



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41093

Entry Year 2026

Acreage: 1,914

County Delta

Management Area: Escanaba Lake and Till Plain

Stand Examiner: Steve Touvila

Legal Description:

T40N, 18W, Sections 33-36

Identified Planning Goals:

This compartment is part of the Escanaba Lake and Till Plain management area. The main objectives for this compartment are timber management, wildlife habitat, protection of unique areas, species of special concern, and opportunities for forest recreation.

Soil and topography:

The topography in this compartment is mostly flat but there are some nice ridges with decent elevation. The soil types are Croswell sands on the uplands and Tawas on the lowlands. Tawas soils are poorly drained organic soils while the Croswell sands are well drained.

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

Ownership within the compartments boundary is mainly all State owned with only a small amount of fragmentation on the west.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

None known.

Watershed and Fisheries Considerations:

This compartment contains Valentine Creek which serves as a tributary to Big Bay de Noc in Northern Green Bay. Valentine Creek is a non-designated stream less than 50-ft wide with a predicted mean July water temperature of 61.6 °F (cold stream). A 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended for Valentine Creek to protect riparian areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Wildlife featured species: Woodcock, ruffed grouse, deer and turkey.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for occurrences of commercial deposits of metallic or critical minerals in this area. Active sand & gravel operations exist one mile south, and there is some potential for sand & gravel on upland areas within the compartment. There is also potential for high-purity dolomite in the area in areas where bedrock is at or near the surface (i.e., where glacial drift is thin or absent). However, potential for development of bedrock dolostone within the compartment appears low. No current leasing activity exists in the area involving State-owned mineral rights.

Vehicle Access:

Access to the compartment is relatively good, there are numerous two-tracks within the compartment and M-183 runs along the west edge. However, there are still some areas where access is difficult due to private land gates.

Survey Needs:

None needed.

Recreational Facilities and Opportunities:

Two track roads provide access for hunting opportunities.

Fire Protection:

Two tracks provide access to various portions of the compartment. The uplands and lowlands are intermixed which can lead to difficult access for some portions of the compartment.

Additional Compartment Information:

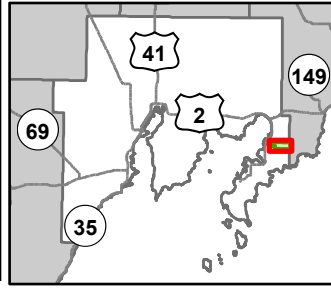
The following reports from the Inventory are attached:

- 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



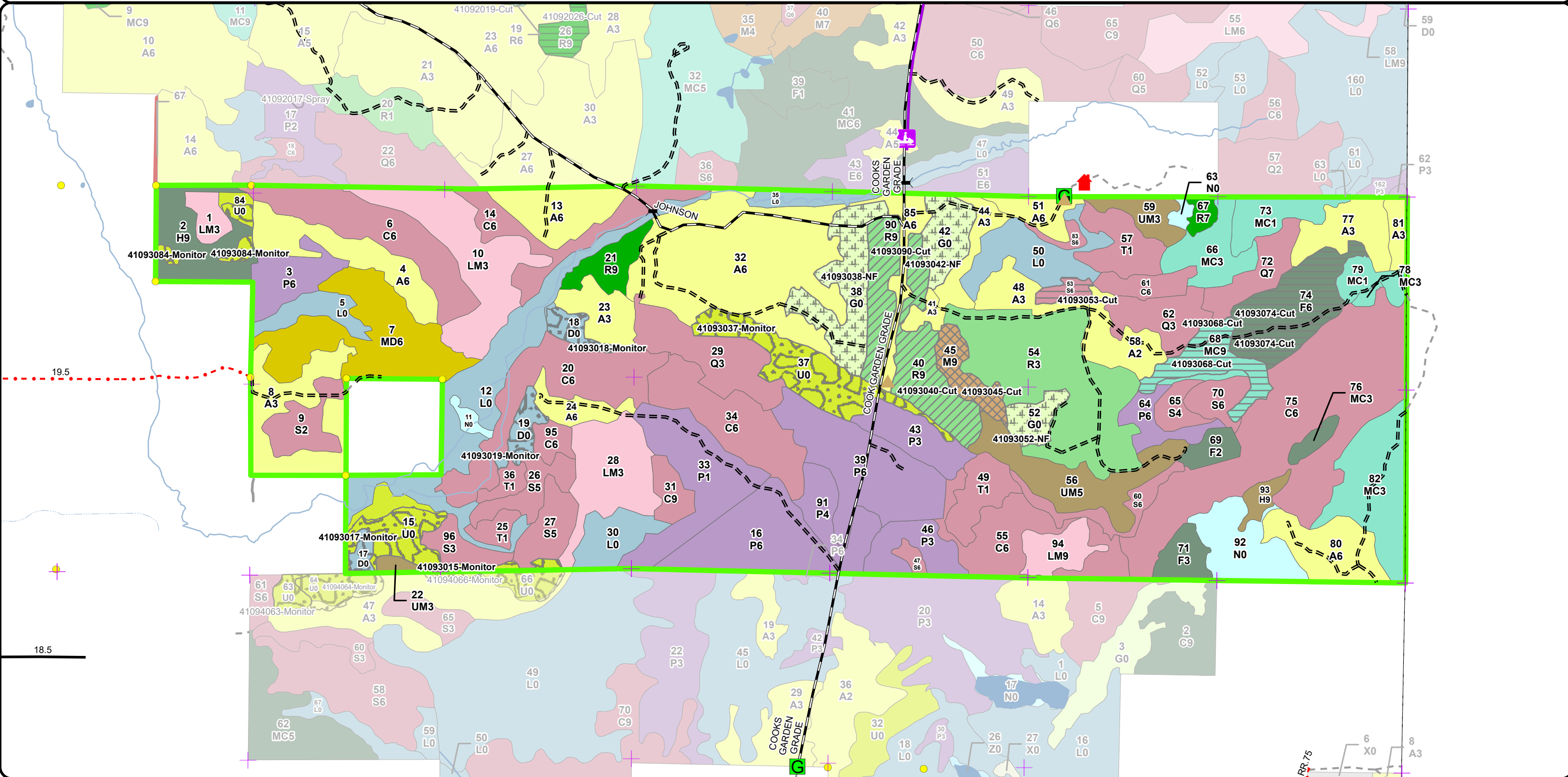
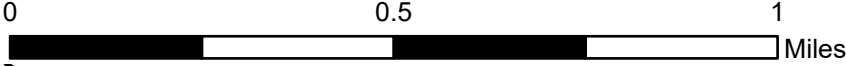
Compartment: 41093
 T40N, R18W, Sec. 33-36
 County: Delta
 Unit: Shingleton
 Mgmt Area: Escanaba Lake and Till Plain
 YOE: 2026
 Acres: 1913.9 GIS Calculated
 Examiner: Steve Touvila
 Map Revised: 08/05/2024
 Map Phase: Web Post

