Gravel Road | ⋯ Counties | 422 - Natural Pines | 320 - Upland Shrub |
| ⌒ Culvert | * * * Abandoned Railroads | ⋯ Treatments with Site Conditions | 423 - Other Upland Conifers | 330 - Low Density Trees |
| ⊕ Remonumented Section Corners | — Intermittent Stream | ☒ Pesticide | 429 - Mixed Upland Conifers | 500 - Water |
| == DNR - Secondary Forest Road | — Lake/Pond | ▨ Clearcut (w/Reserves) | 430 - Upland Mixed Forest | 622 - Lowland Shrub |
| == DNR - Forest Access Route | — Perennial River | ☒ Regeneration Survey | 611 - Lowland Deciduous Forest | 623 - Emergent Wetland |
| — Federal / State / County - Paved Road | ▭ Lakes and Rivers | ■ 412 - Oak Types | 612 - Lowland Coniferous Forest | |



Cover Type & Treatments Map



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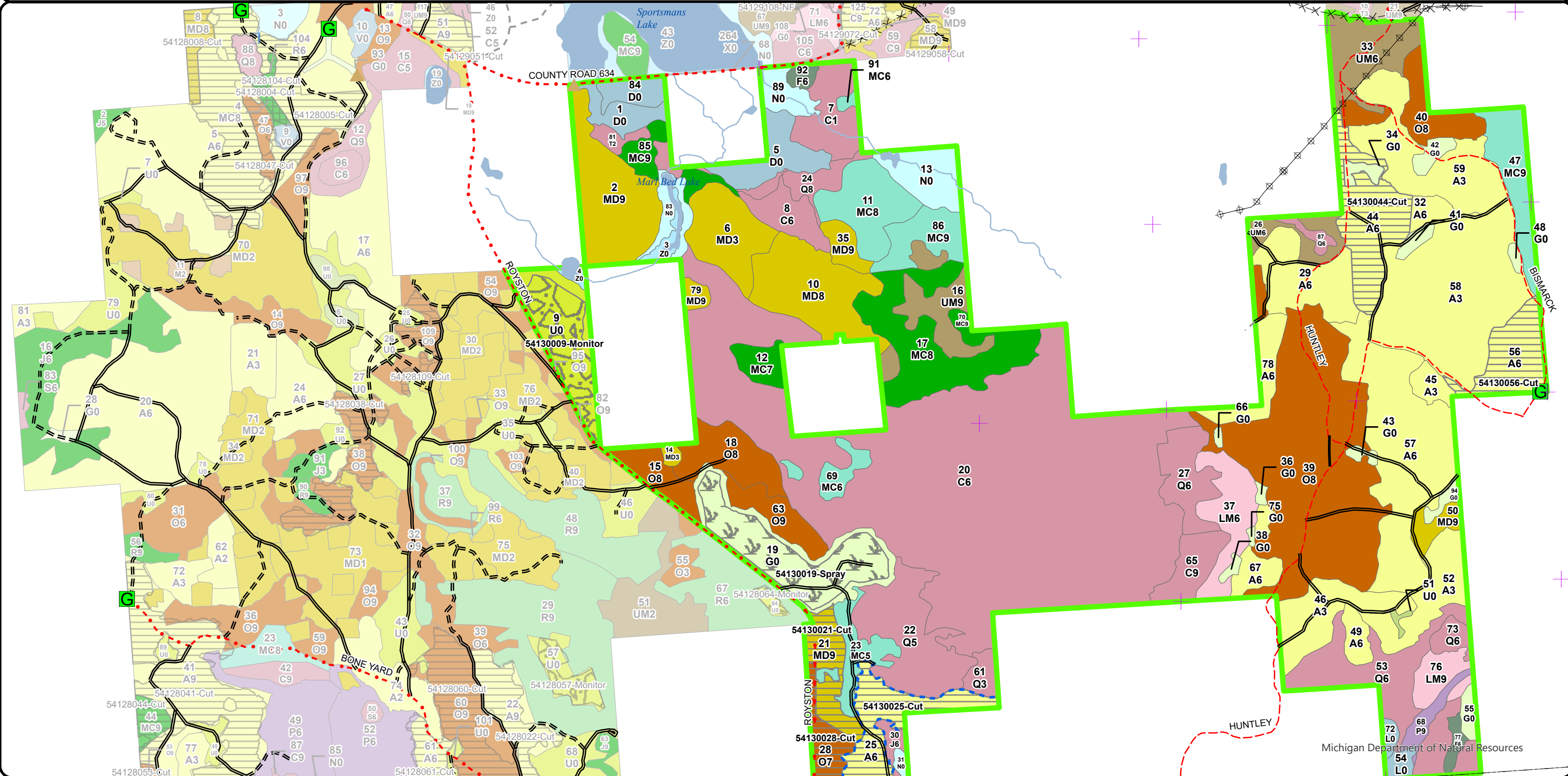


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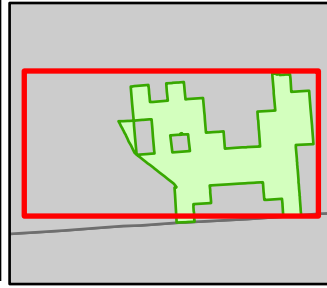
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Stand Boundary Map



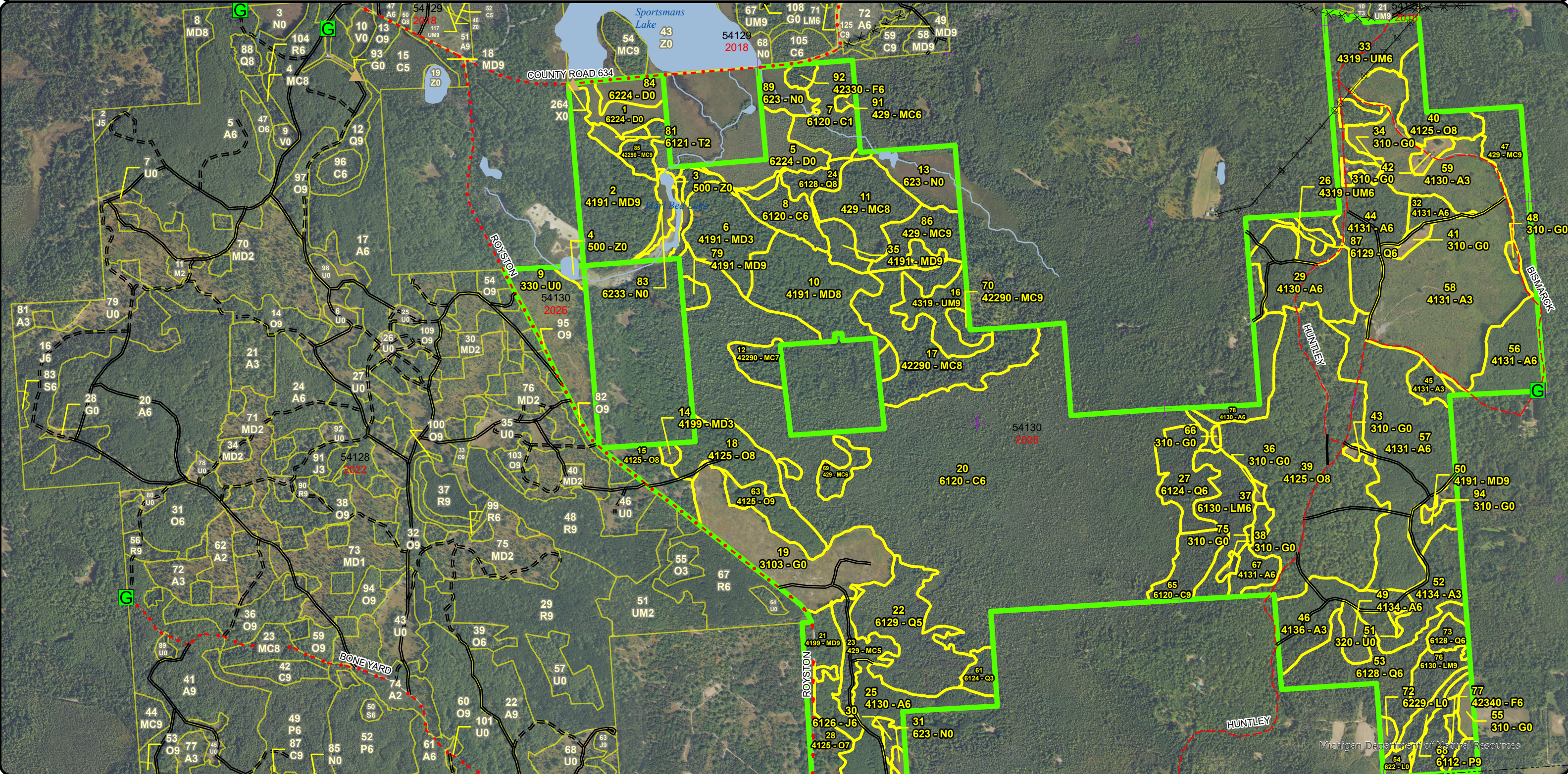
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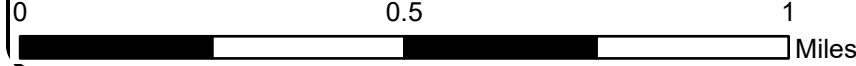
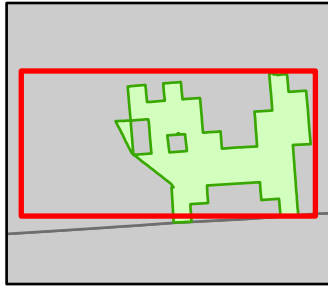
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**Special Conservation Areas
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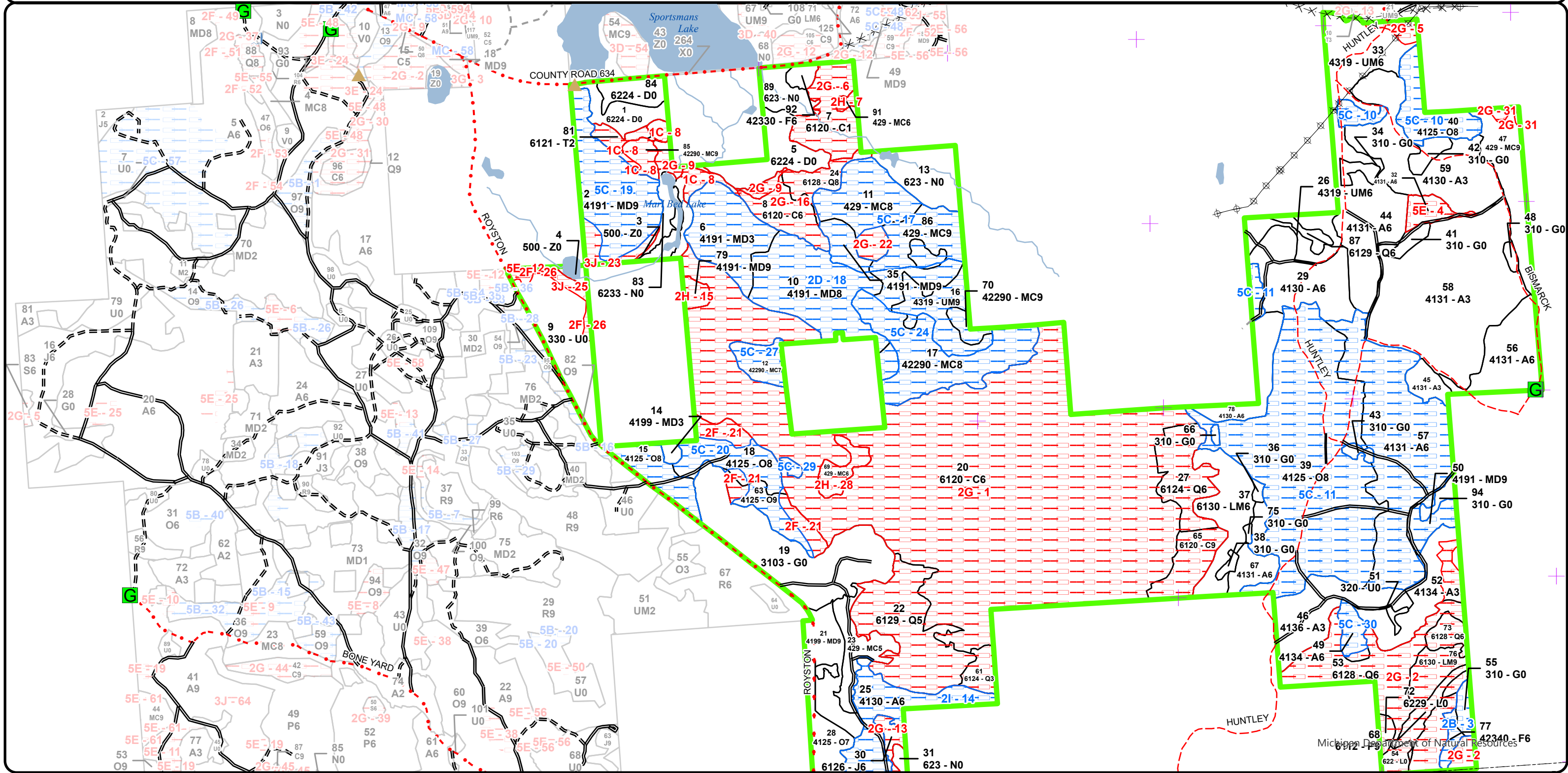
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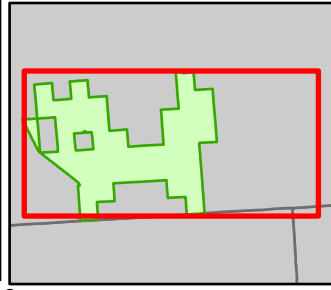
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- Stand Boundaries
- 2D: Portable Bridge Needed (Dept. bridge will be adequate)
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1C: Other dept or div proc/practices
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention



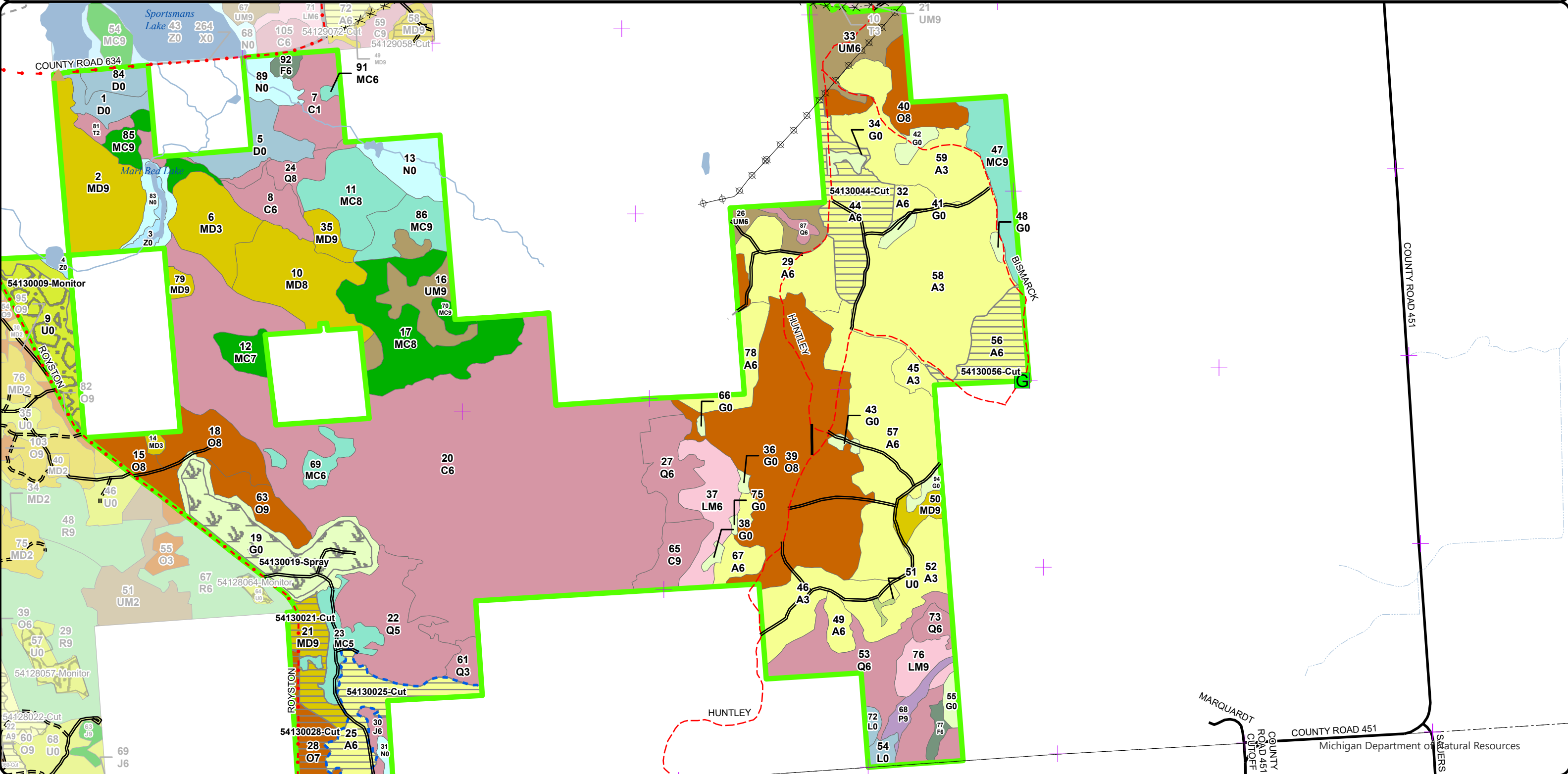
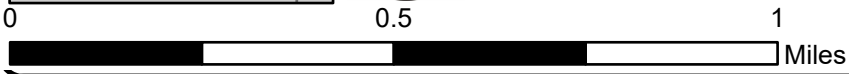
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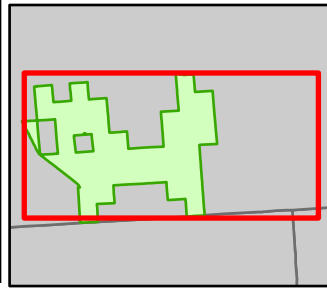
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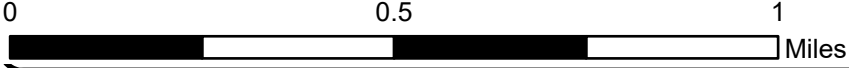
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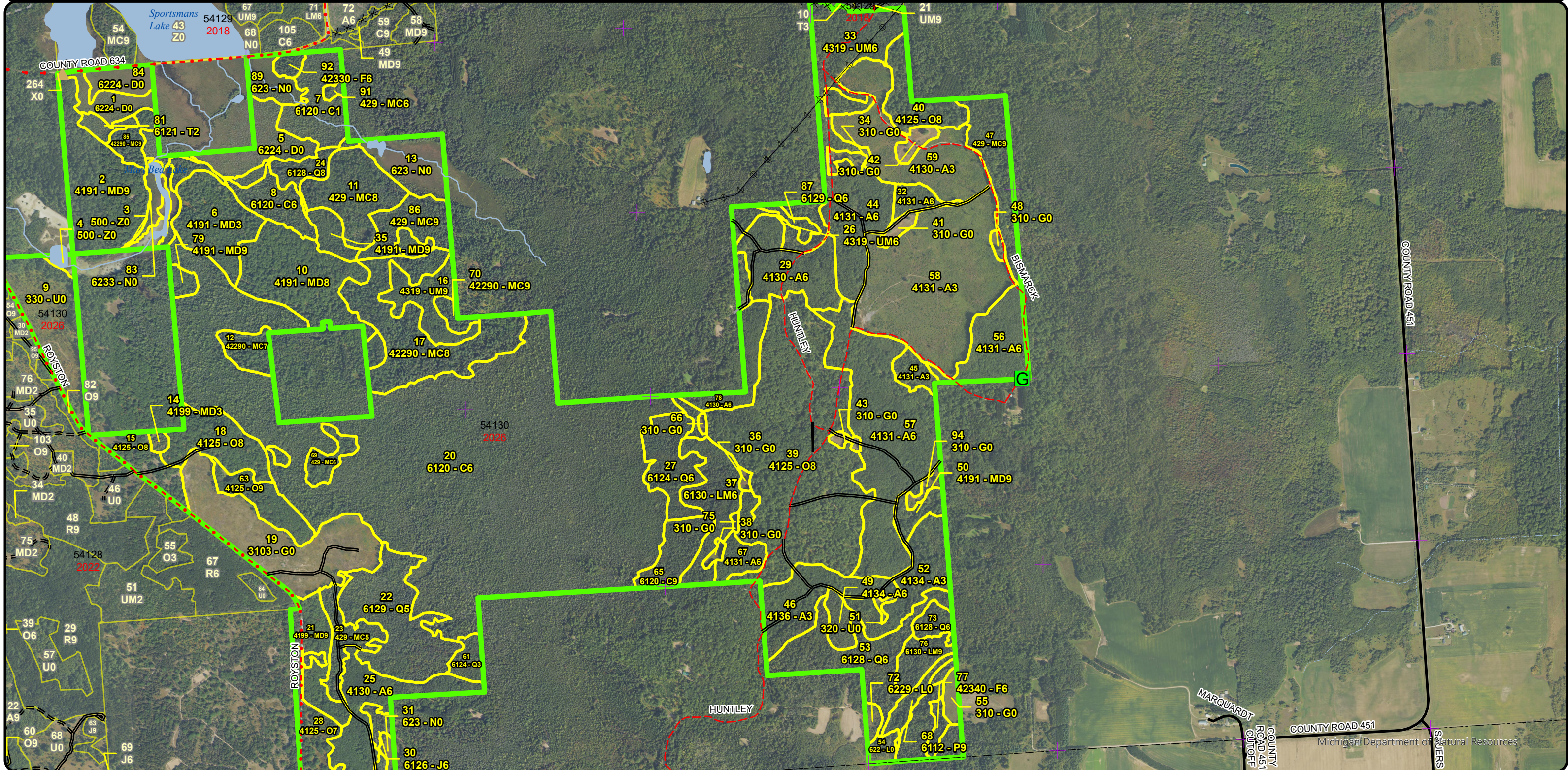


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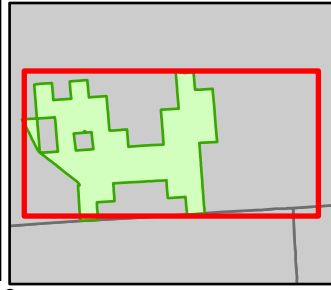


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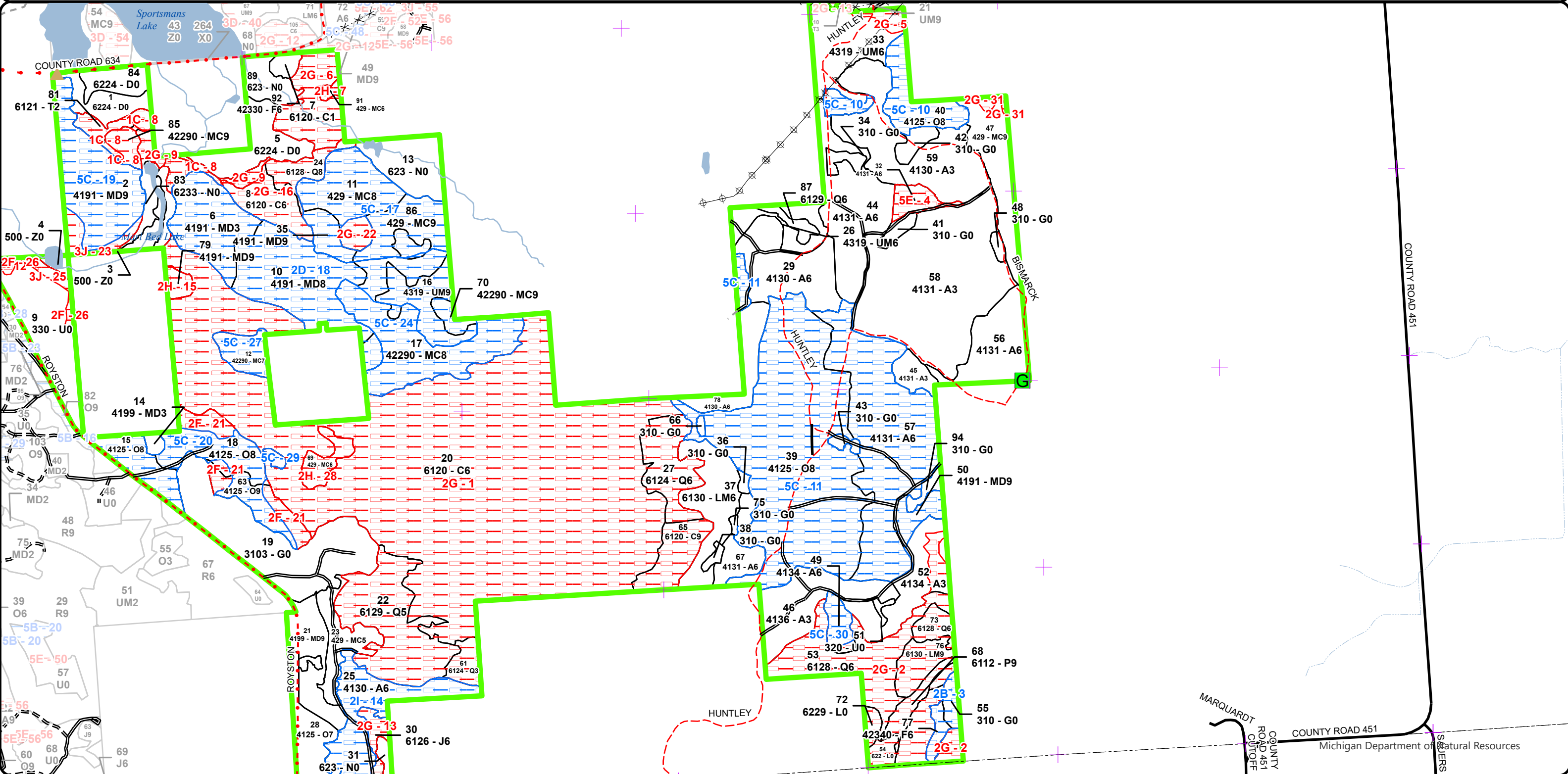
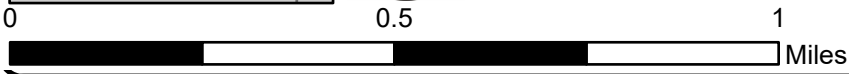


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Report 1 – Total Acres by Cover Type and Age Class



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+	Unseen-Aged	Total
Aspen	0	121	5	46	45	134	36	0	0	0	0	0	0	0	0	0	0	0	387
Cedar	0	0	0	0	0	0	0	0	0	0	0	404	12	0	0	0	0	0	416
Herbaceous Openland	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71
Jack Pine	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5
Low-Density Trees	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	6
Lowland Conifers	0	0	0	0	0	19	6	44	0	0	0	42	0	8	5	0	0	0	124
Lowland Mixed Forest	0	0	0	0	0	0	21	0	10	0	0	0	0	0	0	0	0	0	31
Lowland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Marsh	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Mixed Upland Deciduous	0	0	0	27	0	0	7	0	0	16	39	49	0	0	0	0	0	0	137
Natural Mixed Pines	0	0	0	0	0	0	0	14	0	0	0	0	8	46	0	0	0	0	68
Oak	0	0	0	0	0	0	0	0	0	16	64	130	0	0	0	0	0	0	210
Tamarack	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	8
Treed Bog	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Upland Conifers	0	0	0	0	0	0	0	16	35	1	0	0	0	34	0	0	0	0	86
Upland Mixed Forest	0	0	0	0	0	0	10	21	25	0	0	0	0	0	0	0	0	0	56
Upland Shrub	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Upland Spruce/Fir	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Total	185	121	5	73	48	156	80	95	76	38	103	625	29	88	5	0	0	0	1725



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Compartment 130

Year of Entry: 2026

Acres of Harvest

Total Compartment Acres: 1,722

Commercial Harvest - 86
 Harvests with Site Condition - 30
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Oversyory Removal	Salvage	Other	Total Acres
Aspen	84	0	0	0	0	0	0	0	0	84
Mixed Upland Deciduous	16	0	0	0	0	0	0	0	0	16
Oak	16	0	0	0	0	0	0	0	0	16
Total	116	0	0	0	0	0	0	0	0	116

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	116	0	0	0	0	36	27	0	0	180
Next Step	0	0	36	0	0	0	225	0	0	261
Total	116	0	36	0	0	36	252	0	0	441



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

21	54130021-Cut	16.0	4199 - Other Mixed Upland Deciduous	Sawtimber Well	87	51-80	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription Specs:</u> Clear cut with a small patch of area retention to protect the survey monument. Due to the size and shape of this stand and the composition of adjacent stands, oak wilt no exceptions.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Oak, aspen, maple with associated native conifers.</p> <p><u>Other Comment:</u> Slope is steep but not too steep. The slope is steep enough to complicate harvest considering the location of Royston Rd and the adjacent MC5 stand.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
25	54130025-Cut	29.9	4130 - Aspen	Poletimber Well	52	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Clear cut with 3-10% retention. Focus area retention around the jack pine stand in the SE or near wet areas. Current Atlanta grouse specification. Brush pile specification for rabbits and other wildlife every 300-500 feet along the swamp edge. Treatment pending survey.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Aspen, maple, oak, white pine, balsam fir, red pine, jack pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
28	54130028-Cut	16.4	4125 - Black, N. Pin Oak	Sawtimber Poor	86	1-50	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription Specs:</u> Clear cut without area retention. Mark leave trees, especially healthy, large crowned pine or single/clumps of healthy sapling/pole oak not to exceed 10BA. Due to the composition of this and surrounding stands, use the oak wilt specification without exceptions.</p> <p><u>Next Step Treatments:</u> ; Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Maple, aspen, oak, pine, fir of at least low stocking.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
44 54130044-Cut	32.5	4131 - Aspen, Oak	Poletimber Well	49	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clear cut with 3-10% retention. Leave red pine and white pine not to exceed 10BA over all. Oak wilt no exceptions due to the amount of oak in nearby stands.</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 Regen:</u> Aspen, oak, maple, white pine, red pine, balsam fir</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
56 54130056-Cut	21.6	4131 - Aspen, Oak	Poletimber Well	49	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clear cut without area retention due to stand size and browse concerns. Oak wilt no exceptions due to high proportion of oak within the stand and in surrounding stands. Current Atlanta grouse specifications.</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 Regen:</u> Aspen, oak, maple, white pine, red pine, balsam fir.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										

Approved Treatments:

9 54130009-Monitor	27.0	330 - Low-Density Trees	Nonstocked	0	Immature	Monitoring	Natural Regen (Intermediate)	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Previous regeneration failure. Search for trees sufficient to meet the acceptable regeneration statement.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Maple, oak, aspen and native conifers.</p> <p><u>Other Comment:</u> Percent to Treat = 100% Sale was closed January 2022. Date shown is incorrect</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2026</p>										



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	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
19	54130019-Spray	36.2	3103 - Rubus-Fern	Nonstocked	0	Unspecified	Pesticide	ERROR	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Site prep spray to remove undesired competition. <u>Specs:</u> FTP: C54-1106</p> <p><u>Next Step</u> ; Monitoring, Artificial Regen(1yr); Planting, Initial Plant; Monitoring, Herbicide Use; Monitoring, Artificial Regen(3yr) <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Replant to red pine.</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											

Total Treatment Acreage Proposed: 179.6

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 130
Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions	Dominant Site Conditions										
		With Condition				2B	2D	2I	5C	1C	2F	2G	2H	3J	5E	
387	271	105		11	Aspen			30	75			5				5
415	0	0		415	Cedar							415				
71	67	3		0	Herbaceous Openland	3										
5	0	0		5	Jack Pine							5				
32	27	0		5	Low-Density Trees						1			2		1
6	0	0		6	Lowland Aspen/Balsam Poplar							6				
122	3	0		119	Lowland Conifers							119				
32	21	0		10	Lowland Mixed Forest							10				
6	0	0		6	Lowland Shrub							6				
34	34	0		0	Marsh											
138	18	112		8	Mixed Upland Deciduous		64		48			0	3	5		
68	0	58		10	Natural Mixed Pines		12		45	9		1				
211	16	183		11	Oak				183		11					
9	0	0		9	Tamarack							9				
34	34	0		0	Treed Bog											
84	33	38		13	Upland Conifers				38			5	8			
56	32	21		3	Upland Mixed Forest		17		3			3				
1	1	0		0	Upland Shrub											
6	3	3		0	Upland Spruce/Fir	3										
7	7	0		0	Water											
1,722	567	524		631	Total Forested Acres	7	94	30	393	9	13	584	11	8		7
	33%	30%		37%	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)	447	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