- Cabin
- Berms
- Gate
- Bridges
- Survey Grade Corners
- Remonumented Section Corners
- Snowmobile Trails
- Designated Snowmobile Trails

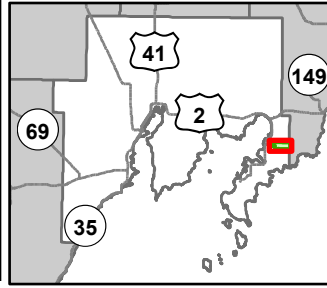
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond

- Perennial River
- Swamp
- Lakes and Rivers
- Compartment Boundary
- Other Treatment - See Comments
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey

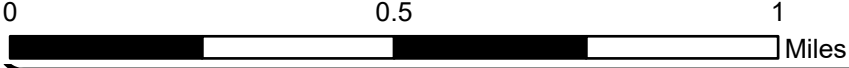
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland



Stand Boundary Map



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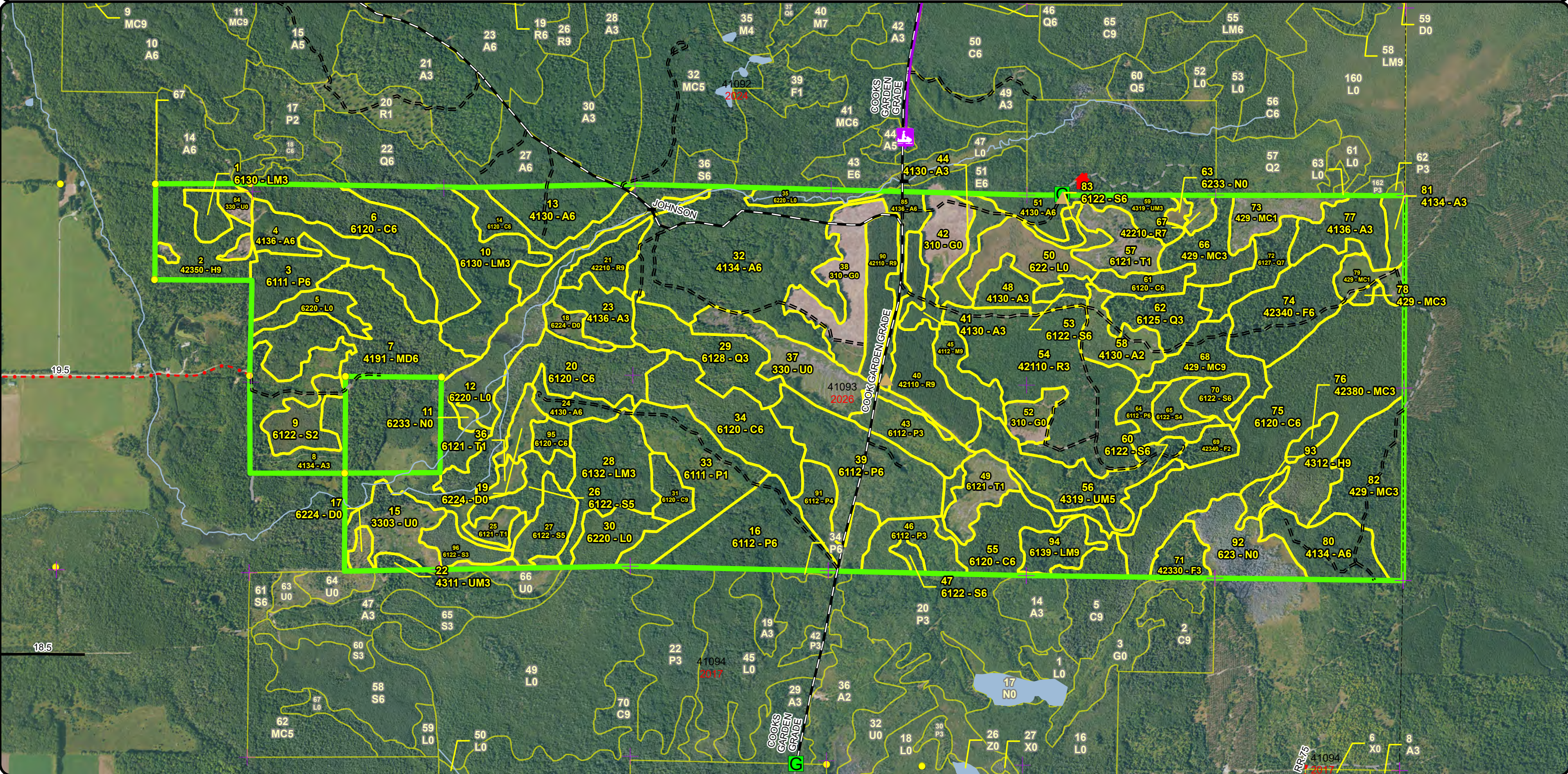


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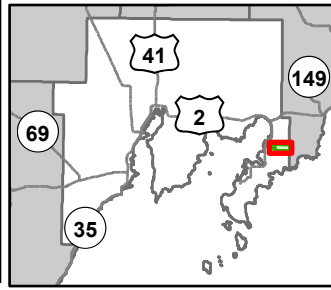
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Special Conservation Areas & Site Conditions Map

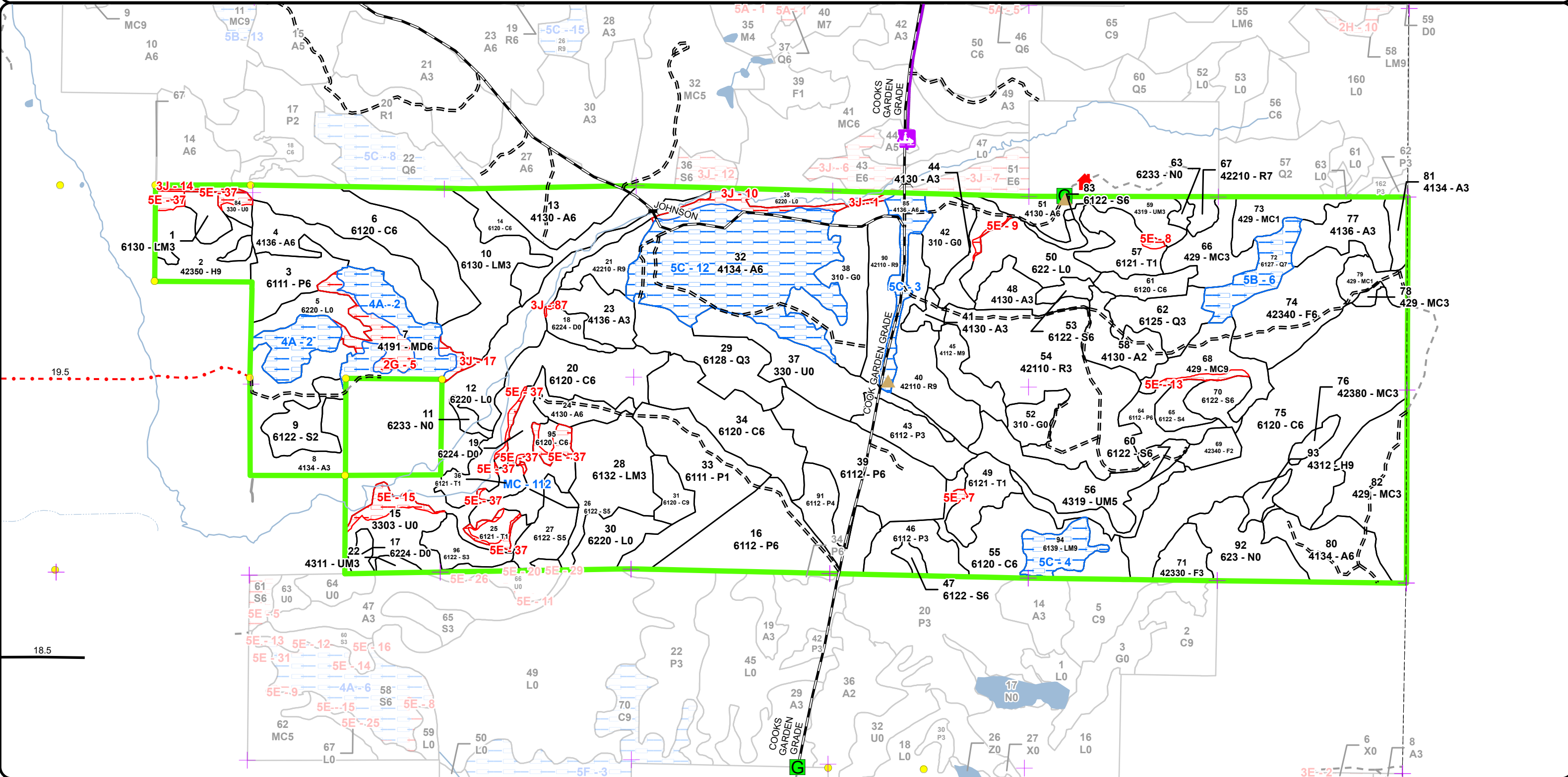
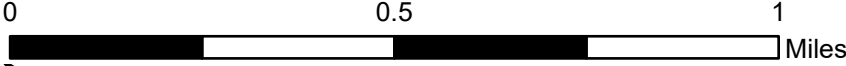


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 4A: No Markets Available for these Forest Products
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries



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	34	50	20	113	0	113	0	0	0	0	0	0	0	0	0	0	0	330
Cedar	0	0	0	0	0	0	0	0	0	34	73	102	119	0	0	0	0	0	328
Hemlock	0	0	0	0	0	0	0	0	0	0	0	27	0	0	5	0	0	0	32
Herbaceous Openland	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
Low-Density Trees	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65
Lowland Aspen/Balsam Poplar	0	0	76	0	140	0	0	0	0	0	0	0	0	0	0	0	0	0	216
Lowland Conifers	0	0	30	18	0	0	0	0	0	16	0	0	0	0	0	0	0	0	64
Lowland Mixed Forest	0	0	0	82	7	0	0	0	0	13	0	0	0	0	0	0	0	0	102
Lowland Shrub	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116
Lowland Spruce/Fir	0	0	0	0	0	0	52	9	25	3	0	0	0	0	0	0	0	0	89
Marsh	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0	0	0	55
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	12
Red Pine	0	0	80	0	0	0	49	0	0	16	0	0	0	0	0	0	0	0	145
Tamarack	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Treed Bog	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Upland Conifers	0	25	0	20	39	4	0	0	22	0	0	0	0	0	0	0	0	0	110
Upland Mixed Forest	0	0	11	3	0	34	0	0	0	0	0	0	0	0	0	0	0	0	48
Upland Spruce/Fir	0	0	7	10	0	0	36	0	0	0	0	0	0	0	0	0	0	0	53
Total	285	102	254	153	299	38	250	9	47	137	86	129	119	0	5	0	0	0	1912



Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 93

Total Compartment Acres: 1,914

Commercial Harvest - 120
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Lowland Spruce/Fir	4	0	0	0	0	0	0	0	0	4
Northern Hardwood	0	13	0	0	0	0	0	0	0	13
Red Pine	0	0	0	0	0	49	0	0	0	49
Upland Conifers	19	0	0	0	0	0	0	0	0	19
Upland Spruce/Fir	36	0	0	0	0	0	0	0	0	36
Total	59	13	0	0	0	49	0	0	0	121

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	121	0	0	0	0	0	75	0	56	251
Next Step	0	0	0	0	0	0	72	0	0	72
Total	121	0	0	0	0	0	147	0	56	323



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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:

15	41093015-Monitor	20.1	3303 - Mixed Low Density Trees	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Intermediate)	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> natural regeneration monitor</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any species growing on site</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> 10/1 /2033</p>											

17	41093017-Monitor	3.6	6224 - Treed Bog	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Intermediate)	6122 - Black Spruce	Two-Aged	No
<p><u>Prescription</u> natural regeneration monitor</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any species on site</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> 10/1 /2033</p>											

18	41093018-Monitor	6.1	6224 - Treed Bog	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> natural regeneration monitor</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any species on site</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> 10/1 /2033</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 41093019-Monitor	7.3	6224 - Treed Bog	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Intermediate)	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> natural regeneration monitor <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> any species growing on site <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Proposed Start Date: 10/1 /2033</p>										
37 41093037-Monitor	32.7	330 - Low-Density Trees	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Natural regeneration monitor. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> any species growing on site <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Proposed Start Date: 10/1 /2033</p>										
38 41093038-NF	30.9	310 - Herbaceous Openland	Nonstocked	0	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription</u> Various wildlife treatments to maintain open land and possible various wildlife vegetation plantings and preparations. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> grass and various wildlife objectives <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Proposed Start Date: 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
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40	41093040-Cut	30.0	42110 - Planted Red Pine	Sawtimber Well	56	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand to a target BA of 120.
Specs: No skidding or operating in adjacent stand 52.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

42	41093042-NF	15.5	310 - Herbaceous Openland	Nonstocked	0	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription Various wildlife treatments to maintain open land and possible various wildlife vegetation plantings and preparations.
Specs:

Next Step
Treatments:

Acceptable Various wildlife objectives.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

45	41093045-Cut	12.5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	90	111-140	Harvest	Group Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Gap treatment following the new policy. Thin to 80 BA in between the gaps. Prioritize marking the beech while leaving a few beech.
Specs: No skidding or operating in adjacent stand 52.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable any species on site
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
52	41093052-NF	9.1	310 - Herbaceous Openland	Nonstocked	0	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription</u> Various wildlife treatments to maintain open land and possible various wildlife vegetation plantings and preparations.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Various wildlife objectives.</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> 10/1 /2025</p>											
53	41093053-Cut	4.3	6122 - Black Spruce	Poletimber Well	78	111-140	Harvest	Clearcut	6122 - Black Spruce	Uneven-Aged	No
<p><u>Prescription</u> Clearcut without retention due to small size. Leave white and red pine for potential seed source. Ground is good enough that this could be cut during the summer. Don't cut oak, hemlock, or cedar if found.</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> any species currently on site</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> 10/1 /2025</p>											
68	41093068-Cut	19.3	429 - Mixed Upland Conifers	Sawtimber Well	75	81-110	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention per guidelines. Leave up to 10 BA white pine for seed source. Don't cut cedar, hemlock, and oak. Clearcut with retention per guidelines. Leave a few paper birch as retention and try to incorporate them into the retention patch(s).</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> any species currently on site</p> <p><u>Regen:</u></p> <p><u>Other</u> Long term retention is mapped but could be changed as needed during prep work; this area contains a high concentration of cedar.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
74	41093074-Cut	35.8	42340 - Upland Spruce/Fir	Poletimber Well	52	51-80	Harvest	Clearcut with Retention	42330 - Upland Fir	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention per guidelines. Don't cut white pine, cedar, hemlock, and oak. Leave a few paper birch as retention and try to incorporate them into the retention patch(s).</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> any species growing on site</p> <p><u>Regen:</u></p> <p><u>Other</u> A possible long term retention area could be north of the road near the center of the stand in an area that is more naturally open with less trees growing in it.</p> <p><u>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
84 41093084-Monitor	5.5	330 - Low-Density Trees	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> natural regeneration monitoring</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> any species on site</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> 10/1 /2033</p>										
90 41093090-Cut	18.6	42110 - Planted Red Pine	Sawtimber Well	56	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin stand to a target BA of 120.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></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> 10/1 /2025</p>										

Total Treatment 251.3
Acres Proposed:



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions							
		With Condition	Not Available		4A	5B	5C	MC	2G	3J	5E	
330	216	105	9	Aspen			105				8	1
328	323	0	5	Cedar								5
32	27	0	5	Hemlock							2	2
56	56	0	0	Herbaceous Openland							0	
65	58	0	7	Low-Density Trees								7
216	216	0	0	Lowland Aspen/Balsam Poplar								
65	49	16	0	Lowland Conifers		16						
102	89	13	0	Lowland Mixed Forest			13					
116	116	0	0	Lowland Shrub							0	0
90	90	0	0	Lowland Spruce/Fir								0
31	31	0	0	Marsh								
55	0	41	14	Mixed Upland Deciduous	41					12	2	
13	13	0	0	Northern Hardwood								
145	145	0	0	Red Pine								
43	39	0	4	Tamarack				0				4
18	17	0	0	Treed Bog							0	0
110	108	0	2	Upland Conifers								2
48	48	0	0	Upland Mixed Forest								
54	54	0	0	Upland Spruce/Fir								
1,914	1,692	175	47	Total Forested Acres	41	16	118	0	12	13	22	
	88%	9%	2%	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	3J: Water quality / BMPs (stream, river, or lake)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Stream buffer and long-term retention for proposed stand treatment.							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Steve Touvila : Examiner

Compartment: 93
Year of Entry: 2026



2	Available	4A: No Markets Available for these Forest Products	41	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5B: Maintain for regeneration purposes	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention from Garden Royale t-sale, closure in 2020.							