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2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	76	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments: Mucky substrate. Very wet. Standing water is common.							
3	Available	2B: Unknown if access through adjacent landowner(s) is possible	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Two upland stands surrounded by private land and swamp. Access would be difficult and the value of the products, low.							
4	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Site condition 5E previously indicated for stand 44. Believe stand 44 was harvested and the remaining portions assigned new stand numbers. Long-term aggregate retention for harvest in the stands to the north and south.							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hummocky sphagnum and tip-up mounds. Lowland brush, swamp tree species, and standing water.							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	5D: Unproductive Forest Land	Unspecified	Unspecified	Unspecified
Comments: Extremely wet, mucky soils. Standing water between sphagnum hummocks.							
7	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 130
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8	Unavailable	1C: Other dept or div proc/practices	9	2F: Too steep	3D: Recreational / Scenic values	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	5D: Unproductive Forest Land	Unspecified	Unspecified	Unspecified
Comments: Far too wet. Stunted growth on most trees.							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Save until stands 33, to the N and W, and 47, to the S and E, meet silvicultural criteria.							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	206	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention pocket from stand 9 and sale 54-045-16-01							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Many areas probably too wet most of the time.							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 130
Year of Entry: 2026

14	Available	2I: Survey needed	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments: As of winter 2023/24 inventory, no solid monuments found along the private line.							
15	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	47	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	2D: Portable Bridge Needed (Dept. bridge will be adequate)	94	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access across stream/marl bed lake was by a fill road bed (not sure what kind of fill) leading to an area that might've been crushed limestone covered culverts at the stream course or a portable bridge.							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Awaiting oak guidance. If entered, try to enter the stands to the east across marl bed lake at the same time.							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 130
Year of Entry: 2026

20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Browse is a major concern. As is final guidance for oak treatments.							
21	Unavailable	2F: Too steep	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Steep slopes terminate in swamp stand with no room to turn equipment at the bottom. A steep kettle depression between.							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Bog pocket							
23	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Approximate location of the 135' (steeper slopes) to 115' BMP setback from Marl Bed Lake							
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Setback for Marl Bed Lake.							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 130
Year of Entry: 2026

26	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: These areas were likely deemed too steep during sales preparation by nature of the slope and proximity to the private property boundary.							
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Upland islands in cedar swamp							
29	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold for another cycle or coordinate harvest with stands 46 and 52 (A3 in 2024) adjacent.							
31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

Conservation Area	Type	Description	ERA = Ecological Reference Area	HCVA = High Conservation Value Area	SCA = Special Conservation Area
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	6224 - Treed Bog	Nonstocked	9.2		Immature	No	A little better than 84 to the north. Denser and taller trees but still easily too wet.				
								Sub-Canopy Species	Density	Avg. Height	Size
								Northern White Cedar	Medium	10 - 20 feet	Sapling
								Sphagnum Moss	High	Unspecified	Non-Wood
								Cattail spp.	High	Unspecified	Non-Wood
								Leatherleaf	High	< 5 feet	Tall Shrub
								Mixed Sedges/Grasses	High	Unspecified	Non-Wood
								Tamarack	Medium	10 - 20 feet	Sapling
								Alder	Low	5 - 10 feet	Tall Shrub
								Black Spruce	Trace	>20 feet	Sapling
White Pine	Trace	>20 feet	Sapling								

2	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	40.0	104	81-110	N/A	Past species removals and most recently a shelterwood in 1999.									
								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
								White Pine	20	Log/XLog	16		White Pine	High	Variable	Sapling
								Bigtooth Aspen	10	Log/Pole	10	57	Balsam Fir	Low	Variable	Sapling
								Northern White Cedar	1	Log	10		Huckleberry	Low	< 5 feet	Tall Shrub
								Red Pine	12	Log/Pole/XLog	14		Black Spruce	Low	10 - 20 feet	Sapling
								Black/Red (Hybrid) Oak	44	Log	14	104	Red Pine	Low	Variable	Sapling
								Jack Pine	1	Log	10		Blueberry/Bilberry/Cranberry	High	< 5 feet	Tall Shrub
								Red Maple	7	Pole	6		Red Maple	Low	Variable	Sapling
								White Oak	5	Log/Pole	12					

3	500 - Water	Nonstocked	4.9		Immature	No	Limestone ford 8" deep during survey.				
								Sub-Canopy Species	Density	Avg. Height	Size
								Leatherleaf	Low	< 5 feet	Tall Shrub
Rushes	Low	Unspecified	Non-Wood								

4	500 - Water	Nonstocked	1.8		Unspecified	No	Marl Bed Lake
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5	6224 - Treed Bog	Nonstocked	16.9		Immature	No	Non-productive and wet.				
								Sub-Canopy Species	Density	Avg. Height	Size
								Northern White Cedar	High	5 - 10 feet	Sapling
								Mixed Sedges/Grasses	Medium	Unspecified	Non-Wood
								Cattail spp.	Medium	Unspecified	Non-Wood
								Tamarack	Medium	10 - 20 feet	Sapling
								Leatherleaf	High	< 5 feet	Tall Shrub
								Sphagnum Moss	High	Unspecified	Non-Wood
								Black Spruce	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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6	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	25.6	26	1-50	N/A	Probably about 30BA of oak and pine remaining from previous harvest with the balance of the standing being stump and root sprout origin red maple and aspen saplings. Red maple is more numerous on the northeast face of the ridge and aspen is more numerous on the southwest face of the ridge. Beavers removed aspen in a couple pockets on the stand's west facing the stream.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	20	Pole/Sap/Log	8	
Red Pine	7	Log/Pole	10	
White Oak	2	Log	11	
Beech	1	Pole	7	
Red Maple	25	Sapling/Pole	3	26
Black/Red (Hybrid) Oak	15	Log/XLog	16	

7	6120 - Lowland Cedar	Sapling Poor	19.6	100	1-50	N/A	Unproductive forest. Extremely wet. Standing water between sphagnum hummocks over muck. Stringers of poles surrounded by saplings and lowland brush.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	15	Sapling	2	
Tamarack	9	Pole/Sapling	5	
Northern White Cedar	55	Sapling/Pole	4	100
Black Spruce	15	Sapling	2	
Paper Birch	1	Sapling/Pole	4	
Balsam Poplar	5	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Alder	High	5 - 10 feet	Tall Shrub
Gray Dogwood	Low	5 - 10 feet	Tall Shrub
Leatherleaf	Low	< 5 feet	Tall Shrub
Sphagnum Moss	High	Unspecified	Non-Wood
Cattail spp.	Low	Unspecified	Non-Wood

8	6120 - Lowland Cedar	Poletimber Well	12.3	116	141-170	N/A	Cedar towards the center and black spruce on the perimeter. Dense balsam fir throughout. Better productivity to the east but still too wet.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Pole/Sapling	6	
Tamarack	10	Pole/Log	8	114
Paper Birch	2	Log/Pole	10	
Black Spruce	20	Pole/Log	8	
Northern White Cedar	53	Log/Pole/Sap	10	116
Balsam Fir	3	Pole/Sapling	6	
White Pine	2	Log/XLog	16	
Red Maple	5	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Leatherleaf	Medium	< 5 feet	Tall Shrub
Balsam Fir	High	5 - 10 feet	Sapling
Sphagnum Moss	High	Unspecified	Non-Wood
Blueberry/Bilberry/Cranberry	Low	< 5 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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9	330 - Low-Density Trees	Nonstocked	32.3	0	Immature	4199 - Other Mixed Upland Deciduous	Currently, the best regeneration is formerly suppressed maple and oak that escaped the 2" cutting requirement. Most of the regeneration is red maple. Stocking would be high red maple if it weren't browsed to 2-3'. It's likely that in time, maple, aspen, and maybe a few oak will fill in the stand a little more and make it above browse height. Judging by the species present withing the stand and surrounding stands, this was probably a low-medium quality hybrid oak stand.				
								Sub-Canopy Species	Density	Avg. Height	Size
								Mixed Sedges/Grasses	High	Unspecified	Non-Wood
								Red Pine	Trace	>20 feet	Sapling
								Red Maple	Medium	Variable	Sapling
								Blueberry/Bilberry/Cranberry	Medium	< 5 feet	Tall Shrub
								White Oak	Low	10 - 20 feet	Sapling
								Sweet Fern	Low	< 5 feet	Tall Shrub
								Bigtooth Aspen	Low	>20 feet	Sapling
								Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
								Blackberry/Raspberry	Trace	< 5 feet	Tall Shrub
								Jack Pine	Trace	Variable	Sapling
White Pine	Low	Variable	Sapling								

10	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	38.8	95	81-110	N/A	Age estimate based on nearby stands. Medium to lower quality oak. Considerable white pine in the understorey. There is a rail grade or tote road at base of the northeast slope. Pockets of 50 year old big tooth aspen skipped at last harvest are on north slope.									
								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
								White Pine	18	Log/Pole/XLog	14		Bigtooth Aspen	Low	>20 feet	Sapling
								Bigtooth Aspen	10	Pole	7		Blueberry/Bilberry/Cranberry	Medium	< 5 feet	Tall Shrub
								Red Maple	10	Pole	6		Huckleberry	Low	< 5 feet	Tall Shrub
								Red Pine	13	Log/XLog	14		Balsam Fir	Medium	>20 feet	Sapling
								White Oak	2	Log	13		White Pine	High	Variable	Sapling
								Black/Red (Hybrid) Oak	47	Log	17	95	Red Maple	Medium	Variable	Sapling

11	429 - Mixed Upland Conifers	Sawtimber Medium	25.7	120	81-110	N/A	There are a couple of boggy pockets and seasonally wet swales. Red pine age is an estimate based on similar trees in nearby stands. Frequent legacy red and white pine.									
								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
								Northern White Cedar	5	Log	12		Red Maple	Medium	Variable	Sapling
								White Pine	15	XLog	18		Black Spruce	Low	>20 feet	Sapling
								Balsam Fir	15	Pole	7		Meadowsweet	Low	< 5 feet	Tall Shrub
								Red Pine	30	Log/Pole/XLog	17	120	Alder	Low	5 - 10 feet	Tall Shrub
								Bigtooth Aspen	8	Pole	7		Balsam Fir	Full	Variable	Sapling
								Paper Birch	2	Pole	8		Sphagnum Moss	Low	Unspecified	Non-Wood
								Quaking Aspen	10	Pole	8					
								Red Maple	15	Pole/Sapling	6	56				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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12 42290 - Natural Mixed Pine Sawtimber Poor 8.0 118 81-110 N/A An upland knoll with a goodly slope emerging from the swamp. Conifers are more common than the upland immediately to the north.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	40	Log/Pole/XLog	13	118	White Pine	High	Variable	Sapling
Red Pine	31	Log/Pole	13	118	Balsam Fir	High	Variable	Sapling
Black/Red (Hybrid) Oak	7	XLog/Log	18		Red Maple	Low	>20 feet	Sapling
Red Maple	10	Pole/Sapling	7	26	Red Pine	Low	>20 feet	Sapling
Balsam Fir	5	Pole/Sapling	7		Wintergreen	High	< 5 feet	Tall Shrub
Paper Birch	2	Pole/Log	9		Black Spruce	Low	10 - 20 feet	Sapling
Black Spruce	5	Pole	7					