8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention from Garden Royale sale, closed in 2022.							
9	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention from Garden Royale sale, closed 2022.							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Stream buffer and long-term retention for proposed stand treatment.							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	92	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention for proposed treatment.							
14	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Valentine Creek tributary with soft soils and sloping bank.							
15	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention from recent treatment.							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Steve Touvila : Examiner

Compartment: 93
Year of Entry: 2026



17	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	5E: Long-Term Retention	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
87	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
112	Available	Minor Change in Acreage	0				
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
----------	--------------	-------------	----------------	-------

Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
1	6130 - Fir, Aspen, Maple	Sapling Well	7.0	36	1-50	N/A																																																		
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2	42350 - Upland Hemlock	Sawtimber Well	26.6	105	141-170	N/A																																																		
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3	6111 - Lowland Balsam Poplar	Poletimber Well	18.1	35	51-80	N/A																																																		
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4	4136 - Aspen, Mixed Conifer	Poletimber Well	28.6	35	1-50	N/A																																																		
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5	6220 - Alder/willow	Nonstocked	11.4		Unspecified	No																																																		
6	6120 - Lowland Cedar	Poletimber Well	40.9	109	141-170	N/A	Mature balsam fir has died off.																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
7	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	54.9	80	81-110	N/A																																																						
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8	4134 - Aspen, Spruce/Fir	Sapling Well	33.1	16	Immature	N/A																																																						
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9	6122 - Black Spruce	Sapling Medium	14.9	50	1-50	N/A	Stand swapped from non-forested to forested last entry.																																																					
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10	6130 - Fir, Aspen, Maple	Sapling Well	47.1	25	1-50	N/A	Residual red pine was left due to the amount of aspen within the compartment.																																																					
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11	6233 - Wet Meadow	Nonstocked	2.9		Unspecified	No																																																						
12	6220 - Alder/willow	Nonstocked	56.3		Unspecified	No																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
13	4130 - Aspen	Poletimber Well	23.8	35	1-50	N/A	Doing well and closer to 50 BA at this time.																																					
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14	6120 - Lowland Cedar	Poletimber Well	26.1	92	111-140	N/A	The largest cedar is near the stream.																																					
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16	6112 - Lowland Aspen	Poletimber Well	41.2	35	81-110	N/A	Cut as part of C.G. Grade sale. Stand was split north of the road into two additional stands due to much lower stand density in areas. The rate of growth is exceptional in this site.																																					
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17	6224 - Treed Bog	Nonstocked	3.6	0	Unspecified	6129 - Mixed Coniferous Lowland Forest	Stand was cut in 2019 as part of Spruce-Topia 41-040-17. It looks like this stand will regenerate but needs more time.																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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19	6224 - Treed Bog	Nonstocked	7.5	0	Unspecified	6128 - Lowland Coniferous, Mixed Deciduous	Harvested with Quantum of Blue Line sale in winter 2022 41-022-16. Initial regeneration is looking good but has just started so need more time to check growth.
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Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	< 5 feet	Sapling
Paper Birch	Low	< 5 feet	Seeding
Quaking Aspen	Low	< 5 feet	Sapling
Red Maple	Medium	< 5 feet	Seeding
Black Spruce	Low	< 5 feet	Seeding
Tamarack	Medium	< 5 feet	Sapling

20	6120 - Lowland Cedar	Poletimber Well	46.7	101	141-170	N/A	West end has had some water damage. There's an area of paper birch in the east side of the stand but the cedar is still dense here at 120-140 BA.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Log/Pole	14	
Balsam Fir	5	Pole	8	
Paper Birch	20	Log/Pole	10	
Northern White Cedar	70	Pole	9	101

Sub-Canopy Species	Density	Avg. Height	Size
Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	Medium	5 - 10 feet	Sapling

21	42210 - Natural Red Pine	Sawtimber Well	12.1	83	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	1	Log	14	
Quaking Aspen	1	Log	10	
Balsam Fir	1	Pole	6	
Red Pine	96	Log/Pole	12	83
Red Maple	1	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	Sapling
Bigtooth Aspen	High	>20 feet	Sapling
Red Maple	Low	>20 feet	Sapling

22	4311 - Pine, Aspen Mix	Sapling Well	2.7	25	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	30	Sapling	3	
White Pine	20	XLog/Log	20	
Bigtooth Aspen	50	Sapling	3	25

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling

23	4136 - Aspen, Mixed Conifer	Sapling Well	15.2	35	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	5	Log/Pole/XLog	17	
Balsam Fir	15	Sapling	4	
Bigtooth Aspen	80	Sapling/Pole	4	35

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
24	4130 - Aspen	Poletimber Well	10.0	35	1-50	N/A																																				
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28	6132 - Mixed Lowland Forest with Cedar	Sapling Well	34.6	25	1-50	N/A																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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29 6128 - Lowland Coniferous, Mixed Deciduous Sapling Well 30.2 17 Unspecified N/A Stand was cut with Cooks Grade Mix sale. Residuals were 30 sq.ft. cedar, and 5 sq. ft. hemlock.

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	15	Pole	6	
Black Spruce	10	Sapling	1	
White Pine	10	Sapling	2	
Hemlock	5	Pole/Log	9	
Red Maple	35	Sapling	1	17
Balsam Fir	25	Sapling	2	

30 6220 - Alder/willow Nonstocked 15.5 Unspecified No

31 6120 - Lowland Cedar Sawtimber Well 8.5 100 141-170 N/A A lot of recent blowdowns on the northern edges of the stand. 4-5 stick cedar in this stand, dense and tall.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Log	14		Balsam Fir	Trace	< 5 feet	Sapling
Northern White Cedar	75	Log/Pole	11	100				
Black Spruce	10	Pole/Log	9					
Balsam Poplar	10	Pole	9					