13 623 - Emergent Wetland Nonstocked 16.9 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Sphagnum Moss	Medium	Unspecified	Non-Wood
Meadowsweet	Low	< 5 feet	Tall Shrub
Red Osier Dogwood	Low	5 - 10 feet	Tall Shrub
Tamarack	Low	>20 feet	Sapling
Alder	Low	5 - 10 feet	Tall Shrub
White Pine	Trace	Variable	Sapling
Mixed Sedges/Grasses	High	Unspecified	Non-Wood

14 4199 - Other Mixed Upland Deciduous Sapling Well 1.6 26 Immature N/A Previous inventory notes indicate this is an old landing. Stand margins have better overall recruitment, and browse is harder to the center.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Pole/Sapling	6		Blueberry/Bilberry/Cranberry	High	< 5 feet	Tall Shrub
Balsam Fir	1	Sapling	2					
Red Maple	45	Sapling	1	26				
Black/Red (Hybrid) Oak	44	Sapling	2	26				

15 4125 - Black, N. Pin Oak Sawtimber Medium 12.4 97 1-50 N/A Low to medium quality oak with moderate oak regeneration, especially white oak in the south. Maple is browsed to about 2'.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	2	Log	11		Sweet Fern	Low	< 5 feet	Tall Shrub
Jack Pine	10	Pole	8	67	Cherry (spp.)	Low	5 - 10 feet	Sapling
Northern Pin Oak	76	Log/Pole	13	97	Red Maple	High	Variable	Sapling
White Pine	5	Pole/Log	8		Balsam Fir	Trace	5 - 10 feet	Sapling
White Oak	5	Log/Pole	13		Cladonia (Reindeer moss)	Low	Unspecified	Non-Wood
Red Maple	2	Pole	7		Northern Pin Oak	Low	< 5 feet	Sapling
					Hawthorn (spp.)	Trace	5 - 10 feet	Tall Shrub
					White Pine	Low	Variable	Sapling
					Mixed Sedges/Grasses	Medium	Unspecified	Non-Wood
					White Oak	Medium	10 - 20 feet	Sapling
					Blueberry/Bilberry/Cranberry	Medium	< 5 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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16	4319 - Mixed Upland Forest	Sawtimber Well	20.9	63	81-110	N/A	Carved out of a very mixed stand by joining nearby aspen clones. Occasional 26 year old aspen in the far east but generally at an age to meet silvicultural criteria. A few sugar maple poles. 120 year old pine are possible in this and surrounding stands.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole	6		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	5	Pole	6		Red Maple	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	10	Log/XLog	17					
Balsam Fir	10	Pole/Sapling	6					
White Pine	23	Log/Pole	11	63				
Bigtooth Aspen	20	Pole	7	26				
Red Pine	15	Log/XLog/Pole	14					
Red Maple	13	Pole/Sapling	6					
Sugar Maple	2	Pole/Sapling	6					

17	42290 - Natural Mixed Pine	Sawtimber Medium	46.3	126	81-110	N/A	There is are 140 and 120 year old pine cohorts but most are about 80 years old. There are seasonally wet areas, especially in the south. There are fire scars on the east face of older trees.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	15	Log/Pole/XLog	14		Leatherleaf	Low	< 5 feet	Tall Shrub
Black Spruce	5	Pole	8		White Pine	Low	Variable	Sapling
Red Maple	7	Pole	7		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	8	Pole	6		Wintergreen	Medium	< 5 feet	Tall Shrub
Bigtooth Aspen	5	Pole	8		Red Maple	Medium	>20 feet	Sapling
Quaking Aspen	5	Pole	7		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Pine	50	Log/Pole/XLog	15	126	Bigtooth Aspen	Low	>20 feet	Sapling
Black/Red (Hybrid) Oak	5	XLog	18					

18	4125 - Black, N. Pin Oak	Sawtimber Medium	20.3	94	81-110	N/A	There are steep slopes to the east. Thickets of often suppressed red maple and big tooth aspen from species removal 25-6 years ago. The stand examiner kept the previous inventory age because it was close to a similar neighboring stand. Heavy browse to red maple keeps them under 3'. Kettle depression in the south.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	1	Log	14		Huckleberry	Low	< 5 feet	Tall Shrub
Black Spruce	1	Pole	7		Blueberry/Bilberry/Cranberry	Medium	< 5 feet	Tall Shrub
Balsam Fir	5	Pole	7		Balsam Fir	Low	Variable	Sapling
Jack Pine	1	Pole	6		White Pine	Low	Variable	Sapling
White Pine	10	Pole	7		Bigtooth Aspen	Medium	>20 feet	Sapling
Red Maple	10	Pole/Sapling	6		Red Maple	High	Variable	Sapling
Black/Red (Hybrid) Oak	70	Log	14	94				
Bigtooth Aspen	2	Log	11					

19	3103 - Rubus-Fern	Nonstocked	49.3	0	Unspecified	4211 - Planted Red Pine	The trenching of this stand was completed on 5/22/23. Final harvest done in December 2017. Left a few den trees. Low stumps. 1/6 slash was left. Gently rolling hills. FTP: C54-1106 This stand was roller chopped on 09/19/2021.
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Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak	Low	5 - 10 feet	Sapling
Cherry (spp.)	Low	5 - 10 feet	Tall Shrub
Mixed Sedges/Grasses	Medium	Unspecified	Non-Wood



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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20	6120 - Lowland Cedar	Poletimber Well	370.6	109	141-170	N/A	But for a few areas on the stand's periphery, this stand is too wet to harvest. Surface water is very common. A branch of the Ocqueoc river likely originates in the northeast. Possible center section corner done by private survey in the south.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Pine		5	Log	14		Sphagnum Moss		High	Unspecified	Non-Wood	
Balsam Poplar		3	Pole	5		Alder		Low	5 - 10 feet	Tall Shrub	
Northern White Cedar		65	Pole/Log	8	109	Leatherleaf		Low	< 5 feet	Tall Shrub	
Black Spruce		15	Pole/Sapling	7		Balsam Fir		Low	< 5 feet	Sapling	
Balsam Fir		5	Pole/Sapling	6							
Tamarack		5	Pole	6							
Hemlock		2	Log	14							

21	4199 - Other Mixed Upland Deciduous	Sawtimber Well	16.0	87	51-80	N/A	This stand is located on steep but operable slopes. Considerable ingrowth of aspen in the south.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Black/Red (Hybrid) Oak		35	Log	14	87	Cherry (spp.)		Medium	< 5 feet	Tall Shrub	
White Pine		2	Pole	6		Red Pine		Trace	10 - 20 feet	Sapling	
Bigtooth Aspen		25	Pole	7		Balsam Fir		Low	5 - 10 feet	Sapling	
Red Pine		5	Log/Pole	12		Blueberry/Bilberry/Cranberry		High	< 5 feet	Tall Shrub	
Red Oak		10	Log	16		White Oak		Trace	5 - 10 feet	Sapling	
White Oak		3	Log	14		Red Maple		Medium	< 5 feet	Sapling	
Jack Pine		5	Pole	8		White Pine		Low	Variable	Sapling	
Red Maple		15	Pole/Sapling	6		Black/Red (Hybrid) Oak		Low	Variable	Sapling	

22	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	38.8	105	81-110	N/A	Basins of alder, Michigan holly, and stunted black spruce with a few shallow rises that might be operable if it weren't for their unreasonably small size and shape. Veins of cedar and spruce intermingle. Old air photos seem to show this more as a marsh or a treed bog.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Tamarack		2	Pole	7		Leatherleaf		High	< 5 feet	Tall Shrub	
Paper Birch		2	Log/Pole	10		Michigan Holly		Medium	5 - 10 feet	Tall Shrub	
Black Spruce		47	Pole	9	105	Tag Alder		Medium	5 - 10 feet	Tall Shrub	
White Pine		2	Log/XLog	16		Sphagnum Moss		High	Unspecified	Non-Wood	
Red Maple		5	Pole	6							
Red Pine		2	Log	14							
Northern White Cedar		40	Log/Pole	10							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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23 429 - Mixed Upland Conifers Poletimber Medium 13.5 77 51-80 N/A

26 year old aspen on the western stand margins. This stand generally seems like a swale between the upland to the west and north before transitioning to slight rise then a wetland in the east. Jack pine about 50 years old are still doing well but the ones about 80 years old are declining.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Log	13		White Oak	Trace	10 - 20 feet	Sapling
Black Spruce	7	Pole/Sapling	6		Black/Red (Hybrid) Oak	Trace	>20 feet	Sapling
Red Maple	15	Pole/Sapling	6		Cherry (spp.)	Low	< 5 feet	Tall Shrub
Paper Birch	5	Pole/Sapling	7		Blueberry/Bilberry/Cranberry	Full	< 5 feet	Tall Shrub
Bigtooth Aspen	10	Pole/Sapling	7		Leatherleaf	Medium	< 5 feet	Tall Shrub
Balsam Fir	5	Pole	6		Red Maple	Medium	Variable	Sapling
Red Pine	5	Log	12					
Jack Pine	49	Pole	8	77				
Black/Red (Hybrid) Oak	2	Log	16					

24 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Medium 7.6 120 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole	8		Red Maple	Medium	Variable	Sapling
Quaking Aspen	15	Pole	8		Black Spruce	Low	>20 feet	Sapling
Balsam Fir	15	Pole	7		Sphagnum Moss	Low	Unspecified	Non-Wood
Red Pine	25	Log/Pole/XLog	17	120	Meadowsweet	Low	< 5 feet	Tall Shrub
Bigtooth Aspen	8	Pole	7		Alder	Low	5 - 10 feet	Tall Shrub
Northern White Cedar	5	Log	12		Balsam Fir	Full	Variable	Sapling
White Pine	15	XLog	18					
Red Maple	15	Pole/Sapling	6	53				

25 4130 - Aspen Poletimber Well 29.9 52 81-110 N/A

No obvious signs of surveyed monuments found in the winter, only old fence corners. Portions of the trail running through the dense fir area may be seasonally wet. Old skid trails in the east indicate rutting will be a problem in wet times of the year. Poorer areas look to have 3-4 stick trees where better areas probably have 6-7 stick heights.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	2	Pole	8		Balsam Fir	Low	Variable	Sapling
White Pine	3	Log/Pole	12		Wintergreen	High	< 5 feet	Tall Shrub
Red Pine	2	XLog/Log	18		Blueberry/Bilberry/Cranberry	High	< 5 feet	Tall Shrub
Red Maple	5	Pole/Sapling	6		Red Pine	Trace	10 - 20 feet	Sapling
Balsam Fir	7	Pole	7		Red Maple	Medium	Variable	Seeding
Bigtooth Aspen	62	Pole/Log	8	52				
Quaking Aspen	10	Pole	7					
Black Spruce	2	Pole	6					
Red Oak	5	XLog/Log	18					
Paper Birch	2	Pole	7					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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26	4319 - Mixed Upland Forest	Poletimber Well	9.9	58	81-110	N/A	Aspen age probably better reflects the age of the stand from the time of the last harvest. White pine were probably advanced regeneration in the prior stand. Stand slopes down to wetter soils to the north and west. Cedar found in wetter areas. Aspen found in higher part of stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	10	Log	14		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
White Pine	23	Log/Pole	12	58	Balsam Fir	Low	Variable	Sapling
Quaking Aspen	22	Pole	7	51	Red Maple	High	< 5 feet	Seeding
Red Maple	15	Pole	7					
Black/Red (Hybrid) Oak	10	Log/XLog	16					
Bigtooth Aspen	5	Pole/Sapling	7					
Balsam Fir	10	Pole/Sapling	7					
Paper Birch	5	Pole	8					

27	6124 - Lowland Spruce-Fir	Poletimber Well	18.6	44	81-110	N/A	Piney pocket in northeast. Too wet.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	35	Sapling/Pole	4	44	Alder	Low	5 - 10 feet	Tall Shrub
Northern White Cedar	5	Pole/Sapling	5		Gray Dogwood	Low	5 - 10 feet	Tall Shrub
Black Spruce	20	Pole/Sapling	7	51	Leatherleaf	Medium	< 5 feet	Tall Shrub
Tamarack	5	Pole/Sapling	6					
White Pine	5	Pole	7					
Red Pine	5	Pole/Sapling	6					
Quaking Aspen	15	Pole/Sapling	6					
Red Maple	5	Pole/Sapling	5					
Paper Birch	5	Pole	6					

28	4125 - Black, N. Pin Oak	Sawtimber Poor	16.4	86	1-50	N/A	Past species removals yielded a low stocked-log oak stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	67	Log	16	86	White Pine	Trace	< 5 feet	Sapling
White Pine	2	Log	12		Red Pine	Trace	< 5 feet	Sapling
Red Pine	2	Pole	9		Cherry (spp.)	Low	< 5 feet	Tall Shrub
Jack Pine	5	Pole	8		Blueberry/Bilberry/Cranberry	High	< 5 feet	Tall Shrub
White Oak	2	Log	16		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Red Maple	10	Pole	7		Balsam Fir	Trace	10 - 20 feet	Sapling
Black Cherry	2	Sapling/Pole	4		Red Maple	High	Variable	Sapling
Bigtooth Aspen	10	Pole	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
29	4130 - Aspen	Poletimber Well	27.0	34	1-50	N/A	Just becoming a pole stand. Aspen age supports the cutting record.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	63	Pole	5	34	Black/Red (Hybrid) Oak	Low	< 5 feet	Seeding
Red Pine	5	Log/Pole	10		Red Maple	Medium	< 5 feet	Seeding
Black/Red (Hybrid) Oak	5	Sapling	2		Huckleberry	Medium	< 5 feet	Tall Shrub
White Pine	10	Pole	8					
Red Maple	10	Sapling/Pole	3					
Quaking Aspen	5	Sapling/Pole	4					
Balsam Fir	2	Pole/Sapling	6					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
30	6126 - Lowland Jack Pine	Poletimber Well	4.7	85	51-80	N/A	Previous harvests likely left this stand as a wetland buffer. May relate to stand 23 to the north. Transitional from upland to lowland. Jack pine has an about 80 year old cohort and an about 40 year old cohort.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	5	Log	13		Red Pine	Trace	10 - 20 feet	Sapling
Quaking Aspen	5	Pole/Log	8		Alder	Low	5 - 10 feet	Tall Shrub
Paper Birch	2	Pole	8		Leatherleaf	High	< 5 feet	Tall Shrub
Jack Pine	56	Pole/Log	8	85	Red Maple	Medium	Variable	Sapling
Black Spruce	5	Pole	7		Black Spruce	Trace	Variable	Sapling
Red Pine	10	Log/Pole	11	92				
Balsam Fir	2	Pole	7					
Red Maple	15	Pole	6					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
31	623 - Emergent Wetland	Nonstocked	2.0		Immature	No	

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Sedges/Grasses	High	Unspecified	Non-Wood
Meadowsweet	Medium	< 5 feet	Tall Shrub
Alder	Low	5 - 10 feet	Tall Shrub

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
32	4131 - Aspen, Oak	Poletimber Well	5.4	34	111-140	N/A	This stand is retention for harvests in stand 58 and 59, formerly stand 44, which was broken up in the last entry. Aspen age is probably too low.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Scotch Pine	3	Log/Pole	11	56	Blueberry/Bilberry/Cranberry	High	< 5 feet	Tall Shrub
Red Maple	10	Pole/Sapling	5		Beech	Trace	< 5 feet	Seeding
Black/Red (Hybrid) Oak	22	Log/Pole	13		Black/Red (Hybrid) Oak	Low	< 5 feet	Seeding
Red Pine	10	Log	11	52	White Pine	Low	10 - 20 feet	Sapling
Bigtooth Aspen	50	Pole/Sapling	7	34	Balsam Fir	Trace	< 5 feet	Seeding
White Pine	5	Log/Pole	10		Red Maple	Medium	< 5 feet	Sapling
					Witch Hazel	Low	Variable	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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33 4319 - Mixed Upland Forest Poletimber Well 25.0 70 111-140 N/A

Area too wet to manage in north. There are no plantation records for pine in the section/quarter section. Red pine harvested 1973-4, onward.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	8	Pole	8	
Red Pine	20	Log/Pole/XLog	12	54
Northern White Cedar	2	Log	10	
Black Spruce	5	Pole/Sapling	7	94
Black/Red (Hybrid) Oak	15	Log	16	
White Pine	24	Log/Pole	13	70
Red Maple	10	Pole/Sapling	5	
Balsam Fir	5	Pole/Sapling	5	
Bigtooth Aspen	10	Pole/Sapling	7	39
Jack Pine	1	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Sapling
Balsam Fir	Low	10 - 20 feet	Sapling
Witch Hazel	Low	Variable	Tall Shrub
Leatherleaf	Low	< 5 feet	Tall Shrub
Michigan Holly	Low	5 - 10 feet	Tall Shrub
Alder	Low	5 - 10 feet	Tall Shrub
Blueberry/Bilberry/Cranberry	Low	< 5 feet	Tall Shrub
Wintergreen	Low	< 5 feet	Tall Shrub

34 310 - Herbaceous Openland Nonstocked 2.7 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Scotch Pine	Low	10 - 20 feet	Sapling
Red Pine	Trace	>20 feet	Pole
Black/Red (Hybrid) Oak	High	< 5 feet	Seeding

35 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 6.5 51 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	15	Log/XLog	16	
White Pine	5	Log	16	
Red Pine	25	XLog/Log	18	
Bigtooth Aspen	35	Pole	7	51
Balsam Fir	10	Pole	7	
Red Maple	10	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Sapling
Balsam Fir	Low	Variable	Sapling
Red Maple	Medium	Variable	Sapling

36 310 - Herbaceous Openland Nonstocked 0.9 No

Sub-Canopy Species	Density	Avg. Height	Size
Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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37 6130 - Fir, Aspen, Maple Poletimber Well 21.4 52 81-110 N/A

Transitional stand from lowland to upland. Skid trails from the last entry are evident. Care should be taken when planning future harvests. Upland knoll in the south center.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	30	Pole/Sapling	5	52
Quaking Aspen	20	Pole	7	51
Bigtooth Aspen	5	Sapling	4	
Black Spruce	5	Pole	7	
Red Maple	25	Pole/Sapling	5	
Paper Birch	3	Pole	8	
White Pine	10	Log	16	
Hemlock	2	Log	13	

38 310 - Herbaceous Openland Nonstocked 1.3 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Low	< 5 feet	Sapling
Bigtooth Aspen	Low	< 5 feet	Sapling
Blackberry/Raspberry	Low	< 5 feet	Tall Shrub

39 4125 - Black, N. Pin Oak Sawtimber Medium 129.6 101 51-80 N/A

Species removals of aspen and red maple in the recent past. Most common advanced regen is made up of these species. Natural red pine grove in the west. Quality of the oak is mostly medium but may be a little better toward the north.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	2	Pole	6	
Red Pine	5	Log/Pole/XLog	12	
Bigtooth Aspen	5	Pole	7	
White Pine	10	Pole/Log	8	
Black/Red (Hybrid) Oak	68	Log/XLog	15	101
Red Oak	5	XLog	18	
Red Maple	5	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	Variable	Sapling
White Pine	Low	Variable	Sapling
Balsam Fir	Medium	Variable	Sapling
Red Pine	Low	>20 feet	Sapling
Red Maple	High	Variable	Sapling
Bigtooth Aspen	Medium	>20 feet	Sapling

40 4125 - Black, N. Pin Oak Sawtimber Medium 19.0 92 1-50 N/A

Species removal harvests in past. Stand basal area is variable across the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	27	Log/XLog	16	
Black/Red (Hybrid) Oak	60	Log	15	92
White Pine	3	Log/Pole	12	
Red Pine	10	Log/Pole	13	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Quaking Aspen	Low	>20 feet	Sapling
Bigtooth Aspen	Medium	>20 feet	Sapling
Witch Hazel	Medium	5 - 10 feet	Tall Shrub

41 310 - Herbaceous Openland Nonstocked 2.7 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Blackberry/Raspberry	Low	< 5 feet	Tall Shrub
Mixed Grasses	Low	Unspecified	Non-Wood
Sweet Fern	Medium	< 5 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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42 310 - Herbaceous Openland Nonstocked 3.8 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Sweet Fern	Medium	< 5 feet	Tall Shrub
Mixed Grasses	Medium	Unspecified	Non-Wood
Black/Red (Hybrid) Oak	Medium	< 5 feet	Seeding
Blackberry/Raspberry	Low	< 5 feet	Tall Shrub

43 310 - Herbaceous Openland Nonstocked 1.6 Unspecified Trees colonizing the opening but browsed down to 2'.

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Bigtooth Aspen	Low	< 5 feet	Sapling

44 4131 - Aspen, Oak Poletimber Well 32.5 49 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Sapling	5	
Bigtooth Aspen	50	Pole/Sapling	7	49
Scotch Pine	3	Log/Pole	11	64
White Pine	5	Log/Pole	10	
Red Pine	10	Log	11	60
Black/Red (Hybrid) Oak	22	Log/Pole	13	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	< 5 feet	Sapling
Witch Hazel	Low	Variable	Tall Shrub
White Pine	Low	10 - 20 feet	Sapling
Balsam Fir	Trace	< 5 feet	Seeding
Blueberry/Bilberry/Cranberry	High	< 5 feet	Tall Shrub
Black/Red (Hybrid) Oak	Low	< 5 feet	Seeding
Beech	Trace	< 5 feet	Seeding

Two ages of red pine, likely of natural origin. About 60 for small log and pole sized trees, about 120 for large log trees. Aspen heights and diameters decrease to the west significantly but the trees are the same age. Aspen ages support records showing TSI treatments in the area 1971-3.