32 4134 - Aspen, Spruce/Fir Poletimber Well 99.2 52 51-80 N/A The site is poor quality in the center 1/3 of the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Log/XLog/Pole	14		White Pine	Trace	5 - 10 feet	Sapling
Jack Pine	2	Pole	8		Balsam Fir	Medium	Variable	Sapling
Red Pine	1	Log/Pole	14					
Red Oak	1	Pole/Sapling	7					
Northern White Cedar	1	Log	12					
Balsam Fir	20	Pole/Sapling	6					
Paper Birch	1	Pole	6					
Quaking Aspen	72	Pole	8	52				

33 6111 - Lowland Balsam Poplar Sapling Poor 41.4 13 Immature N/A Stand was cut with Cooks Grade Mix Sale.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Poplar	50	Sapling	2	13
Balsam Fir	20	Sapling	2	
Bigtooth Aspen	30	Sapling	2	

34 6120 - Lowland Cedar Poletimber Well 37.3 98 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole	9		Northern White Cedar	Medium	10 - 20 feet	Sapling
Northern White Cedar	80	Pole	9	98	Black Spruce	Medium	< 5 feet	Sapling
Balsam Fir	10	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
35	6220 - Alder/willow	Nonstocked	8.0		Unspecified	No	Stand swapped from forested to non-forested last entry.																																				
36	6121 - Tamarack	Sapling Poor	4.8	2	Immature	N/A	Harvested with Quantum of Blue Line sale in winter 2022 41-022-16. There were enough tamarack saplings in the subcanopy to make this a forested stand. The tamarack is responding well to release.																																				
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Red Maple	5	Sapling	1																																								
37	330 - Low-Density Trees	Nonstocked	32.7	0	Unspecified	4319 - Mixed Upland Forest	Stand was cut as part of Garden Royale Sale #41-021-16. TCR Date 9/2/20. The stand hasn't meet regeneration criteria yet. The red maple is not 1' tall yet except for a few widely scattered taller stump sprouts. The paper birch is in the southern 1/4 of the stand where the ground is lower and is currently 3-4' tall.																																				
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38	310 - Herbaceous Openland	Nonstocked	30.9	0	Unspecified	Managed Opening	Wildlife shrubs were planted on eastern edge near adjacent red pine rows. Autumn Olive, Siberean Crab, and Washington Hawthorne. Inmates removed these shrubs in 2006. Sprouts were sprayed in 2007 and 2008. Shrubs were dragged into grass opening and stand was burned in spring 2011. Stand was cut as part of the Garden Royale Sale #41-021-16. TCR Date 9/2/2020 Wildlife Comments: *stand was cleared and planted with rye, contract, 100 soft/hard mast shrubs planted along Northern edge of stand, 2022. *stand was limed, fertilized, and planted with buckwheat/rye rotation, 2023.																																				
39	6112 - Lowland Aspen	Poletimber Well	50.6	35	51-80	N/A	Cut as part of C. G. Grade Sale. Stand is now split into three stands due to varying stand densities.																																				
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40	42110 - Planted Red Pine	Sawtimber Well	30.0	56	141-170	N/A	Sale was thinned with Cooks Grade Mix. TCR date 2011. Stand was cut as part of Garden Royale Sale #41-021-16. TCR Date 9/2/20 Unit was cut in 2017.																																				
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41	4130 - Aspen	Sapling Well	4.5	17	Immature	N/A	Cut with Cooks Grade Mix Sale. TSI work completed.																																																	
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42	310 - Herbaceous Openland	Nonstocked	15.5	0	Unspecified	Managed Opening	<p>Wildlife shrubs were planted on easter edge near adjacent red pine rows. Autumn Olive, Siberian Crab, and Washington Hawthorne. Inmates removed these shrubs in 2006. Sprouts were sprayed in 2007 and 2008. Shrubs were dragged into grass opening and stand was burned in spring 2011.</p> <p>Stand was cut as part of the Garden Royale Sale #41-021-16. TCR Date 9/2/2020</p> <p>Wildlife Comments: *stand was cleared and planted with rye, contract, 2022. *stand was limed, fertilized, and planted with bcukwheat/rye rotation, 2023.</p>																																																	
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44	4130 - Aspen	Sapling Well	10.9	7	Immature	N/A	Stand was cut in '17 as part of the Garden Royale Sale #41-021-16.																																																	
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45	4112 - Maple, Beech, Cherry Association	Sawtimber Well	12.5	90	111-140	N/A	Thinned in 1987. Also thinned in 2006 with Cooks Grade Mix sale. Residuals were 53 feet red maple, 9 feet beech, 3 feet hard maple. This stand entered into M9 class since last entry. BA is variable. The beech is in good shape yet but has beech bark disease.																																																	
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46	6112 - Lowland Aspen	Sapling Well	16.8	13	Unspecified	N/A	Stand cut with Cooks Grade Mix Sale. A portion of the stand east of the black spruce stand is upland.																																													
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47	6122 - Black Spruce	Poletimber Well	2.8	81	81-110	N/A																																														
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48	4130 - Aspen	Sapling Well	12.5	17	Immature	N/A	Stand cut with Cooks Grade Mix sale.																																													
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49	6121 - Tamarack	Sapling Poor	15.1	4	Immature	N/A	Stand was cut as part of Garden Royale Sale #41-021-16. TCR Date 9/2/20. Regeneration is doing well as there was established tamarack regeneration already in the stand. Paper birch, red maple, quaking aspen, and balsam fir is also present. This may transition to a lowland mixed stand as soon as next inventory cycle.																																													
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50	622 - Lowland Shrub	Nonstocked	25.0		Unspecified	No																																														
51	4130 - Aspen	Poletimber Well	10.5	36	1-50	N/A	Cut as Marsh Point sale.																																													
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52	310 - Herbaceous Openland	Nonstocked	9.1	0	Unspecified	Managed Opening	Stand was burned in spring 2011. Stand was cut as part of the Garden Royale Sale #41-021-16 Wildlife Comments: *stand was cleared and planted with rye, contract, 2022. *stand was limed, fertilized, and planted with buckwheat/rye rotation. 125 red oak, crabapple, hawthorne and mountain ash we're planted around perimeter on MUCC OTG day, 2023.																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
53	6122 - Black Spruce	Poletimber Well	4.3	78	111-140	N/A	Large diameter black spruce that is starting to break up from wind damage.																																																		
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54	42110 - Planted Red Pine	Sapling Well	79.9	12	Immature	N/A	Former Scotch Pine plantation. Stand was cut in summer of 2008, tops were chipped in 2010. Trenching occurred in 2011. Planting occurred in 2012.																																																		
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56	4319 - Mixed Upland Forest	Poletimber Medium	34.3	47	51-80	N/A	Former grass opening that had previous work done for opening maintenance.																																																		
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57	6121 - Tamarack	Sapling Poor	17.5	4	Immature	N/A	Stand was cut as part of Garden Royale Sale #41-021-16. TCR Date 9/2/20. There was enough tamarack regeneration to call this a stand. A few scattered mature white pine were left.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
58	4130 - Aspen	Sapling Medium	16.8	7	Immature	N/A	Stand was cut in '17 as part of the Garden Royale Sale #41-021-16. TCR Date 9/2/2020
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		85	Sapling	1	7		
Black Spruce		5	Sapling	1			
Jack Pine		5	Sapling	1			
Balsam Fir		5	Sapling	1			
59	4319 - Mixed Upland Forest	Sapling Well	10.8	17	Immature	N/A	Stand was cut in '07 with Cooks Grade Mix and TSI work completed.
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		45	Sapling	2	17		
Balsam Fir		35	Sapling	3			
Black Spruce		10	Sapling	2			
White Pine		10	Sapling	3			
60	6122 - Black Spruce	Poletimber Well	11.0	76	111-140	N/A	narrow band of spruce along transition zone from high to low ground.
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine		1	Log	16			
Northern White Cedar		3	Pole	8			
Red Maple		2	Log	10			
Paper Birch		2	Pole	8			
Black Spruce		92	Pole	8	76		
Sub-Canopy Species		Density	Avg. Height	Size			
Balsam Fir		Low	5 - 10 feet	Sapling			
Black Spruce		Medium	5 - 10 feet	Sapling			
61	6120 - Lowland Cedar	Poletimber Well	9.4	90	111-140	N/A	The center 1.5 acres of this stand is wet and very low quality.
Canopy Species		% Cover	Size Class	DBH	Age		
Northern White Cedar		100	Pole	8	90		
Sub-Canopy Species		Density	Avg. Height	Size			
Black Spruce		Low	< 5 feet	Sapling			
62	6125 - Lowland Black Spruce, Jack Pine	Sapling Well	18.4	25	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		15	Sapling/Pole	4			
Northern White Cedar		5	Pole	7			
Red Pine		10	Sapling/Pole/Log	4			
Jack Pine		30	Sapling/Pole	4	25		
Black Spruce		20	Sapling	2			
White Pine		20	Sapling/Pole/Log	4			
Sub-Canopy Species		Density	Avg. Height	Size			
Black Spruce		Medium	5 - 10 feet	Sapling			
Red Pine		Medium	5 - 10 feet	Sapling			
White Pine		Medium	5 - 10 feet	Sapling			
63	6233 - Wet Meadow	Nonstocked	2.2		Unspecified	No	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																														
64	6112 - Lowland Aspen	Poletimber Well	10.8	35	1-50	N/A																																																															
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67	42210 - Natural Red Pine	Sawtimber Poor	4.0	88	1-50	N/A	Stand was seed tree cut in '20 as part of Garden Royale Sale #41-021-16. TCR Date 9/2/20. Some of the residual red and white pine have blown over. There is a full understory developing with a descent amount of red pine regeneration. Prior to this the stand was thinned in 1998.																																																														
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68	429 - Mixed Upland Conifers	Sawtimber Well	21.5	75	81-110	N/A	Largest concentration of red pine is on the east end of the stand near the road.																																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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69 42340 - Upland Spruce/Fir Sapling Medium 7.3 16 Unspecified N/A Stand cut with Cooks Grade Mix Sale.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	20	Sapling	2	
White Pine	1	Log/Pole	12	
Hemlock	9	Log	14	
Balsam Fir	50	Sapling	2	16
Red Maple	20	Sapling	2	