45 4131 - Aspen, Oak Sapling Well 5.4 15 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	70	Sapling	2	15
Red Maple	10	Sapling	1	
Black/Red (Hybrid) Oak	20	Sapling	1	

Good amount of hybrid oak mixed in. Much of the red maple is browsed to 3 to 4 ft.

46 4136 - Aspen, Mixed Conifer Sapling Well 24.0 26 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Pole/Sapling	6	
Quaking Aspen	10	Sapling	3	
Bigtooth Aspen	50	Sapling/Pole	4	26
Black/Red (Hybrid) Oak	10	Log/XLog/Pole	13	89
Red Maple	10	Sapling	3	
White Pine	10	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Red Maple	High	10 - 20 feet	Sapling
Witch Hazel	Medium	5 - 10 feet	Tall Shrub

Just becoming a pole stand. Significant red maple understory.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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47	429 - Mixed Upland Conifers	Sawtimber Well	20.6	71	81-110	N/A	Some wet ground in the northeast including cedar and swamp conifer inclusions that would be too wet to harvest, perhaps up to 3 acres. Unable to find the monument in the northeast during inventory. It may be farther to the east based on other monuments in the area.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Balsam Fir		15	Pole/Sapling	5		White Pine		Low	< 5 feet	Sapling	
Red Pine		15	Log	16	75	Beech		Trace	< 5 feet	Seeding	
Red Maple		15	Pole/Log	8		Balsam Fir		Medium	Variable	Sapling	
Northern White Cedar		10	Pole/Log	8		Red Maple		High	Variable	Sapling	
Paper Birch		2	Pole/Log	8							
Bigtooth Aspen		3	Pole	7							
Quaking Aspen		5	Log/Pole	12							
Black/Red (Hybrid) Oak		5	Log	13	117						
White Pine		30	Log/Pole	11	71						

48	310 - Herbaceous Openland	Nonstocked	1.4		Immature	No	
Sub-Canopy Species		Density	Avg. Height	Size			
Blackberry/Raspberry		Medium	< 5 feet	Tall Shrub			
Bigtooth Aspen		Low	< 5 feet	Seeding			

49	4134 - Aspen, Spruce/Fir	Poletimber Well	5.8	53	81-110	N/A	A bowl shaped stand with seeps at cedar pockets which can exceed 200BA. Wetter to south.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		15	Pole/Sapling	5			
Balsam Fir		20	Sapling/Pole	4			
Northern White Cedar		10	Log/Pole	11			
White Spruce		5	Log	16			
White Pine		5	Pole	8			
Quaking Aspen		40	Pole/Sapling	6	53		
Paper Birch		5	Pole/Sapling	6			

50	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	6.3	100	51-80	N/A	Cut at the same time as stand 52 to the south (1999). Prescription must have left all oak and pine.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch		2	Pole	9		Red Maple		Medium	Variable	Sapling
Bigtooth Aspen		10	Sapling/Pole	3	24	Witch Hazel		Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak		50	Log/Pole	13	100					
Red Pine		25	Log	13						
Red Maple		10	Sapling/Pole	5						
White Pine		3	Pole	6						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments									
51	320 - Upland Shrub	Nonstocked	0.9		Immature	No	Brushing in with seedlings. Heavy browse keeping most of the seedlings below 3'. There is a considerable amount of oak, however.									
								Sub-Canopy Species	Density	Avg. Height	Size					
								Black/Red (Hybrid) Oak	Medium	< 5 feet	Seeding					
								Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub					
	Red Maple	Medium	< 5 feet	Seeding												
52	4134 - Aspen, Spruce/Fir	Sapling Well	22.2	25	Immature	N/A	Stand on a side slope transitioning to wetland. South margins are wet, with increasing red maple and cedar patches. In the northeast the stand is more like a lowland aspen stand and also probably too wet to harvest.									
								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
								Balsam Fir	20	Pole/Sapling	5		Red Maple	Medium	Variable	Sapling
								White Pine	1	Log	13		Balsam Fir	Medium	Variable	Sapling
								Northern White Cedar	5	Pole/Log	9		Black/Red (Hybrid) Oak	Low	>20 feet	Sapling
								Red Maple	10	Sapling/Pole	4					
								Paper Birch	8	Sapling/Pole	4					
								Quaking Aspen	15	Sapling	3					
								Willow spp.	2	Sapling	3					
								Bigtooth Aspen	31	Sapling	3	25				
								Balsam Poplar	2	Pole	8					
								Black/Red (Hybrid) Oak	5	Log	12					
								Red Pine	1	Log	14					
53	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	43.5	69	81-110	N/A	Mucky soil. Cedar patches often exceed 200BA.									
								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
								Paper Birch	5	Pole	7		Tag Alder	Medium	Variable	Tall Shrub
								Tamarack	3	Pole	7					
								Quaking Aspen	10	Pole/Log	8					
								White Spruce	2	Pole/Log	9					
								Balsam Fir	33	Pole/Sap/Log	6	69				
								Black Spruce	5	Pole/Log	8					
								Red Maple	20	Pole	7					
								American Elm	2	Sapling	2					
								White Pine	3	Log/XLog	14					
								Balsam Poplar	2	Pole	6					
								Northern White Cedar	15	Log/Pole	12	123				
								54	622 - Lowland Shrub	Nonstocked	3.4		Immature	No	Very wet. Standing water on the approach.	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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55 310 - Herbaceous Openland Nonstocked 3.4 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Blackberry/Raspberry	Low	< 5 feet	Tall Shrub
Mixed Sedges/Grasses	High	Unspecified	Non-Wood
Goldenrod spp.	Low	Unspecified	Non-Wood
Quaking Aspen	Low	< 5 feet	Sapling

56 4131 - Aspen, Oak Poletimber Well 21.6 49 111-140 N/A

Areas of denser hybrid oak show some suppressed aspen. Looks like a solid monument in the southeast (red topped wood post).

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	2	Pole	9	
Quaking Aspen	10	Pole	7	
Red Pine	3	Log/Pole	10	
Red Maple	10	Pole/Sapling	6	
Bigtooth Aspen	55	Pole	8	49
Black/Red (Hybrid) Oak	20	Log/Pole/XLog	14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Trace	>20 feet	Sapling
Witch Hazel	Medium	Variable	Tall Shrub
Red Maple	Medium	Variable	Sapling
Beech	Trace	10 - 20 feet	Sapling

57 4131 - Aspen, Oak Poletimber Well 70.5 49 81-110 N/A

Hybrid oak well represented in north, often as poles. BA and product size lower than desirable. A variable stand with dense oak pockets that have suppressed aspen. Witch hazel is very dense at the center. Prefer to hold a while.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Sapling	5	
Bigtooth Aspen	50	Pole/Sap/Log	7	49
Black/Red (Hybrid) Oak	20	Log/XLog/Pole	14	
Red Pine	5	Log/Pole	13	
White Pine	5	Log/Pole	10	
Quaking Aspen	10	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	High	Variable	Tall Shrub
Red Maple	Low	< 5 feet	Sapling
White Pine	Trace	>20 feet	Sapling
Balsam Fir	Low	>20 feet	Sapling

58 4131 - Aspen, Oak Sapling Well 80.5 3 Immature N/A

The stand is regenerating well. There is a surprising amount of free to grow oak in northwest. Stand margins see the most browse and least stocking. A bit patchy. Some areas seem almost solid red maple but overall aspen dominates. Maple and aspen about even on north transect.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	1	Sapling	1	
Black/Red (Hybrid) Oak	20	Sapling	1	
Red Maple	25	Sapling	1	
Quaking Aspen	10	Sapling	1	
Bigtooth Aspen	44	Sapling	1	3

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Low	< 5 feet	Tall Shrub
Hazelnut (Beaked)	Trace	< 5 feet	Tall Shrub
Blackberry/Raspberry	Low	< 5 feet	Tall Shrub

59 4130 - Aspen Sapling Well 40.9 3 Immature N/A

Clearcut completed 11/02/2020 3 Fast 5 Me Aspen

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Sapling	1	
Bigtooth Aspen	55	Sapling	1	3
Red Maple	25	Sapling	1	
Black/Red (Hybrid) Oak	10	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Low	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
61	6124 - Lowland Spruce-Fir	Sapling Well	5.5	54	1-50	N/A	Some areas of blowdown. Scattered ridges where white pine are growing. Despite a harvest record in the last 50 years, this stand seems currently too wet to harvest. The stand contains an old tote road or rail grade.																																																												
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63	4125 - Black, N. Pin Oak	Sawtimber Well	13.1	94	111-140	N/A	Steep slopes to the east ends in swamp with no turn around space. Red Maple seedlings browsed below 3'. Red maple poles about 48 years old. The canopy of this stand is denser than that to north but generally lacks as many poles or saplings. Slopes hold more white pine understory.																																																												
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65	6120 - Lowland Cedar	Sawtimber Well	13.0	105	201+	N/A																																																													
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66	310 - Herbaceous Openland	Nonstocked	0.6	0		No	Missed noting species in this opening. As it was, the entire opening was snow covered at the time of survey.																																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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67	4131 - Aspen, Oak	Poletimber Well	9.1	44	111-140	N/A	New stand. The upland expression of stand 37 to the west. Origin was the same harvest in 1980. Skid trails from last entry evident. Care should be taken when planning harvest in the future.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	7	Pole	6	51	Balsam Fir	Medium	Variable	Sapling
Balsam Fir	5	Pole	7	52	White Pine	Low	Variable	Sapling
Bigtooth Aspen	33	Pole	8	44	Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple	15	Pole/Sapling	5					
Red Oak	13	XLog	18					
Red Pine	2	XLog	21					
White Pine	10	Pole/Log	8					
Black/Red (Hybrid) Oak	15	XLog/Log	19					

68	6112 - Lowland Aspen	Sawtimber Well	5.7	75	51-80	N/A	Broadleaf swamp swale. Too wet.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	1	Pole/Log	8		Black Ash	Low	< 5 feet	Sapling
Red Maple	30	Log/Pole	12		Tag Alder	High	5 - 10 feet	Tall Shrub
White Pine	1	Log/XLog	14					
Paper Birch	1	Pole	6					
Quaking Aspen	42	Log	13	75				
Northern White Cedar	10	Log/Pole	10	122				
Balsam Fir	15	Pole/Sap/Log	6					

69	429 - Mixed Upland Conifers	Poletimber Well	7.5	120	111-140	N/A	This is a slight rise in swamp bearing upland species. The canopy is broken with a dense fir sapling understory. Some areas are too wet to harvest. A small stand with poor access.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole/Log	8		Balsam Fir	Full	Variable	Sapling
White Pine	25	Log/XLog/Pole	14	120	Black Spruce	Low	Variable	Sapling
Red Pine	17	Log/Pole	13		White Pine	Low	Variable	Sapling
Northern White Cedar	10	Log/Pole	10		Blueberry/Bilberry/Cranberry	Low	< 5 feet	Tall Shrub
Black Spruce	5	Pole	8		Huckleberry	Low	< 5 feet	Tall Shrub
Black/Red (Hybrid) Oak	8	Log/XLog	16					
Red Maple	20	Pole/Log	9					
Balsam Fir	10	Pole	7					

70	42290 - Natural Mixed Pine	Sawtimber Well	3.5	63	81-110	N/A	100. 120. 70. off site sm. bta 26. 50yo total. 120. 60. wp 53d. v mixed stand. two ages of Aspen. 26 and 50. most pine roughly 53yo d. although 120 yo trees are relatively common. this is the result of multiple entries prob with similar species removal specs. they just left prenerch alone
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Sapling/Pole	4		Red Maple	Low	< 5 feet	Sapling
White Pine	30	Log/Pole	11	63	Balsam Fir	Medium	Variable	Sapling
Red Pine	45	Log	14	63				
Balsam Fir	4	Pole/Sapling	7					
Black/Red (Hybrid) Oak	6	XLog	21					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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72 6229 - Mixed lowland shrub Nonstocked 2.3 Immature No Wet. Growing in.