70 6122 - Black Spruce Poletimber Well 9.4 60 1-50 N/A There's a 2-acre portion of this stand that is mature black spruce.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	40	Sapling/Pole	4		Black Spruce	Medium	5 - 10 feet	Sapling
Black Spruce	60	Pole/Sapling	5	60				

71 42330 - Upland Fir Sapling Well 10.2 25 Unspecified N/A Cut with Surrounded by Cedar Sale in 1999.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	60	Sapling	3	25	Balsam Fir	Medium	5 - 10 feet	Sapling
Quaking Aspen	40	Sapling	3					

72 6127 - Lowland Pine Sawtimber Poor 16.1 85 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	2	Log	14		Balsam Fir	Medium	10 - 20 feet	Sapling
White Pine	98	Log	16	85	Black Spruce	Medium	10 - 20 feet	Sapling
					White Pine	Medium	10 - 20 feet	Sapling
					Red Pine	Trace	5 - 10 feet	Sapling
					Bigtooth Aspen	High	>20 feet	Sapling
					Jack Pine	Low	>20 feet	Sapling

73 429 - Mixed Upland Conifers Sapling Poor 15.1 4 Immature N/A Stand was cut in '20 as part of Garden Royale sale 41-21-16. TCR 9/20.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Sapling	1	
White Pine	35	Sapling	1	4
Jack Pine	5	Sapling	1	
Black Spruce	15	Sapling	1	
Red Maple	4	Sapling	1	
Paper Birch	2	Sapling	1	
Quaking Aspen	25	Sapling	1	4
Red Pine	2	Sapling	1	
Tamarack	2	Sapling	1	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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74	42340 - Upland Spruce/Fir	Poletimber Well	36.3	52	51-80	N/A	The small jack pine component is dying off.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	1	Pole	9		Balsam Fir	High	5 - 10 feet	Sapling
Bigtooth Aspen	15	Pole/Log	9		Black Spruce	Medium	5 - 10 feet	Sapling
Paper Birch	1	Pole	8					
Red Pine	5	Log/Pole	14					
White Pine	3	Log	16					
Red Maple	3	Log/Pole	12					
Balsam Fir	55	Pole/Sapling	7	52				
Jack Pine	2	Pole	9					
Black Spruce	15	Pole	8					

75	6120 - Lowland Cedar	Poletimber Well	119.2	110	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	5	Log	16		Alder	Low	5 - 10 feet	Tall Shrub
Black Spruce	10	Pole	8		Black Spruce	Medium	< 5 feet	Sapling
Northern White Cedar	80	Pole	9	110				
Paper Birch	5	Pole	8					

76	42380 - Non Pine Upland Conifer, Mixed Deciduous	Sapling Well	4.4	46	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	40	Sapling/Pole	4	46
Red Maple	35	Sapling	3	
Northern White Cedar	20	Sapling/Pole	3	
Paper Birch	5	Sapling/Pole	4	

77	4136 - Aspen, Mixed Conifer	Sapling Well	19.8	28	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	10	Sapling/Pole	4		Balsam Fir	Medium	5 - 10 feet	Sapling
White Pine	5	Pole/Log	9					
Balsam Fir	5	Sapling	4					
Bigtooth Aspen	80	Sapling/Pole	4	28				

78	429 - Mixed Upland Conifers	Sapling Well	1.6	27	1-50	N/A	This was a small acre portion of Undo-Redo Sale and was cut in '97.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	10	Pole	8		Black Spruce	Medium	5 - 10 feet	Sapling
Jack Pine	10	Sapling/Pole	4		Balsam Fir	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	40	Sapling/Pole	4	27				
Balsam Fir	30	Sapling/Pole	4					
Black Spruce	10	Sapling/Pole	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
79	429 - Mixed Upland Conifers	Sapling Poor	9.6	6	Immature	N/A	Stand was harvested in winter 2018, and then scarified by DNR staff in summer 2018. Regeneration check in 2022 was successful.
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		40	Sapling	1	6		
Balsam Fir		10	Sapling	1	6		
Black Spruce		10	Sapling	1	6		
Jack Pine		40	Sapling	1	6		
80	4134 - Aspen, Spruce/Fir	Poletimber Well	25.3	36	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		10	Pole/Sapling	5			
Paper Birch		10	Sapling/Pole	4			
Bigtooth Aspen		50	Pole/Sapling	5	36		
Balsam Fir		20	Sapling/Pole	4			
Northern White Cedar		10	Pole/Sapling	7			
Sub-Canopy Species		Density	Avg. Height	Size			
Balsam Fir		High	5 - 10 feet	Sapling			
81	4134 - Aspen, Spruce/Fir	Sapling Well	6.0	7	Immature	N/A	Cut in '17 as part of Garden Royale sale 41-021-16.
Canopy Species		% Cover	Size Class	DBH	Age		
Balsam Fir		20	Sapling	1			
Jack Pine		5	Sapling	1			
Bigtooth Aspen		75	Sapling	1	7		
82	429 - Mixed Upland Conifers	Sapling Well	39.0	36	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		15	Sapling/Pole	4			
Balsam Fir		45	Sapling/Pole	4	36		
White Pine		10	Sapling/Pole	4			
Hemlock		5	Log/Pole	14			
Black Cherry		20	Sapling/Pole	4			
Paper Birch		5	Sapling	3			
Sub-Canopy Species		Density	Avg. Height	Size			
Balsam Fir		Medium	5 - 10 feet	Sapling			
83	6122 - Black Spruce	Poletimber Well	3.0	77	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Black Spruce		85	Pole	8	77		
Tamarack		5	Pole/Sapling	7			
White Pine		5	Pole/Log/XLog	8			
Red Pine		5	Pole	8			
Sub-Canopy Species		Density	Avg. Height	Size			
Black Spruce		Low	< 5 feet	Sapling			
84	330 - Low-Density Trees	Nonstocked	7.2	0	Unspecified	4199 - Other Mixed Upland Deciduous	Cut in 2022 as part of Quantum of Blue Line 41-022-16. Stand has very little regeneration at this point but should regenerate fine and needs more time.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
85	4136 - Aspen, Mixed Conifer	Poletimber Well	13.9	52	51-80	N/A																																																							
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90	42110 - Planted Red Pine	Sawtimber Well	18.6	56	141-170	N/A	Sale was thinned with Cooks Grade Mix. TCR date 2011.																																																						
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91	6112 - Lowland Aspen	Poletimber Poor	18.6	35	1-50	N/A	Cut as part of C,G grade sale. Stand was split into three stand this entry due to sparce regeneration in this area as well as die back.																																																						
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92	623 - Emergent Wetland	Nonstocked	25.9	0	Unspecified	No	This part of the larger cedar stand was flooded out.																																																						
93	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	5.2	131	81-110	N/A																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
94	6139 - Mixed Lowland Forest	Sawtimber Well	12.9	85	51-80	N/A	New stand added. There's about an acre running north/south in the west central part of the stand that is low BA with scattered balsam fir and alder. The larger balsam fir throughout the stand has died off. The paper birch is healthy.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Paper Birch		40	Log/Pole	11	85	Balsam Fir		
Bigtooth Aspen		1	Log	16		Red Maple		
Northern White Cedar		15	Pole	8		Alder		
Tamarack		1	Log/Pole	14				
Black Spruce		4	Log/Pole	10				
Red Maple		10	Log/Pole	14				
Yellow Birch		4	Log/Pole/XLog	12				
Balsam Fir		25	Pole/Sapling	7				
95	6120 - Lowland Cedar	Poletimber Well	5.8	102	111-140	N/A		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Paper Birch		20	Pole	9		Balsam Fir		
Northern White Cedar		60	Pole	9	102	Alder		
Red Maple		10	Pole/Log	9				
Balsam Fir		10	Pole	8				
96	6122 - Black Spruce	Sapling Well	9.8	50	1-50	N/A	Formally a D type. Some scattered mature spruce especially along the southern edge of the stand.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Black Spruce		80	Sapling/Pole	3	50	Alder		
Tamarack		20	Sapling/Pole	3				