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Meadowsweet	Low	< 5 feet	Tall Shrub
Alder	High	5 - 10 feet	Tall Shrub
Mixed Sedges/Grasses	Medium	Unspecified	Non-Wood
White Pine	Trace	>20 feet	Sapling
Balsam Poplar	Low	< 5 feet	Sapling
Tamarack	Low	Variable	Sapling
Black Spruce	Low	< 5 feet	Sapling

73 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 5.1 130 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	44	Pole/Log	8	130
Balsam Fir	25	Pole/Sap/Log	6	
Quaking Aspen	1	Log	10	
Paper Birch	5	Pole	6	
Red Maple	15	Pole/Log	7	
White Pine	5	Log/XLog	14	
Black Spruce	5	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Full	Variable	Tall Shrub

75 310 - Herbaceous Openland Nonstocked 0.6 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	Low	< 5 feet	Seeding
Red Maple	Trace	< 5 feet	Seeding
Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub
Black/Red (Hybrid) Oak	Trace	< 5 feet	Seeding

76 6130 - Fir, Aspen, Maple Sawtimber Well 10.3 75 141-170 N/A Slightly higher than surrounding stands, rising in landscape prominence to the north. Still it's too wet and mucky.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	1	Pole	7	
Paper Birch	1	Pole	6	
Quaking Aspen	53	Log	12	75
Northern White Cedar	12	Pole/Log	9	117
White Pine	1	Log/XLog	14	
Red Pine	2	Log	15	
Balsam Fir	30	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Trace	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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77	42340 - Upland Spruce/Fir	Poletimber Well	3.1	43	141-170	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Log/XLog	16	
Quaking Aspen	20	Log	10	
Red Maple	10	Log/Pole	12	
Paper Birch	5	Pole/Log	9	
Balsam Fir	50	Pole	7	43
White Spruce	10	Log	11	

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Medium	5 - 10 feet	Tall Shrub

78	4130 - Aspen	Poletimber Well	12.5	34	51-80	N/A	Currently just transitioning from a sapling stand to a pole stand. Stand was probably a result of cleaning up uncut timber along old fence trespasses. The southern boundary of the stand is roughly the old fence line. Heavy browse to red maple.
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Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	2	XLog	18	
Red Maple	10	Sapling/Pole	4	
Bigtooth Aspen	74	Pole/Sapling	5	34
White Pine	10	Log/Pole	13	
Red Pine	2	Pole	6	
Black/Red (Hybrid) Oak	2	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Red Maple	High	< 5 feet	Seeding
White Pine	Low	Variable	Sapling
Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	Low	< 5 feet	Seeding

79	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	3.1	101	111-140	N/A	An upland knoll cut off by swamp.
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Canopy Species	% Cover	Size Class	DBH	Age
White Oak	3	Log	14	
Jack Pine	2	Log	13	79
Balsam Fir	5	Pole/Sapling	6	
Black Spruce	5	Pole	7	
Black/Red (Hybrid) Oak	43	Log/Pole	13	101
Red Maple	15	Pole/Sapling	6	
Paper Birch	2	Pole	8	
White Pine	15	Log/Pole/XLog	13	
Red Pine	10	Log/XLog/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Huckleberry	Medium	< 5 feet	Tall Shrub
Wintergreen	High	< 5 feet	Tall Shrub
Black Spruce	Low	Variable	Sapling
White Pine	Medium	Variable	Sapling
Red Maple	Low	>20 feet	Sapling
Balsam Fir	Medium	Variable	Sapling

81	6121 - Tamarack	Sapling Medium	8.5	110	1-50	N/A	Nonproductive and too wet.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	15	Sapling/Pole	3	
Northern White Cedar	20	Pole/Sapling	6	
Tamarack	60	Sapling/Pole	4	110
White Pine	5	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Sedges/Grasses	Low	Unspecified	Non-Wood
Leatherleaf	High	< 5 feet	Tall Shrub
Sphagnum Moss	High	Unspecified	Non-Wood
Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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83	6233 - Wet Meadow	Nonstocked	6.9		Immature	No	The crossing is a crushed limestone ford 8" deep at time of survey.				
								Sub-Canopy Species	Density	Avg. Height	Size
								Sedges	High	Unspecified	Non-Wood
								Red Maple	Trace	5 - 10 feet	Sapling
								Northern White Cedar	Trace	5 - 10 feet	Sapling
								Meadowsweet	Medium	< 5 feet	Tall Shrub
								Red Osier Dogwood	Low	< 5 feet	Tall Shrub
White Pine	Trace	10 - 20 feet	Sapling								

84	6224 - Treed Bog	Nonstocked	7.7			No	Lower and wetter than stand 1 to the south. Sapling size trees (likely stunted) across most of the stand.				
								Sub-Canopy Species	Density	Avg. Height	Size
								Northern White Cedar	Medium	< 5 feet	Sapling
								Cattail spp.	Low	Unspecified	Non-Wood
Tamarack	Low	5 - 10 feet	Sapling								

85	42290 - Natural Mixed Pine	Sawtimber Well	10.0	66	81-110	N/A	This stand has high visibility from CR 634. Slopes tend to be steep, often terminating in swamps with no room for machinery to turn around. The northern node looks uncut compared to other portions of the stand as it contains log and pole sized red maple and generally larger diameters over all.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Pine	52	Log/Pole	12	66
								Red Pine	10	Log/Pole	11	
								Balsam Fir	2	Pole	6	
								Black/Red (Hybrid) Oak	12	XLog	20	104
								Black Spruce	5	Pole	6	
								Northern White Cedar	5	Pole	8	
								Quaking Aspen	1	Pole	6	
								Paper Birch	2	Log	13	
								Red Maple	10	Pole/Sapling	6	26
								White Oak	1	Log	14	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Huckleberry	Low	< 5 feet	Tall Shrub	
								Blueberry/Bilberry/Cranberry	Medium	< 5 feet	Tall Shrub	
Wintergreen	High	< 5 feet	Tall Shrub									
Sweet Fern	Low	< 5 feet	Tall Shrub									
Red Maple	Low	Variable	Sapling									
White Pine	Low	10 - 20 feet	Sapling									
Balsam Fir	Low	Variable	Sapling									
Red Pine	Trace	10 - 20 feet	Sapling									

86	429 - Mixed Upland Conifers	Sawtimber Well	15.7	63	111-140	N/A	Leather leaf on some north facing slopes. Jack pine is a former stand component.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Balsam Fir	5	Pole	7	
								Black/Red (Hybrid) Oak	8	XLog	18	
								Paper Birch	2	Pole	8	
								Quaking Aspen	5	Pole/Sapling	6	
								White Pine	35	Log/Pole/XLog	15	63
								Bigtooth Aspen	15	Pole/Sapling	6	51
								Red Maple	10	Pole/Log	8	53
								Red Pine	20	Log/Pole/XLog	14	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Red Maple	Medium	Variable	Sapling	
Leatherleaf	Low	< 5 feet	Tall Shrub									
White Pine	Low	Variable	Sapling									
Balsam Fir	Low	Variable	Sapling									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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87 6129 - Mixed Coniferous Lowland Forest Poletimber Well 3.0 104 171-200 N/A Spruce and tamarack dominate in the south third while the north two thirds are solidly cedar.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	10	Pole/Log	8		Balsam Fir	Medium	Variable	Sapling
Black Spruce	20	Pole	8	110	Blueberry/Bilberry/Cranberry	Medium	< 5 feet	Tall Shrub
White Pine	20	Log	16		Leatherleaf	Medium	< 5 feet	Tall Shrub
Northern White Cedar	41	Pole	7	104	Sphagnum Moss	High	Unspecified	Non-Wood
Balsam Fir	5	Pole	7		Red Maple	Low	< 5 feet	Sapling
Quaking Aspen	2	Pole/Log	9					
Red Pine	2	Log	15					

89 623 - Emergent Wetland Nonstocked 8.4 No Ocqueoc River

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Sedges/Grasses	Full	5 - 10 feet	Non-Wood
Cattail spp.	Low	Unspecified	Non-Wood
Leatherleaf	High	< 5 feet	Tall Shrub
Tamarack	Medium	Variable	Sapling
Red Osier Dogwood	Low	< 5 feet	Tall Shrub
Phragmites (exotic)	Low	Unspecified	Non-Wood
Alder	Low	5 - 10 feet	Tall Shrub

91 429 - Mixed Upland Conifers Poletimber Well 1.3 80 N/A This appears to be an isolated, small upland knoll or ridge surrounded by non-productive, extremely wet cedar. Species composition would probably include balsam fir, similar to stand 92 just south of CR 634, black spruce on the stand margins, cedar mixing in, isolated white pine, and big decadent aspen (based on imagery).

92 42330 - Upland Fir Poletimber Well 2.8 30 51-80 N/A Beavers removed most aspen, basically leaving only conifer.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	1	Pole	8		Alder	Low	5 - 10 feet	Tall Shrub
Balsam Fir	70	Pole/Sapling	6	30	Blueberry/Bilberry/Cranberry	Medium	< 5 feet	Tall Shrub
Black Spruce	10	Pole/Log	8					
Red Maple	1	Pole	6					
Tamarack	5	Sapling/Pole	4					
White Pine	2	Pole	7					
Northern White Cedar	5	Pole/Log	8	100				
Paper Birch	3	Pole	6					
Balsam Poplar	3	Pole/Sapling	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
94	310 - Herbaceous Openland	Nonstocked	2.5	0	Unspecified	No	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	< 5 feet	Seeding
White Pine	Trace	>20 feet	Sapling
Black/Red (Hybrid) Oak	Low	< 5 feet	Seeding
Bigtooth Aspen	Low	>20 feet	Pole
Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
Mixed Grasses	High	Unspecified	Non-Wood
Black Cherry	Trace	>20 feet	Sapling